

# SOCIABLE DELIVERABLE D4.4

## “SOCIABLE Database Structure and Knowledge Base”



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## Revision History

Revision	Author(s)	Organization(s)	Date	Changes
0.1	Stelios Pantelopoulos	SLG	15/09/2011	Provision of Structure and Table of Contents
0.2	Inmaculada Gomariz Soto	UPV	30/09/2011	Database schema for the Book-of-Life
0.3	Stelios Pantelopoulos, Paolo Mattarelli, Michele Fabbri, Simone Passuti	SLG, CEDAF	12/10/2011	Database Schema for the Back-office modules and the SOCIABLE infrastructure
0.5	Paolo Mattarelli	CEDAF	20/10/2011	Brief description of the main ER entities
0.6	Stelios Pantelopoulos	SLG	07/11/2011	Preparation of version for quality control
1.0	Stelios Pantelopoulos	SLG	15/11/2011	Final Version

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## **Abstract**

This deliverable illustrates the conceptual design and the implementation of the SOCIABLE database. The presentation of the relevant schemas and SQL scripts is performed on a per module basis, for the main modules of the SOCIABLE platform. The present report accompanies the prototype implementation of the SOCIABLE database and persistence layer as part of the SOCIABLE platform.

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## Executive Summary

The present report is part of deliverable D4.4, which deal with the persistence tier of the SOCIABLE platform. In particular it presents the main tables comprising the relational model of the SOCIABLE database. The later database is a crucial element of the SOCIABLE platform, given that it holds a wide range of data and metadata that are associated with the operation of the SOCIABLE ICT based model for cognitive training and social activation of elderly individuals. Such data include the records of the elderly users and patients, their scores in the scope of cognitive training games, pointers to the media files of the games, information (i.e. metadata) for the deployment and localization of the games, metadata for the management and personalization of the sessions, as well as information for the execution of the book-of-life application. Note that for the purpose of the SOCIABLE pilot service, a conventional relational database schema was judged sufficient. No other representations (e.g., XML representations, ontologies) were deemed necessary for the purposes of the platform implementation.

The SOCIABLE database can be represented by a complex conceptual schema (E-R diagram), comprising numerous entities and relationships. This schema is presented in this report in two parts: (a) One part dealing with the schema of the back-office database, which comprises all the entities relating to cognitive games, the surface shell and the management of patients and session data/information, and (b) A second part dealing with the schema of the Book-of-Life. These two parts provide a plausible segmentation of the conceptual schema. This segmentation serves the purpose of modular presentation in the scope of this deliverable.

Along with the conceptual schema, the present document includes the SQL scripts enabling the creation of the SOCIABLE schema. These scripts are included as an Appendix to this document. The gist of the SOCIABLE database schema is its actual implementation, which enables the conduction of the on-going SOCIABLE pilot operations. The implementation is included in the CD-ROM that accompanies this deliverable.

## 1. Introduction

SOCIABLE has introduced a new ICT based model for cognitive training of elderly individuals. The SOCIALE model is based on a surface computing platform, which consists of a number of software systems and applications that are provided over state-of-the-art surface computing hardware platform (such as the Microsoft Surface Table). The main goal of WP4 is to produce the software of the SOCIABLE surface computing platform, which includes:

- Shell applications that are customized to the needs of the SOCIABLE paradigm.
- A variety of cognitive training games, which correspond to the play activities that are executed during the cognitive training sessions.
- The book-of-life application, which is used by elderly individuals in order to enhance their social interactions.
- The back-office applications, which facilitate health professionals in managing the records and the sessions of the patients, while also producing relevant reports.

All the above applications persist and manage data within databases, notably relational database management systems, which form part of the SOCIABLE platform. These databases hold the data of the above application in multiple languages as illustrated in SOCIABLE deliverable D3.3 (which has provided the main localization specifications).

The purpose of this deliverable is to describe the design and implementation of the databases, where SOCIABLE data are persisted and managed. Note that a preliminary and partial database design has already been presented as part of deliverable D3.2 of the project. In this deliverable we delve into the details of the databases design and implementation, while also covering the full schemas supporting the SOCIABLE platform. The databases of the SOCIABLE platform are a critical element of the implementation, which is a prerequisite for the deployment of the platform, but also for any possible porting of the platform for use over other (alternative) surface hardware. Indeed, the schemas adopt the ANSI SQL standard, which make it usable across different SQL compliant RDBMS (Relational Database Management Systems).

From a presentation perspective, the deliverable provides a segmented presentation of the database schemas, according to the different modules comprising the SOCIABLE platform (i.e. infrastructure, cognitive games, book-of-life, back-office). The purpose of this segmented presentation is two-fold: (a) it provides a way for a modular and easier to understand presentation of the database and (b) it separates a large database schema into smaller schemas with (rather) disjoint semantics. The presentation of the various databases in this deliverable focuses on the schemas that were specified and implemented as part of the SOCIABLE project. It does not include any reference or presentation of third-party schemas (e.g., as part of the Microsoft Surface Table software) that may underpin the SOCIABLE platform and applications.

It should be noted that the SOCIABLE persistence layer does not include a knowledge base as originally envisaged. This is because during the design and specification of

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the SOCIABLE platform, there was no apparent need for leveraging the properties of a knowledge base (e.g., XML representation, inferences etc.). Note also that the present document is the reporting part of the D4.4 deliverable. The deliverable includes also the prototype implementation of the databases of the SOCIABLE platform, which is provided in the form of appropriate scripts within an accompanying CD.

The structure of the deliverable is as follows: Section 2 following this introductory section, provides the conceptual design of the SOCIABLE database. Separate ER diagrams for the parts of the database schema that correspond to these modules are illustrated. Section 3 concludes the report. Note that the ER diagrams along with the SQL statements defining the respective tables are included/presented as Appendices to this deliverable.

## 2. Conceptual Design (SLG, UPV, CEDAF)

### 2.1 ER-Model of the Back-office Database (cognitive games, shell application)

The ER-Model of the Back-Office Database is reported in Appendix 1. Likewise the comprehensive SQL Tables Definitions of Back-Office and Games are reported in Appendix 2.

Here below we provide a list of the main tables with a short description for each, towards a quick and easy reference.

#### **SOCIABLE main DB tables.**

##### ***BOPersonnel***

This table contains the personnel involved in the project: medical experts and assistant.

##### ***BORoles***

This table contains the user's roles: patient, administrator, medical expert.

##### ***BOUsers***

This table contains the system users allowed to login in Games, Back-office console and Book of Life.

##### ***BOUserRoles***

This table contains the relation between Users and Roles.

##### ***BOMenuItems***

This table contains the items of the back-office menus.

##### ***BOMenuItemsRoles***

This table contains the relation between Roles and MenuItems; each role has access to a subset of menu item.

##### ***CTCognitiveSkills***

This table contains the cognitive skills used to categorize games and patients. Examples of skills are memory, language, orientation.

##### ***CTGameCognitiveSkills***

This table contains the relation between Games and Cognitive Skills. Each game will affect mainly a cognitive skill.

##### ***CTGame***

This table contains description of all the SOCIABLE games.

##### ***CTGroups***

This table contains the groups of the training program.

##### ***CTPatientCognitiveSkills***

This table contains the relation between Patients and Cognitive Skills.



***CTPatientSessions***

This table contains the relation between Patients and Sessions.

***CTPatientTest***

This table contains the results of Patients Test execution; the table includes the scores obtained by Patients in Tests.

***CTPatientTestResults***

This table contains the Patients responses to questions of tests.

***CTPatientTrainings***

This table indicates which patients take part to programs.

***CTPeriods***

This table contains the periods of a program.

***CTPrograms***

This table contains the programs of the training; a program consists of games sessions.

***CTSessionGames***

This table shows which games are included in a game session.

***CTSessions***

This table contains games sessions planned and that has been carried out by patients.

***CTTemplates***

This table contains templates of game session; a template describes a typical game session.

***CTTests***

This table contains the assessment tests. Example of tests are "Mini Mental State Examination" and "Clock Drawing Test".

***GEDevices***

This table describes the hardware devices like Microsoft Surface or tablet PC.

***GEPatients***

This table contains data of all patients that take part in the trial; data includes name, surname and sex, years of schooling and other personal data.

***GESurfaceTag***

This table contains all available surface tag.

## ***2.2 ER-Model Book-Of-Life Database***

While user requirements are being researched and functional requirements are decided, UPV's development team has studied different communication strategies and graphic engines to be used in the project. The potential technologies that could be used for development were discussed with the rest of the partners.

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Several technical tests have been completed in pursue of a web based videoconference for several users at same time. We have reached a number of three users sharing a conference (ie. Each user sees a pair of video frames).

Our team has designed an implementation plan for the development of the social activation services.

A first draft of the database design for the social activation services has been proposed and developed, and It is available in Annual Activity Report for SOCIABLE Partner, 01/05/2009 – 31/07/2010 .

Each patient, stored in **GEPatients**, can have one individual book and several group books, these relationships are shown through **SABooksOfLife**.

**SABookOfLifePatients** table links each Book Of life with each patient.

The Book of Life has several pages. The information is stored in **SAPagesOfBook**. Each page can be seen for all patients, my friends or anyone. The information is managed through **SA Visibility** and **SAPagesOfBook**.

Book of life allows the patient to make friends, and the information that is used is in the next tables:

- **GE Cities**
- **SA Patient Hobbies-SA Hobbies**

**SAHobbies** stores different types of hobbies. **SAPatienHobbies** allows the relationship between Hobbies and Patients.

Following is shown the last entity-relationship diagram (E-R) in which are represented the tables specially needed for the Book Of life and relationships.

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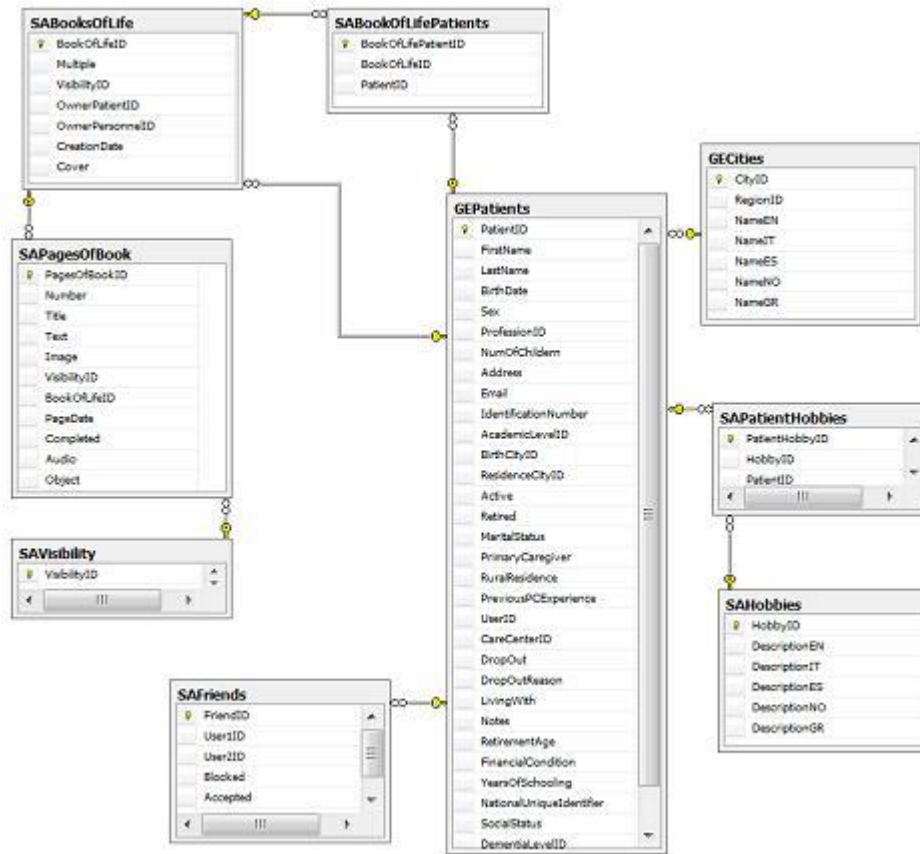


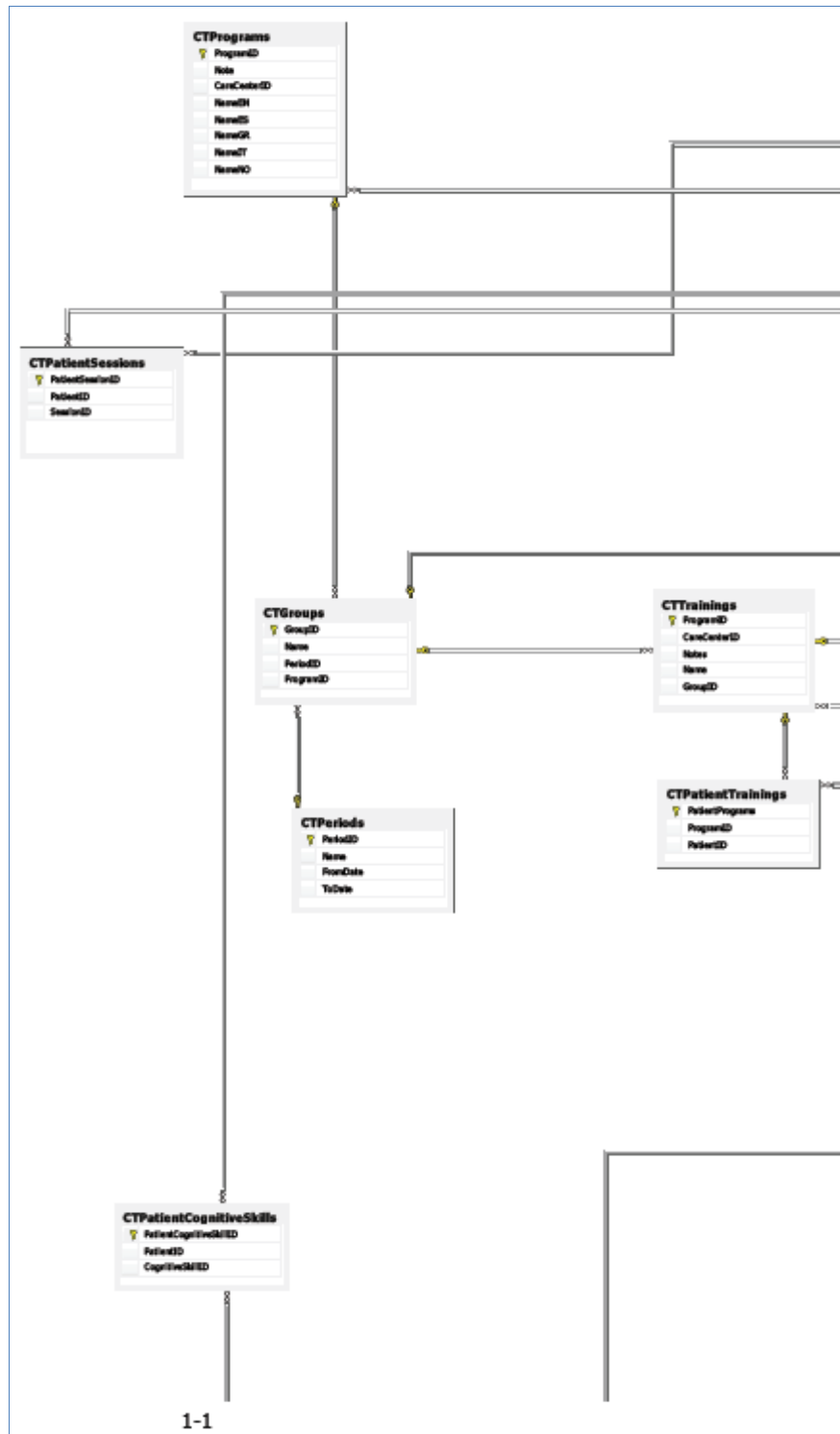
Figure 1: ER-Diagram (conceptual schema) used in the scope of the Book-of-Life application

### **3. Conclusions**

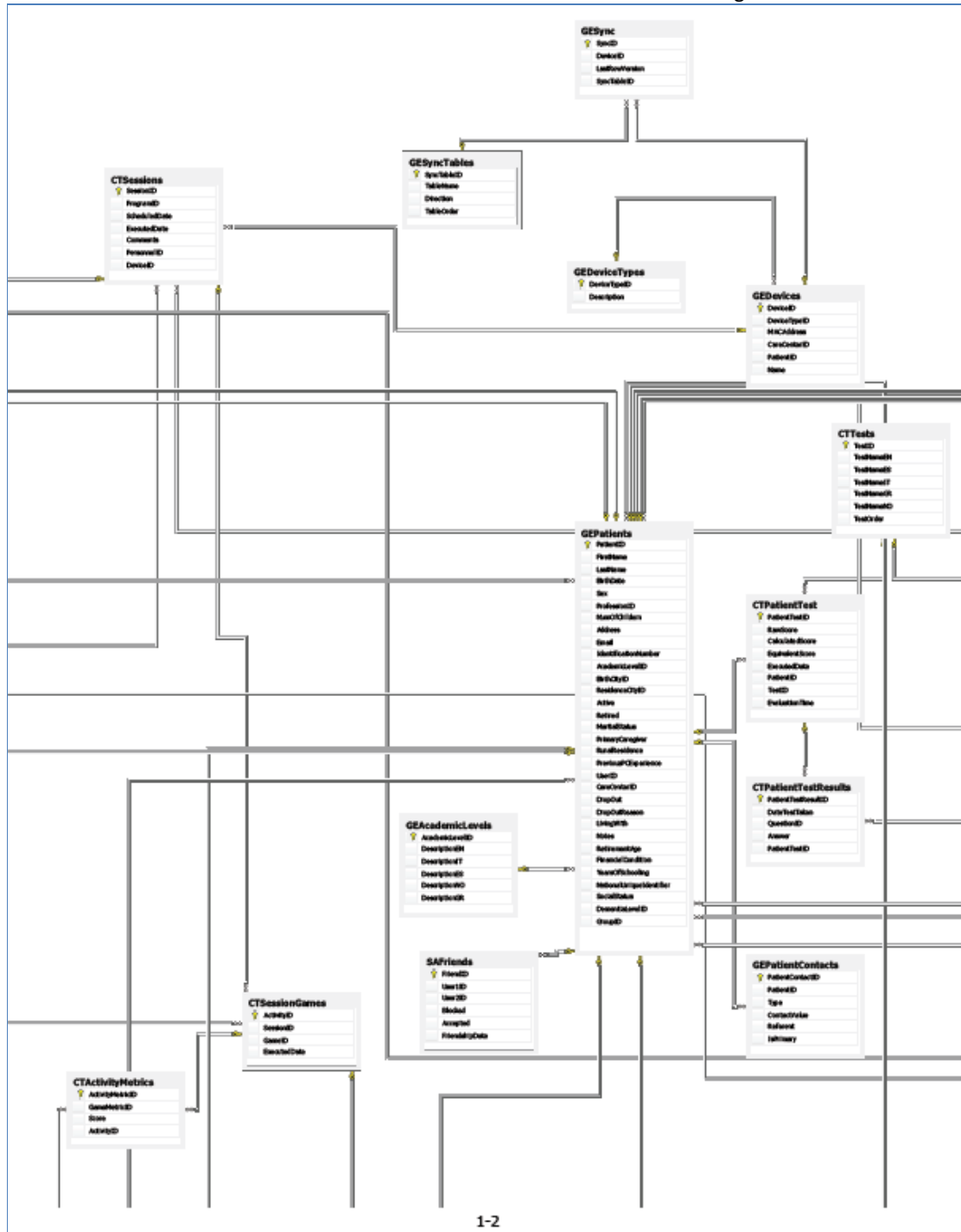
This deliverable has presented the conceptual design of the SOCIABLE database. This included the main entities of the SOCIABLE database, which holds and manages the full range of data and metadata that support the SOCIABLE pilot operations. The Appendices at the end of this deliverable provide also the SQL scripts that enable the creation of the table of the relational database, which state-of-the-art RDBMS systems.

## Appendix 1 - ER model Back-office Database

The ER model of the Back-office database is presented in the following figures. Since the global schema is too wide to be inserted in a single figure, it has been divided in 6 parts.



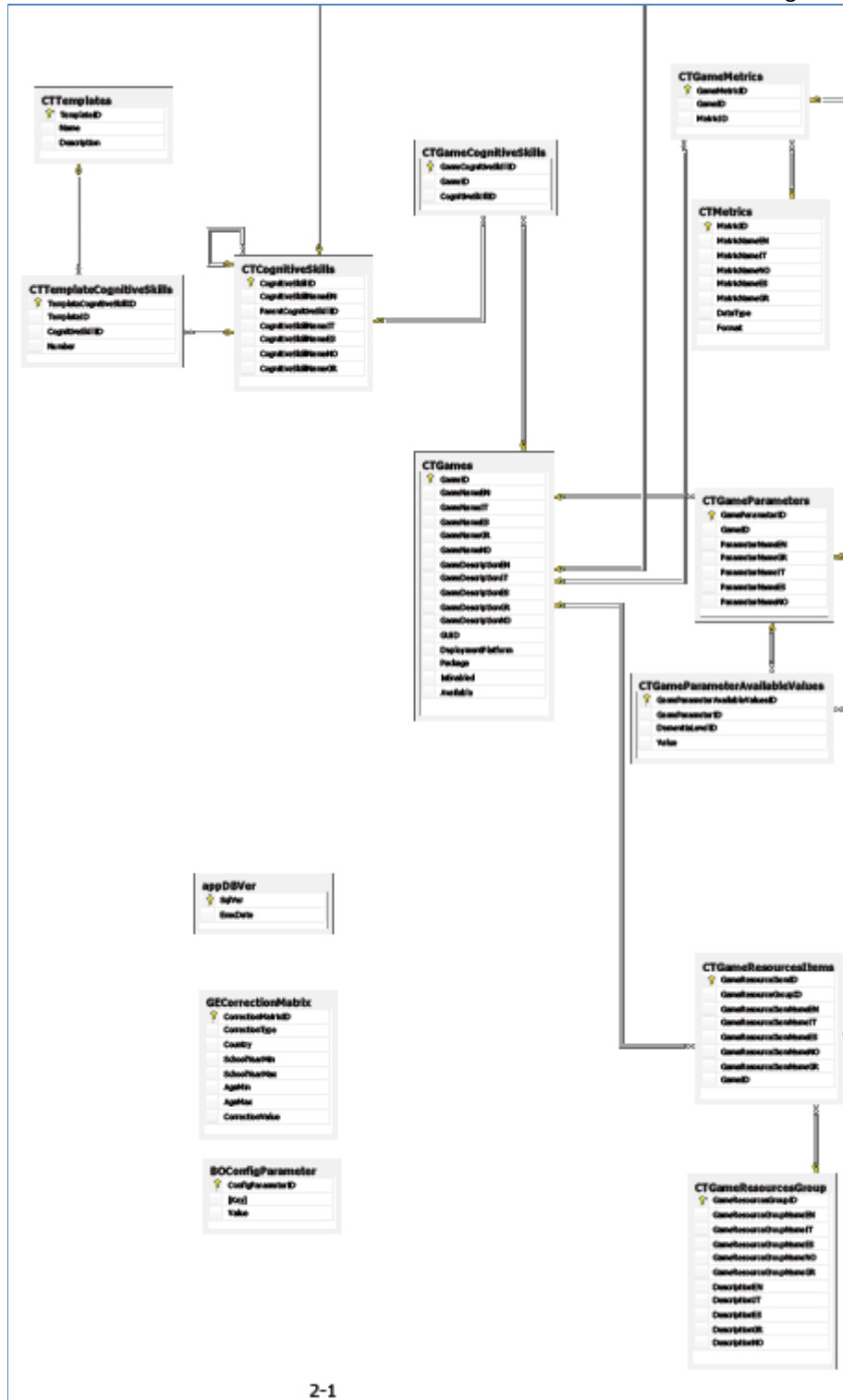
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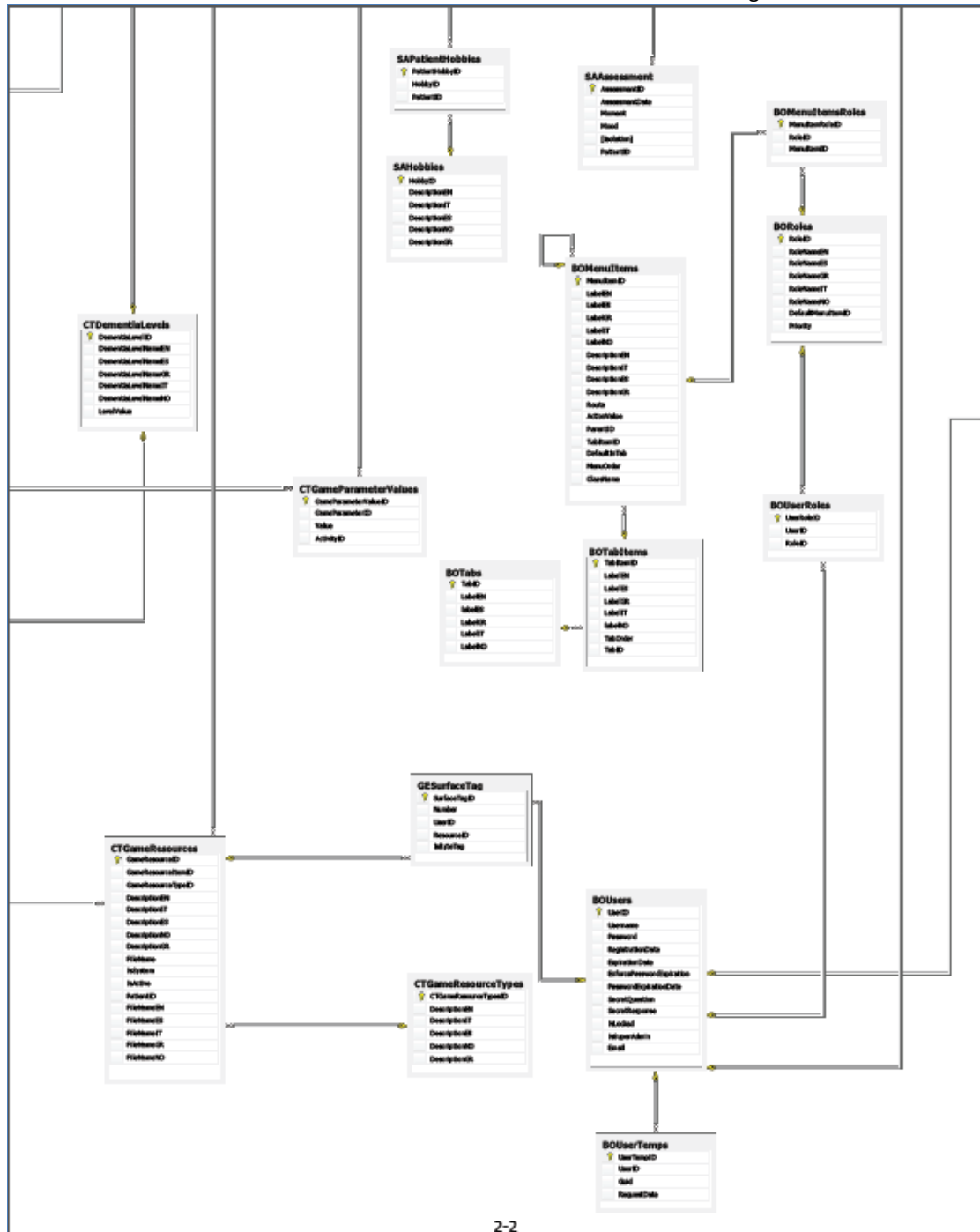


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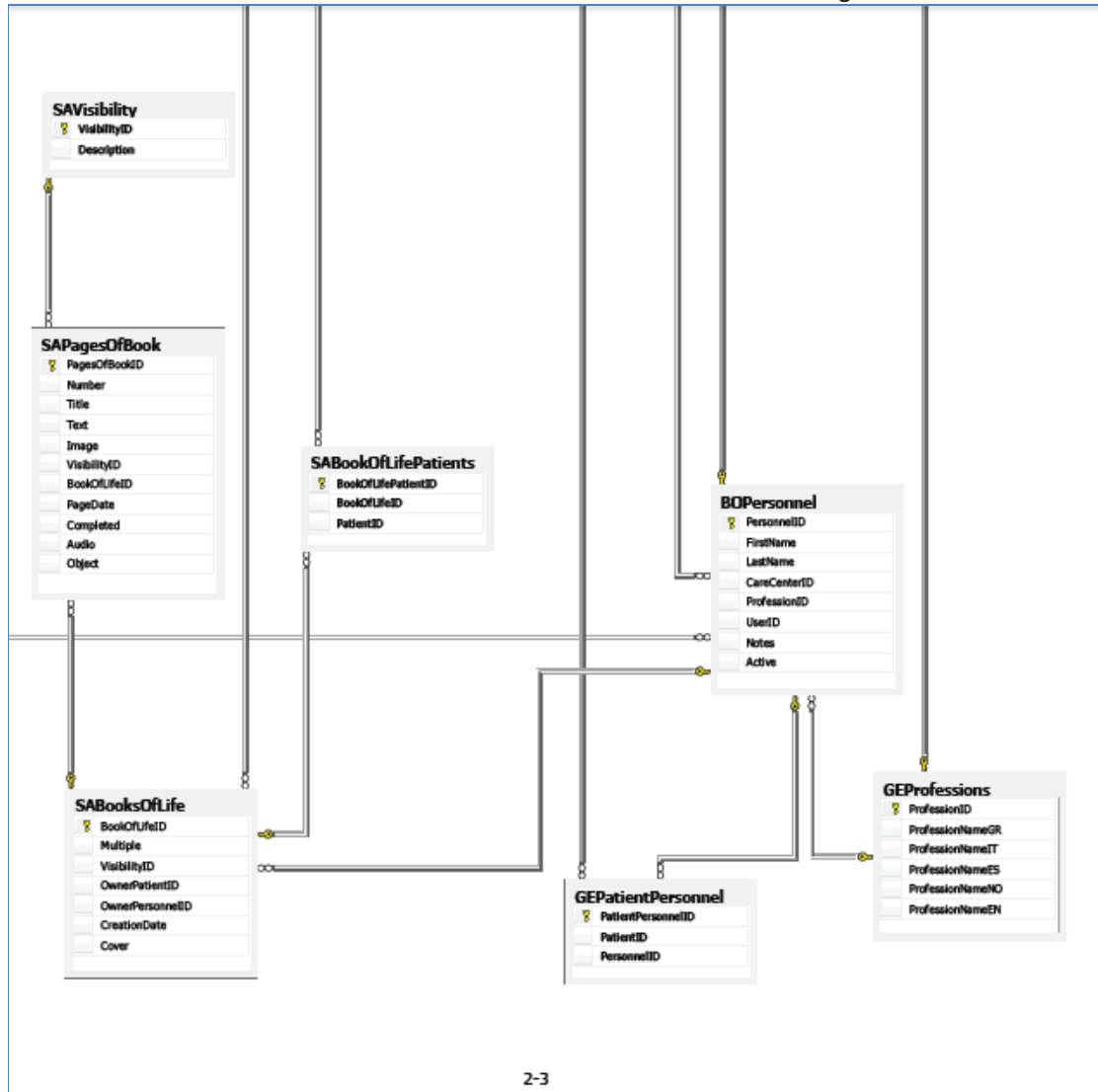




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## Appendix 2: SQL Tables Definitions of the Back-Office

```
GO
/***** Object: Table [dbo].[GEDeviceTypes]  Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[GEDeviceTypes](
    [DeviceTypeID] [int] IDENTITY(1,1) NOT NULL,
    [Description] [nvarchar](50) NULL,
    CONSTRAINT [PK_GEDeviceTypes] PRIMARY KEY CLUSTERED
(
    [DeviceTypeID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
/***** Object: Table [dbo].[GEAcademicLevels]  Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[GEAcademicLevels](
    [AcademicLevelID] [int] IDENTITY(1,1) NOT NULL,
    [DescriptionEN] [nvarchar](200) NULL,
    [DescriptionIT] [nvarchar](200) NULL,
    [DescriptionES] [nvarchar](200) NULL,
    [DescriptionNO] [nvarchar](200) NULL,
    [DescriptionGR] [nvarchar](200) NULL,
    CONSTRAINT [PK_GEAcademicLevels] PRIMARY KEY CLUSTERED
(
    [AcademicLevelID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
/***** Object: Table [dbo].[GECountries]  Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[GECountries](
    [CountryID] [int] IDENTITY(1,1) NOT NULL,
    [CountryNameEN] [nvarchar](50) NULL,
    [CountryLanguageEN] [nvarchar](50) NULL,
    [CountrySuffix] [nchar](2) NULL,
    [CountryLanguageIT] [nvarchar](50) NULL,
    [CountryLanguageES] [nvarchar](50) NULL,
    [CountryLanguageNO] [nvarchar](50) NULL,
    [CountryLanguageGR] [nvarchar](50) NULL,
    [CountryNameIT] [nvarchar](50) NULL,
    [CountryNameES] [nvarchar](50) NULL,
    [CountryNameNO] [nvarchar](50) NULL,
    [CountryNameGR] [nvarchar](50) NULL,
    CONSTRAINT [PK_Countries] PRIMARY KEY CLUSTERED
(
    [CountryID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
/***** Object: Table [dbo].[GECorrectionMatrix]  Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
SET ANSI_PADDING ON
GO
```

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```

CREATE TABLE [dbo].[GECorrectionMatrix](
    [CorrectionMatrixID] [int] IDENTITY(1,1) NOT NULL,
    [CorrectionType] [varchar](10) NOT NULL,
    [Country] [nchar](2) NULL,
    [SchoolYearMin] [int] NOT NULL,
    [SchoolYearMax] [int] NULL,
    [AgeMin] [int] NOT NULL,
    [AgeMax] [int] NULL,
    [CorrectionValue] [decimal](5, 2) NOT NULL,
    CONSTRAINT [PK_GECorrectionMatrix] PRIMARY KEY CLUSTERED
(
    [CorrectionMatrixID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
SET ANSI_PADDING OFF
GO
/***** Object: Table [dbo].[CTTests]  Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[CTTests](
    [TestID] [int] IDENTITY(1,1) NOT NULL,
    [TestNameEN] [nvarchar](255) NULL,
    [TestNameES] [nvarchar](255) NULL,
    [TestNameIT] [nvarchar](255) NULL,
    [TestNameGR] [nvarchar](255) NULL,
    [TestNameNO] [nvarchar](255) NULL,
    [TestOrder] [numeric](5, 0) NULL,
    CONSTRAINT [PK_GETests] PRIMARY KEY CLUSTERED
(
    [TestID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
/***** Object: Table [dbo].[CTTemplates]  Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[CTTemplates](
    [TemplateID] [int] IDENTITY(1,1) NOT NULL,
    [Name] [nvarchar](30) NULL,
    [Description] [nvarchar](100) NULL,
    CONSTRAINT [PK_CTTemplates] PRIMARY KEY CLUSTERED
(
    [TemplateID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
/***** Object: Table [dbo].[GEProfessions]  Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[GEProfessions](
    [ProfessionID] [int] IDENTITY(1,1) NOT NULL,
    [ProfessionNameGR] [nvarchar](50) NULL,
    [ProfessionNameIT] [nvarchar](50) NULL,
    [ProfessionNameES] [nvarchar](50) NULL,
    [ProfessionNameNO] [nvarchar](50) NULL,
    [ProfessionNameEN] [nvarchar](50) NULL,
    CONSTRAINT [PK_Professions] PRIMARY KEY CLUSTERED
(
    [ProfessionID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]

```

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```
) ON [PRIMARY]
GO
/***** Object: Table [dbo].[scope_info]  Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
SET ANSI_PADDING ON
GO
CREATE TABLE [dbo].[scope_info](
    [scope_local_id] [int] IDENTITY(1,1) NOT NULL,
    [scope_id] [uniqueidentifier] NOT NULL,
    [sync_scope_name] [nvarchar](100) NOT NULL,
    [scope_sync_knowledge] [varbinary](max) NULL,
    [scope_tombstone_cleanup_knowledge] [varbinary](max) NULL,
    [scope_timestamp] [timestamp] NULL,
    [scope_config_id] [uniqueidentifier] NULL,
    [scope_restore_count] [int] NOT NULL,
    [scope_user_comment] [nvarchar](max) NULL,
    CONSTRAINT [PK_scope_info] PRIMARY KEY CLUSTERED
(
    [sync_scope_name] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
SET ANSI_PADDING OFF
GO
/***** Object: Table [dbo].[scope_config]  Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
SET ANSI_PADDING ON
GO
CREATE TABLE [dbo].[scope_config](
    [config_id] [uniqueidentifier] NOT NULL,
    [config_data] [xml] NOT NULL,
    [scope_status] [char](1) NULL,
    CONSTRAINT [PK_scope_config] PRIMARY KEY CLUSTERED
(
    [config_id] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
SET ANSI_PADDING OFF
GO
/***** Object: Table [dbo].[schema_info]  Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[schema_info](
    [schema_major_version] [int] NOT NULL,
    [schema_minor_version] [int] NOT NULL,
    [schema_extended_info] [nvarchar](100) NOT NULL,
    CONSTRAINT [PK_schema_info] PRIMARY KEY CLUSTERED
(
    [schema_major_version] ASC,
    [schema_minor_version] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
/***** Object: Table [dbo].[SAVisibility]  Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[SAVisibility](
```

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```
[VisibilityID] [int] IDENTITY(1,1) NOT NULL,  
[Description] [nvarchar](200) NULL,  
CONSTRAINT [VisibilityID] PRIMARY KEY CLUSTERED  
(  
    [VisibilityID] ASC  
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,  
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]  
) ON [PRIMARY]  
GO  
/***** Object: Table [dbo].[SAHobbies]  Script Date: 10/17/2011 12:50:57 *****/  
SET ANSI_NULLS ON  
GO  
SET QUOTED_IDENTIFIER ON  
GO  
CREATE TABLE [dbo].[SAHobbies](  
    [HobbyID] [int] IDENTITY(1,1) NOT NULL,  
    [DescriptionEN] [nvarchar](100) NULL,  
    [DescriptionIT] [nvarchar](100) NULL,  
    [DescriptionES] [nvarchar](100) NULL,  
    [DescriptionNO] [nvarchar](100) NULL,  
    [DescriptionGR] [nvarchar](100) NULL,  
    CONSTRAINT [HobbyID] PRIMARY KEY CLUSTERED  
(  
    [HobbyID] ASC  
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,  
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]  
) ON [PRIMARY]  
GO  
/***** Object: Table [dbo].[GESyncTables]  Script Date: 10/17/2011 12:50:57 *****/  
SET ANSI_NULLS ON  
GO  
SET QUOTED_IDENTIFIER ON  
GO  
SET ANSI_PADDING ON  
GO  
CREATE TABLE [dbo].[GESyncTables](  
    [SyncTableID] [int] IDENTITY(1,1) NOT NULL,  
    [TableName] [varchar](100) NOT NULL,  
    [Direction] [int] NULL,  
    [TableOrder] [int] NULL,  
    CONSTRAINT [PK_] PRIMARY KEY CLUSTERED  
(  
    [SyncTableID] ASC  
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,  
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]  
) ON [PRIMARY]  
GO  
SET ANSI_PADDING OFF  
GO  
/***** Object: Table [dbo].[Product]  Script Date: 10/17/2011 12:50:57 *****/  
SET ANSI_NULLS ON  
GO  
SET QUOTED_IDENTIFIER ON  
GO  
SET ANSI_PADDING ON  
GO  
CREATE TABLE [dbo].[Product](  
    [Cust] [varchar](25) NULL,  
    [Product] [varchar](20) NULL,  
    [QTY] [int] NULL  
) ON [PRIMARY]  
GO  
SET ANSI_PADDING OFF  
GO  
/***** Object: Table [dbo].[BORoles]  Script Date: 10/17/2011 12:50:57 *****/  
SET ANSI_NULLS ON  
GO  
SET QUOTED_IDENTIFIER ON  
GO  
CREATE TABLE [dbo].[BORoles](  
    [RoleID] [int] IDENTITY(1,1) NOT NULL,
```

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```
[RoleNameEN] [nvarchar](50) NULL,
[RoleNameES] [nvarchar](50) NULL,
[RoleNameGR] [nvarchar](50) NULL,
[RoleNameIT] [nvarchar](50) NULL,
[RoleNameNO] [nvarchar](50) NULL,
[DefaultMenuItemID] [int] NOT NULL,
[Priority] [int] NOT NULL,
CONSTRAINT [PK_BORoles] PRIMARY KEY CLUSTERED
(
    [RoleID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
/***** Object: Table [dbo].[BOConfigParameter]  Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[BOConfigParameter](
    [ConfigParameterID] [int] IDENTITY(1,1) NOT NULL,
    [Key] [nvarchar](50) NULL,
    [Value] [nvarchar](255) NOT NULL,
CONSTRAINT [PK_BOConfigParameter] PRIMARY KEY CLUSTERED
(
    [ConfigParameterID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
/***** Object: Table [dbo].[appDBVer]  Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
SET ANSI_PADDING ON
GO
CREATE TABLE [dbo].[appDBVer](
    [SqlVer] [varchar](50) NOT NULL,
    [ExecDate] [datetime] NULL,
CONSTRAINT [PK_appDBVer] PRIMARY KEY CLUSTERED
(
    [SqlVer] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
SET ANSI_PADDING OFF
GO
/***** Object: Table [dbo].[BOTabs]  Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[BOTabs](
    [TabID] [int] IDENTITY(1,1) NOT NULL,
    [LabelEN] [nvarchar](50) NULL,
    [LabelES] [nvarchar](50) NULL,
    [LabelGR] [nvarchar](50) NULL,
    [LabelIT] [nvarchar](50) NULL,
    [LabelNO] [nvarchar](50) NULL,
CONSTRAINT [PK_BOTab] PRIMARY KEY CLUSTERED
(
    [TabID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
/***** Object: Table [dbo].[CTDementiaLevels]  Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
```

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```
SET QUOTED_IDENTIFIER ON
GO
SET ANSI_PADDING ON
GO
CREATE TABLE [dbo].[CTDementiaLevels](
    [DementiaLevelID] [int] IDENTITY(1,1) NOT NULL,
    [DementiaLevelNameEN] [varchar](100) NULL,
    [DementiaLevelNameES] [varchar](100) NULL,
    [DementiaLevelNameGR] [varchar](100) NULL,
    [DementiaLevelNameIT] [varchar](100) NULL,
    [DementiaLevelNameNO] [varchar](100) NULL,
    [LevelValue] [int] NOT NULL,
CONSTRAINT [PK_DementiaLevelID] PRIMARY KEY CLUSTERED
(
    [DementiaLevelID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
SET ANSI_PADDING OFF
GO
/***** Object: Table [dbo].[CTCognitiveSkills]  Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[CTCognitiveSkills](
    [CognitiveSkillID] [int] IDENTITY(1,1) NOT NULL,
    [CognitiveSkillNameEN] [nvarchar](50) NULL,
    [ParentCognitiveSkillID] [int] NULL,
    [CognitiveSkillNameIT] [nvarchar](50) NULL,
    [CognitiveSkillNameES] [nvarchar](50) NULL,
    [CognitiveSkillNameNO] [nvarchar](50) NULL,
    [CognitiveSkillNameGR] [nvarchar](50) NULL,
CONSTRAINT [PK_CognitiveSkills] PRIMARY KEY CLUSTERED
(
    [CognitiveSkillID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
/***** Object: Table [dbo].[BOUsers]  Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[BOUsers](
    [UserID] [int] IDENTITY(1,1) NOT NULL,
    [Username] [nvarchar](20) NULL,
    [Password] [nvarchar](20) NULL,
    [RegistrationDate] [datetime] NULL,
    [ExpirationDate] [datetime] NULL,
    [EnforcePasswordExpiration] [bit] NULL,
    [PasswordExpirationDate] [datetime] NULL,
    [SecretQuestion] [nvarchar](150) NULL,
    [SecretResponse] [nvarchar](150) NULL,
    [IsLocked] [bit] NULL,
    [IsSuperAdmin] [bit] NULL,
    [Email] [nvarchar](200) NULL,
CONSTRAINT [PK_BOUsers] PRIMARY KEY CLUSTERED
(
    [UserID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
/***** Object: Table [dbo].[CTGames]  Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
```



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```

SET ANSI_PADDING ON
GO
CREATE TABLE [dbo].[CTGames](
    [GameID] [int] IDENTITY(1,1) NOT NULL,
    [GameNameEN] [nvarchar](100) NULL,
    [GameNameIT] [nvarchar](100) NULL,
    [GameNameES] [nvarchar](100) NULL,
    [GameNameGR] [nvarchar](100) NULL,
    [GameNameNO] [nvarchar](100) NULL,
    [GameDescriptionEN] [nvarchar](512) NULL,
    [GameDescriptionIT] [nvarchar](512) NULL,
    [GameDescriptionES] [nvarchar](512) NULL,
    [GameDescriptionGR] [nvarchar](512) NULL,
    [GameDescriptionNO] [nvarchar](512) NULL,
    [GUID] [nvarchar](50) NULL,
    [DeploymentPlatform] [nvarchar](20) NULL,
    [Package] [varbinary](max) NULL,
    [IsEnabled] [bit] NULL,
    [Available] [bit] NULL,
CONSTRAINT [PK_Games] PRIMARY KEY CLUSTERED
(
    [GameID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
SET ANSI_PADDING OFF
GO
/***** Object: Table [dbo].[CTGameResourceTypes]  Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[CTGameResourceTypes](
    [CTGameResourceTypesID] [int] IDENTITY(1,1) NOT NULL,
    [DescriptionEN] [nvarchar](15) NULL,
    [DescriptionIT] [nvarchar](15) NULL,
    [DescriptionES] [nvarchar](15) NULL,
    [DescriptionNO] [nvarchar](15) NULL,
    [DescriptionGR] [nvarchar](15) NULL,
CONSTRAINT [PK_CTGameResourceTypes] PRIMARY KEY CLUSTERED
(
    [CTGameResourceTypesID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
/***** Object: Table [dbo].[CTGameResourcesGroup]  Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[CTGameResourcesGroup](
    [GameResourcesGroupID] [int] IDENTITY(1,1) NOT NULL,
    [GameResourceGroupNameEN] [nvarchar](50) NULL,
    [GameResourceGroupNameIT] [nvarchar](50) NULL,
    [GameResourceGroupNameES] [nvarchar](50) NULL,
    [GameResourceGroupNameNO] [nvarchar](50) NULL,
    [GameResourceGroupNameGR] [nvarchar](50) NULL,
    [DescriptionEN] [nvarchar](200) NULL,
    [DescriptionIT] [nvarchar](200) NULL,
    [DescriptionES] [nvarchar](200) NULL,
    [DescriptionGR] [nvarchar](200) NULL,
    [DescriptionNO] [nvarchar](200) NULL,
CONSTRAINT [PK_CTGameResourcesGroup] PRIMARY KEY CLUSTERED
(
    [GameResourcesGroupID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO

```

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```
/****** Object: Table [dbo].[CTMetrics] Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[CTMetrics](
    [MetricID] [int] IDENTITY(1,1) NOT NULL,
    [MetricNameEN] [nvarchar](50) NULL,
    [MetricNameIT] [nvarchar](50) NULL,
    [MetricNameNO] [nvarchar](50) NULL,
    [MetricNameES] [nvarchar](50) NULL,
    [MetricNameGR] [nvarchar](50) NULL,
    [DataType] [nvarchar](255) NOT NULL,
    [Format] [nvarchar](20) NOT NULL,
    CONSTRAINT [PK_Table_1] PRIMARY KEY CLUSTERED
(
    [MetricID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
/****** Object: Table [dbo].[CTPeriods] Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[CTPeriods](
    [PeriodID] [int] IDENTITY(1,1) NOT NULL,
    [Name] [nvarchar](100) NULL,
    [FromDate] [datetime] NOT NULL,
    [ToDate] [datetime] NOT NULL,
    CONSTRAINT [PK_CTPeriods] PRIMARY KEY CLUSTERED
(
    [PeriodID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
/****** Object: Table [dbo].[_bk_ct_games] Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
SET ANSI_PADDING ON
GO
CREATE TABLE [dbo].[_bk_ct_games](
    [GameID] [int] IDENTITY(1,1) NOT NULL,
    [GameNameEN] [nvarchar](100) NULL,
    [GameNameIT] [nvarchar](100) NULL,
    [GameNameES] [nvarchar](100) NULL,
    [GameNameGR] [nvarchar](100) NULL,
    [GameNameNO] [nvarchar](100) NULL,
    [GameDescriptionEN] [nvarchar](512) NULL,
    [GameDescriptionIT] [nvarchar](512) NULL,
    [GameDescriptionES] [nvarchar](512) NULL,
    [GameDescriptionGR] [nvarchar](512) NULL,
    [GameDescriptionNO] [nvarchar](512) NULL,
    [GUID] [nvarchar](50) NULL,
    [DeploymentPlatform] [nvarchar](20) NULL,
    [Package] [varbinary](max) NULL,
    [IsEnabled] [bit] NULL,
    [Available] [bit] NULL
) ON [PRIMARY]
GO
SET ANSI_PADDING OFF
GO
/****** Object: Table [dbo].[BOUserTemps] Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
```

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```

CREATE TABLE [dbo].[BOUserTemps](
    [UserTempID] [int] IDENTITY(1,1) NOT NULL,
    [UserID] [int] NOT NULL,
    [Guid] [nvarchar](300) NULL,
    [RequestDate] [datetime] NULL,
    CONSTRAINT [PK_UserTemps] PRIMARY KEY CLUSTERED
(
    [UserTempID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
/***** Object: Table [dbo].[CTGameResourcesItems]  Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[CTGameResourcesItems](
    [GameResourceItemID] [int] IDENTITY(1,1) NOT NULL,
    [GameResourceGroupID] [int] NULL,
    [GameResourceItemNameEN] [nvarchar](50) NULL,
    [GameResourceItemNameIT] [nvarchar](50) NULL,
    [GameResourceItemNameES] [nvarchar](50) NULL,
    [GameResourceItemNameNO] [nvarchar](50) NULL,
    [GameResourceItemNameGR] [nvarchar](50) NULL,
    [GameID] [int] NULL,
    CONSTRAINT [PK_CTGameResourcesGroups] PRIMARY KEY CLUSTERED
(
    [GameResourceItemID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
/***** Object: Table [dbo].[CTGameMetrics]  Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[CTGameMetrics](
    [GameMetricID] [int] IDENTITY(1,1) NOT NULL,
    [GameID] [int] NULL,
    [MetricID] [int] NULL,
    CONSTRAINT [PK_GameMetrics] PRIMARY KEY CLUSTERED
(
    [GameMetricID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
/***** Object: Table [dbo].[CTGameCognitiveSkills]  Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[CTGameCognitiveSkills](
    [GameCognitiveSkillID] [int] IDENTITY(1,1) NOT NULL,
    [GameID] [int] NULL,
    [CognitiveSkillID] [int] NULL,
    CONSTRAINT [PK_GameCognitiveSkills] PRIMARY KEY CLUSTERED
(
    [GameCognitiveSkillID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
/***** Object: Table [dbo].[CTGameParameters]  Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[CTGameParameters](

```

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```

[GameParameterID] [int] IDENTITY(1,1) NOT NULL,
[GameID] [int] NULL,
[ParameterNameEN] [nvarchar](50) NULL,
[ParameterNameGR] [nvarchar](50) NULL,
[ParameterNameIT] [nvarchar](50) NULL,
[ParameterNameES] [nvarchar](50) NULL,
[ParameterNameNO] [nvarchar](50) NULL,
CONSTRAINT [PK_GameParameters] PRIMARY KEY CLUSTERED
(
    [GameParameterID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
/***** Object: Table [dbo].[BOUserRoles]  Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[BOUserRoles](
    [UserRoleID] [int] IDENTITY(1,1) NOT NULL,
    [UserID] [int] NOT NULL,
    [RoleID] [int] NOT NULL,
CONSTRAINT [PK_UserRoleID] PRIMARY KEY CLUSTERED
(
    [UserRoleID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
/***** Object: Table [dbo].[BOTabItems]  Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[BOTabItems](
    [TabItemID] [int] IDENTITY(1,1) NOT NULL,
    [LabelEN] [nvarchar](50) NULL,
    [LabelES] [nvarchar](50) NULL,
    [LabelGR] [nvarchar](50) NULL,
    [LabelIT] [nvarchar](50) NULL,
    [LabelNO] [nvarchar](50) NULL,
    [TabOrder] [int] NULL,
    [TabID] [int] NULL,
CONSTRAINT [PK_BOTabItems] PRIMARY KEY CLUSTERED
(
    [TabItemID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
/***** Object: Table [dbo].[admLogs]  Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[admLogs](
    [LogID] [int] IDENTITY(1,1) NOT NULL,
    [LogTime] [datetime] NOT NULL,
    [Url] [nvarchar](200) NULL,
    [Message] [nvarchar](4000) NULL,
    [UserID] [int] NULL,
    [MachineName] [nvarchar](50) NULL,
    [Severity] [tinyint] NOT NULL,
CONSTRAINT [PK__admLogs__119F9925] PRIMARY KEY CLUSTERED
(
    [LogID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO

```

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```

/***** Object: StoredProcedure [dbo].[pivot1]  Script Date: 10/17/2011 12:51:00 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
-- =====
-- Author:          <Author,,Name>
-- Create date:    <Create Date,,>
-- Description:    <Description,,>
-- =====
CREATE PROCEDURE [dbo].[pivot1]
    -- Add the parameters for the stored procedure here
AS
BEGIN
    -- SET NOCOUNT ON added to prevent extra result sets from
    -- interfering with SELECT statements.
    SET NOCOUNT ON;

    -- Insert statements for procedure here
    declare @pvhead varchar(max)
    select @pvhead = coalesce(@pvhead + '[' + TestNameEN + ']', '[' + TestNameEN + ']') from CTTests

    declare @pvttable nvarchar(max)
    set @pvttable = N'
    select *
    from
    (
    select pa.IdentificationNumber id, d.DementiaLevelNameEN Pathology, pe.Name Period, g.Name [Group],
        null [T01, T1, T2], pa.FirstName + char(32) + pa.LastName name,
        CASE
            WHEN DATEPART(day, pa.BirthDate) > DATEPART(day, GETDATE()) THEN DATEDIFF(month, pa.BirthDate , GETDATE()) - 1
            ELSE DATEDIFF(month, pa.BirthDate , GETDATE())
        END / 12 Age,
        pa.YearsOfSchooling Education,
        t.TestNameEN tname, pt.RawScore score
    from GEPatients pa, CTDementiaLevels d, CTGroups g, CTPeriods pe, CTPatientTest pt, CTTests t
    where pa.DementiaLevelID = d.DementiaLevelID
    and pa.GroupID = g.GroupID
    and g.PeriodID = pe.PeriodID
    and pa.PatientID = pt.PatientID
    and t.TestID = pt.TestID

    ) as sourcetable
    pivot
    (
    avg(score)
    for tname in (' + @pvhead + ' )
    ) as pivortable
    '

    execute(@pvttable)

END
GO
/***** Object: Table [dbo].[GERegions]  Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[GERegions](
    [RegionID] [int] IDENTITY(1,1) NOT NULL,
    [CountryID] [int] NULL,
    [NameEN] [nvarchar](200) NULL,
    [NameIT] [nvarchar](200) NULL,
    [NameES] [nvarchar](200) NULL,
    [NameNO] [nvarchar](200) NULL,
    [NameGR] [nvarchar](200) NULL,
    CONSTRAINT [RegionID] PRIMARY KEY CLUSTERED
(
    [RegionID] ASC
  
```

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```
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
/***** Object: Table [dbo].[CTTemplateCognitiveSkills]  Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[CTTemplateCognitiveSkills](
    [TemplateCognitiveSkillID] [int] IDENTITY(1,1) NOT NULL,
    [TemplateID] [int] NULL,
    [CognitiveSkillID] [int] NULL,
    [Number] [int] NULL,
CONSTRAINT [PK_CTTemplateCognitiveSkills] PRIMARY KEY CLUSTERED
(
    [TemplateCognitiveSkillID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
/***** Object: Table [dbo].[CTTestQuestions]  Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[CTTestQuestions](
    [QuestionID] [int] IDENTITY(1,1) NOT NULL,
    [QuestionTextEN] [nvarchar](300) NULL,
    [QuestionTextES] [nvarchar](300) NULL,
    [QuestionTextGR] [nvarchar](300) NULL,
    [QuestionTextIT] [nvarchar](300) NULL,
    [QuestionTextNO] [nvarchar](300) NULL,
    [TestID] [int] NULL,
    [QuestionNumber] [int] NULL,
    [Min] [int] NULL,
    [Max] [int] NULL,
CONSTRAINT [PK_CTTestQuestions] PRIMARY KEY CLUSTERED
(
    [QuestionID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
/***** Object: View [dbo].[vwGamesByCognitiveSkill]  Script Date: 10/17/2011 12:50:58 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE VIEW [dbo].[vwGamesByCognitiveSkill]
AS
SELECT  dbo.CTGames.GameNameEN, dbo.CTGames.GameID, dbo.CTGames.GameNameIT, dbo.CTGames.GameNameGR,
        dbo.CTGames.GameNameES,
        dbo.CTGames.GameNameNO, dbo.CTCognitiveSkills.CognitiveSkillID, dbo.CTCognitiveSkills.CognitiveSkillNameEN,
        dbo.CTCognitiveSkills.CognitiveSkillNameIT,
        dbo.CTCognitiveSkills.CognitiveSkillNameES, dbo.CTCognitiveSkills.CognitiveSkillNameNO,
        dbo.CTCognitiveSkills.CognitiveSkillNameGR,
        dbo.CTGameParameters.GameParameterID
FROM    dbo.CTGames INNER JOIN
        dbo.CTGameCognitiveSkills ON dbo.CTGames.GameID = dbo.CTGameCognitiveSkills.GameID INNER JOIN
        dbo.CTCognitiveSkills ON dbo.CTGameCognitiveSkills.CognitiveSkillID = dbo.CTCognitiveSkills.CognitiveSkillID INNER
JOIN
        dbo.CTGameParameters ON dbo.CTGames.GameID = dbo.CTGameParameters.GameID
WHERE   (dbo.CTGames.Available = 1)
GO
/***** Object: Table [dbo].[GECities]  Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[GECities](
```

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```
[CityID] [int] IDENTITY(1,1) NOT NULL,  
[RegionID] [int] NULL,  
[NameEN] [nvarchar](200) NULL,  
[NameIT] [nvarchar](200) NULL,  
[NameES] [nvarchar](200) NULL,  
[NameNO] [nvarchar](200) NULL,  
[NameGR] [nvarchar](200) NULL,  
CONSTRAINT [CityID] PRIMARY KEY CLUSTERED  
(  
    [CityID] ASC  
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,  
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]  
) ON [PRIMARY]  
GO  
/***** Object: Table [dbo].[BOMenuItems]  Script Date: 10/17/2011 12:50:57 *****/  
SET ANSI_NULLS ON  
GO  
SET QUOTED_IDENTIFIER ON  
GO  
CREATE TABLE [dbo].[BOMenuItems](  
    [MenuItemID] [int] IDENTITY(1,1) NOT NULL,  
    [LabelEN] [nvarchar](50) NULL,  
    [LabelES] [nvarchar](50) NULL,  
    [LabelGR] [nvarchar](50) NULL,  
    [LabelIT] [nvarchar](50) NULL,  
    [LabelNO] [nvarchar](50) NULL,  
    [DescriptionEN] [nvarchar](100) NULL,  
    [DescriptionIT] [nvarchar](100) NULL,  
    [DescriptionES] [nvarchar](100) NULL,  
    [DescriptionGR] [nvarchar](100) NULL,  
    [Route] [nvarchar](50) NULL,  
    [ActionValue] [nvarchar](50) NULL,  
    [ParentID] [int] NULL,  
    [TabItemID] [int] NULL,  
    [DefaultInTab] [bit] NULL,  
    [MenuOrder] [int] NOT NULL,  
    [ClassName] [nvarchar](50) NULL,  
CONSTRAINT [PK_BOMenuItem__8943F7023E723F9C] PRIMARY KEY CLUSTERED  
(  
    [MenuItemID] ASC  
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,  
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]  
) ON [PRIMARY]  
GO  
/***** Object: Table [dbo].[CTGameParameterAvailableValues]  Script Date: 10/17/2011 12:50:57 *****/  
SET ANSI_NULLS ON  
GO  
SET QUOTED_IDENTIFIER ON  
GO  
SET ANSI_PADDING ON  
GO  
CREATE TABLE [dbo].[CTGameParameterAvailableValues](  
    [GameParameterAvailableValuesID] [int] IDENTITY(1,1) NOT NULL,  
    [GameParameterID] [int] NOT NULL,  
    [DementiaLevelID] [int] NOT NULL,  
    [Value] [varchar](100) NOT NULL,  
CONSTRAINT [PK_GameParameterAvailableValuesID] PRIMARY KEY CLUSTERED  
(  
    [GameParameterAvailableValuesID] ASC  
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,  
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]  
) ON [PRIMARY]  
GO  
SET ANSI_PADDING OFF  
GO  
/***** Object: Table [dbo].[BOMenuItemsRoles]  Script Date: 10/17/2011 12:50:57 *****/  
SET ANSI_NULLS ON  
GO  
SET QUOTED_IDENTIFIER ON  
GO  
CREATE TABLE [dbo].[BOMenuItemsRoles](
```

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```

[MenuItemRoleID] [int] IDENTITY(1,1) NOT NULL,
[RoleID] [int] NOT NULL,
[MenuItemID] [int] NOT NULL,
CONSTRAINT [PK_MenuItemRoleID] PRIMARY KEY CLUSTERED
(
    [MenuItemRoleID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
/***** Object: Table [dbo].[GECareCenters]  Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[GECareCenters](
    [CareCenterID] [int] IDENTITY(1,1) NOT NULL,
    [CareCenterName] [nvarchar](200) NULL,
    [Address] [nvarchar](200) NULL,
    [Phones] [nvarchar](50) NULL,
    [Zip] [nchar](10) NULL,
    [CareCenterIP] [nchar](15) NULL,
    [CountryID] [int] NULL,
    [CityID] [int] NULL,
CONSTRAINT [PK_CareCenters] PRIMARY KEY CLUSTERED
(
    [CareCenterID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
/***** Object: Table [dbo].[CTPrograms]  Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[CTPrograms](
    [ProgramID] [int] IDENTITY(1,1) NOT NULL,
    [Note] [nvarchar](100) NULL,
    [CareCenterID] [int] NOT NULL,
    [NameEN] [nvarchar](100) NULL,
    [NameES] [nvarchar](100) NULL,
    [NameGR] [nvarchar](100) NULL,
    [NameIT] [nvarchar](100) NULL,
    [NameNO] [nvarchar](100) NULL,
CONSTRAINT [PK_CTPrograms] PRIMARY KEY CLUSTERED
(
    [ProgramID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
/***** Object: Table [dbo].[BOPersonnel]  Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[BOPersonnel](
    [PersonnelID] [int] IDENTITY(1,1) NOT NULL,
    [FirstName] [nvarchar](50) NULL,
    [LastName] [nvarchar](50) NULL,
    [CareCenterID] [int] NULL,
    [ProfessionID] [int] NULL,
    [UserID] [int] NULL,
    [Notes] [ntext] NULL,
    [Active] [bit] NULL,
CONSTRAINT [PK_MedicalExperts] PRIMARY KEY CLUSTERED
(
    [PersonnelID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]

```



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```
) ON [PRIMARY] TEXTIMAGE_ON [PRIMARY]
GO
/***** Object: Table [dbo].[CTGroups]  Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[CTGroups](
    [GroupID] [int] IDENTITY(1,1) NOT NULL,
    [Name] [nvarchar](100) NOT NULL,
    [PeriodID] [int] NULL,
    [ProgramID] [int] NULL,
    CONSTRAINT [PK_CTGroups] PRIMARY KEY CLUSTERED
(
    [GroupID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
/***** Object: Table [dbo].[GEPatients]  Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[GEPatients](
    [PatientID] [int] IDENTITY(1,1) NOT NULL,
    [FirstName] [nvarchar](50) NULL,
    [LastName] [nvarchar](50) NULL,
    [BirthDate] [datetime] NULL,
    [Sex] [int] NULL,
    [ProfessionID] [int] NULL,
    [NumOfChildren] [int] NULL,
    [Address] [nvarchar](200) NULL,
    [Email] [nvarchar](200) NULL,
    [IdentificationNumber] [nvarchar](200) NULL,
    [AcademicLevelID] [int] NULL,
    [BirthCityID] [int] NULL,
    [ResidenceCityID] [int] NULL,
    [Active] [bit] NULL,
    [Retired] [tinyint] NULL,
    [MaritalStatus] [tinyint] NULL,
    [PrimaryCaregiver] [tinyint] NULL,
    [RuralResidence] [tinyint] NULL,
    [PreviousPCExperience] [tinyint] NULL,
    [UserID] [int] NULL,
    [CareCenterID] [int] NULL,
    [DropOut] [bit] NULL,
    [DropOutReason] [nvarchar](200) NULL,
    [LivingWith] [int] NULL,
    [Notes] [nvarchar](200) NULL,
    [RetirementAge] [int] NULL,
    [FinancialCondition] [nvarchar](200) NULL,
    [YearsOfSchooling] [int] NULL,
    [NationalUniqueIdentifier] [nvarchar](50) NULL,
    [SocialStatus] [ntext] NULL,
    [DementiaLevelID] [int] NULL,
    [GroupID] [int] NULL,
    CONSTRAINT [PK_Patients] PRIMARY KEY CLUSTERED
(
    [PatientID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY] TEXTIMAGE_ON [PRIMARY]
GO
/***** Object: Table [dbo].[CTTrainings]  Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[CTTrainings](
    [ProgramID] [int] IDENTITY(1,1) NOT NULL,
```

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```
[CareCenterID] [int] NOT NULL,  
[Notes] [nvarchar](50) NULL,  
[Name] [nvarchar](100) NOT NULL,  
[GroupID] [int] NULL,  
CONSTRAINT [PK_TrainingPrograms] PRIMARY KEY CLUSTERED  
(  
    [ProgramID] ASC  
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,  
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]  
) ON [PRIMARY]  
GO  
/***** Object: View [dbo].[vwUsersPatient]  Script Date: 10/17/2011 12:50:58 *****/  
SET ANSI_NULLS ON  
GO  
SET QUOTED_IDENTIFIER ON  
GO  
CREATE VIEW [dbo].[vwUsersPatient]  
AS  
SELECT    dbo.BOUsers.Username  
FROM      dbo.BOUsers INNER JOIN  
          dbo.GEPatients ON dbo.BOUsers.UserID = dbo.GEPatients.UserID  
WHERE     (dbo.GEPatients.Active = 1)  
GO  
/***** Object: View [dbo].[vwShowPatient]  Script Date: 10/17/2011 12:50:58 *****/  
SET ANSI_NULLS ON  
GO  
SET QUOTED_IDENTIFIER ON  
GO  
CREATE VIEW [dbo].[vwShowPatient]  
AS  
SELECT    dbo.GEPatients.FirstName, dbo.GEPatients.LastName, dbo.BOUsers.UserID  
FROM      dbo.BOUsers INNER JOIN  
          dbo.GEPatients ON dbo.BOUsers.UserID = dbo.GEPatients.UserID  
AND       dbo.gepatients.ACTIVE=1  
GO  
/***** Object: Table [dbo].[SAAssessment]  Script Date: 10/17/2011 12:50:57 *****/  
SET ANSI_NULLS ON  
GO  
SET QUOTED_IDENTIFIER ON  
GO  
CREATE TABLE [dbo].[SAAssessment](  
    [AssessmentID] [int] IDENTITY(1,1) NOT NULL,  
    [AssessmentDate] [datetime] NULL,  
    [Moment] [nvarchar](200) NULL,  
    [Mood] [int] NULL,  
    [Isolation] [int] NULL,  
    [PatientID] [int] NOT NULL,  
    CONSTRAINT [PK_Assessment] PRIMARY KEY CLUSTERED  
(  
    [AssessmentID] ASC  
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,  
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]  
) ON [PRIMARY]  
GO  
/***** Object: Table [dbo].[GEDevices]  Script Date: 10/17/2011 12:50:57 *****/  
SET ANSI_NULLS ON  
GO  
SET QUOTED_IDENTIFIER ON  
GO  
CREATE TABLE [dbo].[GEDevices](  
    [DeviceID] [int] IDENTITY(1,1) NOT NULL,  
    [DeviceTypeID] [int] NULL,  
    [MACAddress] [nvarchar](17) NULL,  
    [CareCenterID] [int] NULL,  
    [PatientID] [int] NULL,  
    [Name] [nvarchar](50) NULL,  
    CONSTRAINT [PK_GEDevices] PRIMARY KEY CLUSTERED  
(  
    [DeviceID] ASC  
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,  
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
```

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```
) ON [PRIMARY]
GO
/***** Object: Table [dbo].[CTPatientTest]  Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[CTPatientTest](
    [PatientTestID] [int] IDENTITY(1,1) NOT NULL,
    [RawScore] [decimal](5, 2) NULL,
    [CalculatedScore] [decimal](5, 2) NULL,
    [EquivalentScore] [decimal](5, 2) NULL,
    [ExecutedDate] [datetime] NULL,
    [PatientID] [int] NULL,
    [TestID] [int] NULL,
    [EvaluationTime] [numeric](1, 0) NULL,
    CONSTRAINT [PK_CTPatientTests] PRIMARY KEY CLUSTERED
(
    [PatientTestID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
/***** Object: Table [dbo].[GEPatientPersonnel]  Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[GEPatientPersonnel](
    [PatientPersonnelID] [int] IDENTITY(1,1) NOT NULL,
    [PatientID] [int] NOT NULL,
    [PersonnelID] [int] NOT NULL,
    CONSTRAINT [PK_PatientPersonnelID] PRIMARY KEY CLUSTERED
(
    [PatientPersonnelID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
/***** Object: Table [dbo].[GEPatientContacts]  Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[GEPatientContacts](
    [PatientContactID] [int] IDENTITY(1,1) NOT NULL,
    [PatientID] [int] NULL,
    [Type] [int] NULL,
    [ContactValue] [nvarchar](50) NULL,
    [Referent] [nvarchar](50) NULL,
    [IsPrimary] [tinyint] NULL,
    CONSTRAINT [PK_PatientContacts] PRIMARY KEY CLUSTERED
(
    [PatientContactID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
/***** Object: Table [dbo].[SAFriends]  Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[SAFriends](
    [FriendID] [int] IDENTITY(1,1) NOT NULL,
    [User1ID] [int] NULL,
    [User2ID] [int] NULL,
    [Blocked] [bit] NULL,
    [Accepted] [bit] NULL,
    [FriendshipDate] [date] NULL,
    CONSTRAINT [FriendID] PRIMARY KEY CLUSTERED
```

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```
(
    [FriendID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
/***** Object: Table [dbo].[SABooksOfLife]  Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[SABooksOfLife](
    [BookOfLifeID] [int] IDENTITY(1,1) NOT NULL,
    [Multiple] [bit] NULL,
    [VisibilityID] [int] NULL,
    [OwnerPatientID] [int] NULL,
    [OwnerPersonnelID] [int] NULL,
    [CreationDate] [date] NULL,
    [Cover] [ntext] NULL,
CONSTRAINT [PK_BooksOfLife] PRIMARY KEY CLUSTERED
(
    [BookOfLifeID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY] TEXTIMAGE_ON [PRIMARY]
GO
/***** Object: Table [dbo].[SAPatientHobbies]  Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[SAPatientHobbies](
    [PatientHobbyID] [int] IDENTITY(1,1) NOT NULL,
    [HobbyID] [int] NOT NULL,
    [PatientID] [int] NOT NULL,
CONSTRAINT [PK_PatientHobbyID] PRIMARY KEY CLUSTERED
(
    [PatientHobbyID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
/***** Object: Table [dbo].[CTGameResources]  Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[CTGameResources](
    [GameResourceID] [int] IDENTITY(1,1) NOT NULL,
    [GameResourceItemID] [int] NULL,
    [GameResourceTypeID] [int] NULL,
    [DescriptionEN] [nvarchar](100) NULL,
    [DescriptionIT] [nvarchar](100) NULL,
    [DescriptionES] [nvarchar](100) NULL,
    [DescriptionNO] [nvarchar](100) NULL,
    [DescriptionGR] [nvarchar](100) NULL,
    [FileName] [nvarchar](100) NULL,
    [IsSystem] [tinyint] NULL,
    [IsActive] [tinyint] NULL,
    [PatientID] [int] NULL,
    [FileNameEN] [nvarchar](50) NULL,
    [FileNameES] [nvarchar](50) NULL,
    [FileNameIT] [nvarchar](50) NULL,
    [FileNameGR] [nvarchar](50) NULL,
    [FileNameNO] [nvarchar](50) NULL,
CONSTRAINT [PK_CTGameResources] PRIMARY KEY CLUSTERED
(
    [GameResourceID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
```

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```
GO
/***** Object: Table [dbo].[CTPatientCognitiveSkills]  Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[CTPatientCognitiveSkills](
    [PatientCognitiveSkillID] [int] IDENTITY(1,1) NOT NULL,
    [PatientID] [int] NOT NULL,
    [CognitiveSkillID] [int] NOT NULL,
    CONSTRAINT [PK_PatientCognitiveSkillID] PRIMARY KEY CLUSTERED
(
    [PatientCognitiveSkillID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
/***** Object: Table [dbo].[CTPatientTrainings]  Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[CTPatientTrainings](
    [PatientPrograms] [int] IDENTITY(1,1) NOT NULL,
    [ProgramID] [int] NULL,
    [PatientID] [int] NULL,
    CONSTRAINT [PK_Table_1_3] PRIMARY KEY CLUSTERED
(
    [PatientPrograms] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
/***** Object: Table [dbo].[CTPatientTestResults]  Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[CTPatientTestResults](
    [PatientTestResultID] [int] IDENTITY(1,1) NOT NULL,
    [DateTestTaken] [datetime] NULL,
    [QuestionID] [int] NULL,
    [Answer] [int] NULL,
    [PatientTestID] [int] NULL,
    CONSTRAINT [PK_CTPatientTestResults] PRIMARY KEY CLUSTERED
(
    [PatientTestResultID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
/***** Object: Table [dbo].[SAPagesOfBook]  Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[SAPagesOfBook](
    [PagesOfBookID] [int] IDENTITY(1,1) NOT NULL,
    [Number] [int] NULL,
    [Title] [ntext] NULL,
    [Text] [ntext] NULL,
    [Image] [ntext] NULL,
    [VisibilityID] [int] NULL,
    [BookOfLifeID] [int] NULL,
    [PageDate] [date] NULL,
    [Completed] [bit] NULL,
    [Audio] [ntext] NULL,
    [Object] [ntext] NULL,
    CONSTRAINT [PagesOfBookID] PRIMARY KEY CLUSTERED
(
    [PagesOfBookID] ASC
```

SOCIABLE: Motivating platform for elderly networking, mental reinforcement and social interaction  
WP4- System Implementation, Integration and Test

Deliverable D4.4: "SOCIABLE Database Structure and Knowledge Base"

```
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY] TEXTIMAGE_ON [PRIMARY]
GO
/***** Object: Table [dbo].[SABookOfLifePatients] Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[SABookOfLifePatients](
    [BookOfLifePatientID] [int] IDENTITY(1,1) NOT NULL,
    [BookOfLifeID] [int] NOT NULL,
    [PatientID] [int] NOT NULL,
    CONSTRAINT [PK_BookOfLifePatientID] PRIMARY KEY CLUSTERED
(
    [BookOfLifePatientID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
/***** Object: Table [dbo].[GESync] Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
SET ANSI_PADDING ON
GO
CREATE TABLE [dbo].[GESync](
    [SyncID] [int] IDENTITY(1,1) NOT NULL,
    [DeviceID] [int] NULL,
    [LastRowVersion] [char](18) NULL,
    [SyncTableID] [int] NULL,
    CONSTRAINT [PK_Table_1_2] PRIMARY KEY CLUSTERED
(
    [SyncID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
SET ANSI_PADDING OFF
GO
/***** Object: Table [dbo].[GESurfaceTag] Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[GESurfaceTag](
    [SurfaceTagID] [int] IDENTITY(1,1) NOT NULL,
    [Number] [nvarchar](64) NULL,
    [UserID] [int] NULL,
    [ResourceID] [int] NULL,
    [IsByteTag] [tinyint] NULL,
    CONSTRAINT [PK_Table_1_1] PRIMARY KEY CLUSTERED
(
    [SurfaceTagID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
/***** Object: Table [dbo].[CTSessions] Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[CTSessions](
    [SessionID] [int] IDENTITY(1,1) NOT NULL,
    [ProgramID] [int] NOT NULL,
    [ScheduledDate] [datetime] NOT NULL,
    [ExecutedDate] [datetime] NULL,
    [Comments] [nvarchar](50) NULL,
    [PersonnelID] [int] NULL,
```

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```

[DeviceID] [int] NULL,
CONSTRAINT [PK_TrainingSessions] PRIMARY KEY CLUSTERED
(
    [SessionID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
/***** Object: View [dbo].[vwUsers]  Script Date: 10/17/2011 12:50:58 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE VIEW [dbo].[vwUsers]
AS
SELECT  dbo.BOUsers.Username, dbo.BOUsers.Password, dbo.GESurfaceTag.Number
FROM    dbo.BOUsers INNER JOIN
        dbo.GESurfaceTag ON dbo.BOUsers.UserID = dbo.GESurfaceTag.UserID
GO
/***** Object: View [dbo].[vwPersonnel]  Script Date: 10/17/2011 12:50:58 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE VIEW [dbo].[vwPersonnel]
AS
SELECT  dbo.BOUsers.Username, dbo.BOPersonnel.ProfessionID, dbo.GESurfaceTag.Number AS idtag, dbo.BOUsers.Password,
dbo.BOPersonnel.FirstName,
        dbo.BOPersonnel.LastName, dbo.BOUsers.UserID, dbo.BOPersonnel.PersonnelID
FROM    dbo.BOUsers INNER JOIN
        dbo.BOPersonnel ON dbo.BOUsers.UserID = dbo.BOPersonnel.UserID INNER JOIN
        dbo.GESurfaceTag ON dbo.BOUsers.UserID = dbo.GESurfaceTag.UserID
AND    dbo.BOPersonnel.ACTIVE=1
GO
/***** Object: View [dbo].[vwpatients]  Script Date: 10/17/2011 12:50:58 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE VIEW [dbo].[vwpatients]
AS
SELECT  a.PatientID, a.FirstName, a.LastName, b.Username, b.Password, b.UserID, c.Number AS idtag, a.Sex AS gender
FROM    dbo.GEPatients AS a INNER JOIN
        dbo.BOUsers AS b ON a.UserID = b.UserID LEFT OUTER JOIN
        dbo.GESurfaceTag AS c ON b.UserID = c.UserID
WHERE   (a.Active = 1)
GO
/***** Object: View [dbo].[vwShowMedicalExpert]  Script Date: 10/17/2011 12:50:58 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE VIEW [dbo].[vwShowMedicalExpert]
AS
SELECT  dbo.BOPersonnel.FirstName, dbo.BOPersonnel.LastName, dbo.CTSessions.SessionID, dbo.BOPersonnel.PersonnelID
FROM    dbo.CTSessions INNER JOIN
        dbo.BOPersonnel ON dbo.CTSessions.PersonnelID = dbo.BOPersonnel.PersonnelID
GO
/***** Object: Table [dbo].[CTPatientSessions]  Script Date: 10/17/2011 12:50:57 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[CTPatientSessions](
    [PatientSessionID] [int] IDENTITY(1,1) NOT NULL,
    [PatientID] [int] NOT NULL,
    [SessionID] [int] NOT NULL,
CONSTRAINT [PK_CTPatientSessions] PRIMARY KEY CLUSTERED
(
    [PatientSessionID] ASC

```

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```
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY]
GO
```

```
/****** Object: Table [dbo].[CTSessionGames] Script Date: 10/17/2011 12:50:57 *****/
```

```
SET ANSI_NULLS ON
```

```
GO
```

```
SET QUOTED_IDENTIFIER ON
```

```
GO
```

```
CREATE TABLE [dbo].[CTSessionGames](
    [ActivityID] [int] IDENTITY(1,1) NOT NULL,
    [SessionID] [int] NOT NULL,
    [GameID] [int] NOT NULL,
    [ExecutedDate] [datetime] NULL,
    CONSTRAINT [PK_TrainingActivities] PRIMARY KEY CLUSTERED
```

```
(
```

```
    [ActivityID] ASC
```

```
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
```

```
) ON [PRIMARY]
```

```
GO
```

```
/****** Object: Table [dbo].[CTGameParameterValues] Script Date: 10/17/2011 12:50:57 *****/
```

```
SET ANSI_NULLS ON
```

```
GO
```

```
SET QUOTED_IDENTIFIER ON
```

```
GO
```

```
CREATE TABLE [dbo].[CTGameParameterValues](
    [GameParameterValueID] [int] IDENTITY(1,1) NOT NULL,
    [GameParameterID] [int] NULL,
    [Value] [nvarchar](50) NULL,
    [ActivityID] [int] NULL,
    CONSTRAINT [PK_GameThemeAttributes] PRIMARY KEY CLUSTERED
```

```
(
```

```
    [GameParameterValueID] ASC
```

```
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
```

```
) ON [PRIMARY]
```

```
GO
```

```
/****** Object: Table [dbo].[CTActivityMetrics] Script Date: 10/17/2011 12:50:57 *****/
```

```
SET ANSI_NULLS ON
```

```
GO
```

```
SET QUOTED_IDENTIFIER ON
```

```
GO
```

```
CREATE TABLE [dbo].[CTActivityMetrics](
    [ActivityMetricID] [int] IDENTITY(1,1) NOT NULL,
    [GameMetricID] [int] NULL,
    [Score] [nvarchar](50) NULL,
    [ActivityID] [int] NULL,
    CONSTRAINT [PK_ActivityScores] PRIMARY KEY CLUSTERED
```

```
(
```

```
    [ActivityMetricID] ASC
```

```
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON,
ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
```

```
) ON [PRIMARY]
```

```
GO
```

```
/****** Object: View [dbo].[vwUserGroupSessionExists] Script Date: 10/17/2011 12:50:58 *****/
```

```
SET ANSI_NULLS ON
```

```
GO
```

```
SET QUOTED_IDENTIFIER ON
```

```
GO
```

```
CREATE VIEW [dbo].[vwUserGroupSessionExists]
```

```
AS
```

```
SELECT dbo.BOUsers.Username, dbo.CTSessions.SessionID
```

```
FROM dbo.BOUsers INNER JOIN
```

```
    dbo.GEPatients ON dbo.BOUsers.UserID = dbo.GEPatients.UserID INNER JOIN
```

```
    dbo.CTPatientTrainings ON dbo.GEPatients.PatientID = dbo.CTPatientTrainings.PatientID INNER JOIN
```

```
    dbo.CTTrainings ON dbo.CTPatientTrainings.ProgramID = dbo.CTTrainings.ProgramID INNER JOIN
```

```
    dbo.CTSessions ON dbo.CTTrainings.ProgramID = dbo.CTSessions.ProgramID INNER JOIN
```

```
    dbo.CTSessionGames ON dbo.CTSessions.SessionID = dbo.CTSessionGames.SessionID INNER JOIN
```

```
    dbo.CTGames ON dbo.CTSessionGames.GameID = dbo.CTGames.GameID
```



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```
WHERE (CAST(dbo.CTSessions.ScheduledDate AS date) = CAST(GETDATE() AS date)) AND (dbo.CTSessions.ExecutedDate IS
NULL)
GO
EXEC sys.sp_addextendedproperty @name=N'MS_DiagramPane1', @value=N'[0E232FF0-B466-11cf-A24F-00AA00A3EFFF, 1.00]
Begin DesignProperties =
Begin PaneConfigurations =
Begin PaneConfiguration = 0
NumPanes = 4
Configuration = "(H (1[40] 4[20] 2[20] 3) )"
End
Begin PaneConfiguration = 1
NumPanes = 3
Configuration = "(H (1 [50] 4 [25] 3))"
End
Begin PaneConfiguration = 2
NumPanes = 3
Configuration = "(H (1 [50] 2 [25] 3))"
End
Begin PaneConfiguration = 3
NumPanes = 3
Configuration = "(H (4 [30] 2 [40] 3))"
End
Begin PaneConfiguration = 4
NumPanes = 2
Configuration = "(H (1 [56] 3))"
End
Begin PaneConfiguration = 5
NumPanes = 2
Configuration = "(H (2 [66] 3))"
End
Begin PaneConfiguration = 6
NumPanes = 2
Configuration = "(H (4 [50] 3))"
End
Begin PaneConfiguration = 7
NumPanes = 1
Configuration = "(V (3))"
End
Begin PaneConfiguration = 8
NumPanes = 3
Configuration = "(H (1[56] 4[18] 2) )"
End
Begin PaneConfiguration = 9
NumPanes = 2
Configuration = "(H (1 [75] 4))"
End
Begin PaneConfiguration = 10
NumPanes = 2
Configuration = "(H (1[66] 2) )"
End
Begin PaneConfiguration = 11
NumPanes = 2
Configuration = "(H (4 [60] 2))"
End
Begin PaneConfiguration = 12
NumPanes = 1
Configuration = "(H (1) )"
End
Begin PaneConfiguration = 13
NumPanes = 1
Configuration = "(V (4))"
End
Begin PaneConfiguration = 14
NumPanes = 1
Configuration = "(V (2))"
End
ActivePaneConfig = 0
End
Begin DiagramPane =
Begin Origin =
Top = 0
```

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```
Left = 0
End
Begin Tables =
Begin Table = "BOUsers"
Begin Extent =
Top = 6
Left = 38
Bottom = 125
Right = 258
End
DisplayFlags = 280
TopColumn = 0
End
Begin Table = "GEPatients"
Begin Extent =
Top = 126
Left = 38
Bottom = 245
Right = 243
End
DisplayFlags = 280
TopColumn = 0
End
Begin Table = "CTPatientTrainings"
Begin Extent =
Top = 6
Left = 296
Bottom = 110
Right = 464
End
DisplayFlags = 280
TopColumn = 0
End
Begin Table = "CTTrainings"
Begin Extent =
Top = 6
Left = 502
Bottom = 125
Right = 662
End
DisplayFlags = 280
TopColumn = 0
End
Begin Table = "CTSessions"
Begin Extent =
Top = 234
Left = 281
Bottom = 353
Right = 442
End
DisplayFlags = 280
TopColumn = 0
End
Begin Table = "CTSessionGames"
Begin Extent =
Top = 246
Left = 38
Bottom = 365
Right = 198
End
DisplayFlags = 280
TopColumn = 0
End
Begin Table = "CTGames"
Begin Extent =
Top = 354
Left = 236
Bottom = 473
Right = 422
End
', @level0type=N'SCHEMA',@level0name=N'dbo', @level1type=N'VIEW',@level1name=N'vwUserGroupSessionExists'
```

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```

GO
EXEC sys.sp_addextendedproperty @name=N'MS_DiagramPane2', @value=N'      DisplayFlags = 280
      TopColumn = 0
    End
  End
End
Begin SQLPane =
End
Begin DataPane =
  Begin ParameterDefaults = ""
  End
  Begin ColumnWidths = 9
    Width = 284
    Width = 1500
    Width = 1500
    Width = 1500
    Width = 1500
    Width = 1500
    Width = 1500
    Width = 1500
    Width = 1500
  End
End
Begin CriteriaPane =
  Begin ColumnWidths = 11
    Column = 1440
    Alias = 900
    Table = 1170
    Output = 720
    Append = 1400
    NewValue = 1170
    SortType = 1350
    SortOrder = 1410
    GroupBy = 1350
    Filter = 1350
    Or = 1350
    Or = 1350
    Or = 1350
  End
End
End
', @level0type=N'SCHEMA',@level0name=N'dbo', @level1type=N'VIEW',@level1name=N'vwUserGroupSessionExists'
GO
EXEC sys.sp_addextendedproperty @name=N'MS_DiagramPaneCount', @value=2 ,
@level0type=N'SCHEMA',@level0name=N'dbo', @level1type=N'VIEW',@level1name=N'vwUserGroupSessionExists'
GO
/***** Object: View [dbo].[vwSessionGamesByCognitiveSkill]  Script Date: 10/17/2011 12:50:58 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE VIEW [dbo].[vwSessionGamesByCognitiveSkill]
AS
SELECT  dbo.CTGames.GameNameEN, dbo.CTGames.GameID, dbo.CTGames.GameNameIT, dbo.CTGames.GameNameGR,
        dbo.CTGames.GameNameES,
        dbo.CTGames.GameNameNO, dbo.CTCognitiveSkills.CognitiveSkillID, dbo.CTCognitiveSkills.CognitiveSkillNameEN,
        dbo.CTCognitiveSkills.CognitiveSkillNameIT,
        dbo.CTCognitiveSkills.CognitiveSkillNameES, dbo.CTCognitiveSkills.CognitiveSkillNameNO,
        dbo.CTCognitiveSkills.CognitiveSkillNameGR,
        dbo.CTSessionGames.SessionID, dbo.CTSessionGames.ActivityID, dbo.CTGameParameters.GameParameterID
FROM    dbo.CTGames INNER JOIN
        dbo.CTGameCognitiveSkills ON dbo.CTGames.GameID = dbo.CTGameCognitiveSkills.GameID INNER JOIN
        dbo.CTCognitiveSkills ON dbo.CTGameCognitiveSkills.CognitiveSkillID = dbo.CTCognitiveSkills.CognitiveSkillID INNER
JOIN
        dbo.CTSessionGames ON dbo.CTGames.GameID = dbo.CTSessionGames.GameID INNER JOIN
        dbo.CTGameParameters ON dbo.CTGames.GameID = dbo.CTGameParameters.GameID
WHERE   (dbo.CTSessionGames.ExecutedDate IS NULL) AND (dbo.CTGames.Available = 1)
GO
EXEC sys.sp_addextendedproperty @name=N'MS_DiagramPane1', @value=N'[0E232FF0-B466-11cf-A24F-00AA00A3EFFF, 1.00]
Begin DesignProperties =
  Begin PaneConfigurations =

```

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Deliverable D4.4: "SOCIABLE Database Structure and Knowledge Base"

```
Begin PaneConfiguration = 0
  NumPanes = 4
  Configuration = "(H (1[40] 4[20] 2[20] 3) )"
End
Begin PaneConfiguration = 1
  NumPanes = 3
  Configuration = "(H (1 [50] 4 [25] 3))"
End
Begin PaneConfiguration = 2
  NumPanes = 3
  Configuration = "(H (1 [50] 2 [25] 3))"
End
Begin PaneConfiguration = 3
  NumPanes = 3
  Configuration = "(H (4 [30] 2 [40] 3))"
End
Begin PaneConfiguration = 4
  NumPanes = 2
  Configuration = "(H (1 [56] 3))"
End
Begin PaneConfiguration = 5
  NumPanes = 2
  Configuration = "(H (2 [66] 3))"
End
Begin PaneConfiguration = 6
  NumPanes = 2
  Configuration = "(H (4 [50] 3))"
End
Begin PaneConfiguration = 7
  NumPanes = 1
  Configuration = "(V (3))"
End
Begin PaneConfiguration = 8
  NumPanes = 3
  Configuration = "(H (1[56] 4[18] 2) )"
End
Begin PaneConfiguration = 9
  NumPanes = 2
  Configuration = "(H (1 [75] 4))"
End
Begin PaneConfiguration = 10
  NumPanes = 2
  Configuration = "(H (1[66] 2) )"
End
Begin PaneConfiguration = 11
  NumPanes = 2
  Configuration = "(H (4 [60] 2))"
End
Begin PaneConfiguration = 12
  NumPanes = 1
  Configuration = "(H (1) )"
End
Begin PaneConfiguration = 13
  NumPanes = 1
  Configuration = "(V (4))"
End
Begin PaneConfiguration = 14
  NumPanes = 1
  Configuration = "(V (2))"
End
ActivePaneConfig = 0
End
Begin DiagramPane =
  Begin Origin =
    Top = 0
    Left = 0
  End
  Begin Tables =
    Begin Table = "CTGames"
      Begin Extent =
        Top = 6
```

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```
Left = 38
Bottom = 125
Right = 224
End
DisplayFlags = 280
TopColumn = 0
End
Begin Table = "CTGameCognitiveSkills"
Begin Extent =
Top = 6
Left = 262
Bottom = 110
Right = 451
End
DisplayFlags = 280
TopColumn = 0
End
Begin Table = "CTCognitiveSkills"
Begin Extent =
Top = 114
Left = 262
Bottom = 233
Right = 456
End
DisplayFlags = 280
TopColumn = 0
End
Begin Table = "CTSessionGames"
Begin Extent =
Top = 126
Left = 38
Bottom = 287
Right = 198
End
DisplayFlags = 280
TopColumn = 0
End
End
End
Begin SQLPane =
End
Begin DataPane =
Begin ParameterDefaults = ""
End
Begin ColumnWidths = 9
Width = 284
Width = 1500
Width = 1500
Width = 1500
Width = 1500
Width = 1500
Width = 1500
Width = 1500
Width = 1500
Width = 1500
End
End
Begin CriteriaPane =
Begin ColumnWidths = 11
Column = 1440
Alias = 900
Table = 1170
Output = 720
Append = 1400
NewValue = 1170
SortType = 1350
SortOrder = 1410
GroupBy = 1350
Filter = 1350
Or = 1350
Or = 1350
', @level0type=N'SCHEMA',@level0name=N'dbo', @level1type=N'VIEW',@level1name=N'vwSessionGamesByCognitiveSkill'
```

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```
GO
EXEC sys.sp_addextendedproperty @name=N'MS_DiagramPane2', @value=N' Or = 1350
End
End
End
', @level0type=N'SCHEMA',@level0name=N'dbo', @level1type=N'VIEW',@level1name=N'vwSessionGamesByCognitiveSkill'
GO
EXEC sys.sp_addextendedproperty @name=N'MS_DiagramPaneCount', @value=2,
@level0type=N'SCHEMA',@level0name=N'dbo', @level1type=N'VIEW',@level1name=N'vwSessionGamesByCognitiveSkill'
GO
/***** Object: View [dbo].[vwLevelForGame] Script Date: 10/17/2011 12:50:58 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE VIEW [dbo].[vwLevelForGame]
AS
SELECT dbo.CTGames.GameID, dbo.CTSessions.SessionID, dbo.CTGameParameterValues.GameParameterID,
dbo.CTGameParameterValues.Value
FROM dbo.CTGames INNER JOIN
    dbo.CTGameParameters ON dbo.CTGames.GameID = dbo.CTGameParameters.GameID INNER JOIN
    dbo.CTGameParameterValues ON dbo.CTGameParameters.GameParameterID =
dbo.CTGameParameterValues.GameParameterID AND
    dbo.CTGameParameters.GameParameterID = dbo.CTGameParameterValues.GameParameterID INNER JOIN
    dbo.CTSessionGames ON dbo.CTGames.GameID = dbo.CTSessionGames.GameID AND
    dbo.CTGameParameterValues.ActivityID = dbo.CTSessionGames.ActivityID INNER JOIN
    dbo.CTSessions ON dbo.CTSessionGames.SessionID = dbo.CTSessions.SessionID
GO
/***** Object: Default [DF_appDBVer_ExecDate] Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[appDBVer] ADD CONSTRAINT [DF_appDBVer_ExecDate] DEFAULT (getdate()) FOR [ExecDate]
GO
/***** Object: Default [DF__BOMenuite__MenuO__0F975522] Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[BOMenuItems] ADD DEFAULT ((0)) FOR [MenuOrder]
GO
/***** Object: Default [DF__BORoles__Default__1273C1CD] Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[BORoles] ADD DEFAULT ((0)) FOR [DefaultMenuItemID]
GO
/***** Object: Default [DF__BORoles__Priorit__1367E606] Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[BORoles] ADD DEFAULT ((0)) FOR [Priority]
GO
/***** Object: Default [0.163573] Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[CTGames] ADD CONSTRAINT [0.163573] DEFAULT (newid()) FOR [GUID]
GO
/***** Object: Default [DF__scope_inf__scope__4C6B5938] Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[scope_info] ADD DEFAULT (newid()) FOR [scope_id]
GO
/***** Object: Default [DF__scope_inf__scope__4D5F7D71] Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[scope_info] ADD DEFAULT ((0)) FOR [scope_restore_count]
GO
/***** Object: ForeignKey [FK__admLogs__UserID__21D600EE] Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[admLogs] WITH CHECK ADD CONSTRAINT [FK__admLogs__UserID__21D600EE] FOREIGN KEY([UserID])
REFERENCES [dbo].[BOUsers] ([UserID])
GO
ALTER TABLE [dbo].[admLogs] CHECK CONSTRAINT [FK__admLogs__UserID__21D600EE]
GO
/***** Object: ForeignKey [FK_BOMenuItems_BOMenuItems] Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[BOMenuItems] WITH NOCHECK ADD CONSTRAINT [FK_BOMenuItems_BOMenuItems] FOREIGN
KEY([ParentID])
REFERENCES [dbo].[BOMenuItems] ([MenuItemID])
GO
ALTER TABLE [dbo].[BOMenuItems] CHECK CONSTRAINT [FK_BOMenuItems_BOMenuItems]
GO
/***** Object: ForeignKey [FK_BOMenuItems_BOTabItem] Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[BOMenuItems] WITH NOCHECK ADD CONSTRAINT [FK_BOMenuItems_BOTabItem] FOREIGN
KEY([TabItemID])
REFERENCES [dbo].[BOTabItems] ([TabItemID])
GO
ALTER TABLE [dbo].[BOMenuItems] CHECK CONSTRAINT [FK_BOMenuItems_BOTabItem]
GO
/***** Object: ForeignKey [FK_BOMenuItemsRoles_BOMenuItems] Script Date: 10/17/2011 12:50:57 *****/
```

## SOCIABLE: Motivating platform for elderly networking, mental reinforcement and social interaction

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#### Deliverable D4.4: "SOCIABLE Database Structure and Knowledge Base"

```
ALTER TABLE [dbo].[BOMenuItemsRoles] WITH NOCHECK ADD CONSTRAINT [FK_BOMenuItemsRoles_BOMenuItems]
FOREIGN KEY([MenuItemID])
REFERENCES [dbo].[BOMenuItems] ([MenuItemID])
GO
ALTER TABLE [dbo].[BOMenuItemsRoles] CHECK CONSTRAINT [FK_BOMenuItemsRoles_BOMenuItems]
GO
/***** Object: ForeignKey [FK_BOMenuItemsRoles BORoles] Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[BOMenuItemsRoles] WITH NOCHECK ADD CONSTRAINT [FK_BOMenuItemsRoles BORoles] FOREIGN
KEY([RoleID])
REFERENCES [dbo].[BORoles] ([RoleID])
GO
ALTER TABLE [dbo].[BOMenuItemsRoles] CHECK CONSTRAINT [FK_BOMenuItemsRoles BORoles]
GO
/***** Object: ForeignKey [FK_BOPersonnel_BOUsers] Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[BOPersonnel] WITH NOCHECK ADD CONSTRAINT [FK_BOPersonnel_BOUsers] FOREIGN KEY([UserID])
REFERENCES [dbo].[BOUsers] ([UserID])
GO
ALTER TABLE [dbo].[BOPersonnel] CHECK CONSTRAINT [FK_BOPersonnel_BOUsers]
GO
/***** Object: ForeignKey [FK_MedicalExperts_CareCenters] Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[BOPersonnel] WITH NOCHECK ADD CONSTRAINT [FK_MedicalExperts_CareCenters] FOREIGN
KEY([CareCenterID])
REFERENCES [dbo].[GECareCenters] ([CareCenterID])
GO
ALTER TABLE [dbo].[BOPersonnel] CHECK CONSTRAINT [FK_MedicalExperts_CareCenters]
GO
/***** Object: ForeignKey [FK_Personnel_Professions] Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[BOPersonnel] WITH NOCHECK ADD CONSTRAINT [FK_Personnel_Professions] FOREIGN
KEY([ProfessionID])
REFERENCES [dbo].[GEProfessions] ([ProfessionID])
GO
ALTER TABLE [dbo].[BOPersonnel] CHECK CONSTRAINT [FK_Personnel_Professions]
GO
/***** Object: ForeignKey [FK_BOTabItems_BOTabs] Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[BOTabItems] WITH NOCHECK ADD CONSTRAINT [FK_BOTabItems_BOTabs] FOREIGN KEY([TabID])
REFERENCES [dbo].[BOTabs] ([TabID])
GO
ALTER TABLE [dbo].[BOTabItems] CHECK CONSTRAINT [FK_BOTabItems_BOTabs]
GO
/***** Object: ForeignKey [FK_BOUserRoles BORoles] Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[BOUserRoles] WITH CHECK ADD CONSTRAINT [FK_BOUserRoles BORoles] FOREIGN KEY([RoleID])
REFERENCES [dbo].[BORoles] ([RoleID])
GO
ALTER TABLE [dbo].[BOUserRoles] CHECK CONSTRAINT [FK_BOUserRoles BORoles]
GO
/***** Object: ForeignKey [FK_BOUserRoles_BOUsers] Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[BOUserRoles] WITH CHECK ADD CONSTRAINT [FK_BOUserRoles_BOUsers] FOREIGN KEY([UserID])
REFERENCES [dbo].[BOUsers] ([UserID])
GO
ALTER TABLE [dbo].[BOUserRoles] CHECK CONSTRAINT [FK_BOUserRoles_BOUsers]
GO
/***** Object: ForeignKey [FK_BOUserTemps_BOUsers] Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[BOUserTemps] WITH CHECK ADD CONSTRAINT [FK_BOUserTemps_BOUsers] FOREIGN KEY([UserID])
REFERENCES [dbo].[BOUsers] ([UserID])
GO
ALTER TABLE [dbo].[BOUserTemps] CHECK CONSTRAINT [FK_BOUserTemps_BOUsers]
GO
/***** Object: ForeignKey [FK_ActivityScores_GameMetrics] Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[CTActivityMetrics] WITH NOCHECK ADD CONSTRAINT [FK_ActivityScores_GameMetrics] FOREIGN
KEY([GameMetricID])
REFERENCES [dbo].[CTGameMetrics] ([GameMetricID])
GO
ALTER TABLE [dbo].[CTActivityMetrics] CHECK CONSTRAINT [FK_ActivityScores_GameMetrics]
GO
/***** Object: ForeignKey [FK_ActivityScores_TrainingActivities] Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[CTActivityMetrics] WITH CHECK ADD CONSTRAINT [FK_ActivityScores_TrainingActivities] FOREIGN
KEY([ActivityID])
REFERENCES [dbo].[CTSessionGames] ([ActivityID])
GO
ALTER TABLE [dbo].[CTActivityMetrics] CHECK CONSTRAINT [FK_ActivityScores_TrainingActivities]
GO
```

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Deliverable D4.4: "SOCIABLE Database Structure and Knowledge Base"

```
/****** Object: ForeignKey [FK_CognitiveSkills_CognitiveSkills]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[CTCognitiveSkills] WITH NOCHECK ADD CONSTRAINT [FK_CognitiveSkills_CognitiveSkills] FOREIGN
KEY([ParentCognitiveSkillID])
REFERENCES [dbo].[CTCognitiveSkills] ([CognitiveSkillID])
GO
ALTER TABLE [dbo].[CTCognitiveSkills] CHECK CONSTRAINT [FK_CognitiveSkills_CognitiveSkills]
GO
/****** Object: ForeignKey [FK_GameCognitiveSkills_CognitiveSkills]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[CTGameCognitiveSkills] WITH NOCHECK ADD CONSTRAINT [FK_GameCognitiveSkills_CognitiveSkills]
FOREIGN KEY([CognitiveSkillID])
REFERENCES [dbo].[CTCognitiveSkills] ([CognitiveSkillID])
GO
ALTER TABLE [dbo].[CTGameCognitiveSkills] CHECK CONSTRAINT [FK_GameCognitiveSkills_CognitiveSkills]
GO
/****** Object: ForeignKey [FK_GameCognitiveSkills_Games]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[CTGameCognitiveSkills] WITH NOCHECK ADD CONSTRAINT [FK_GameCognitiveSkills_Games] FOREIGN
KEY([GameID])
REFERENCES [dbo].[CTGames] ([GameID])
GO
ALTER TABLE [dbo].[CTGameCognitiveSkills] CHECK CONSTRAINT [FK_GameCognitiveSkills_Games]
GO
/****** Object: ForeignKey [FK_CTGameMetrics_CTGames]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[CTGameMetrics] WITH NOCHECK ADD CONSTRAINT [FK_CTGameMetrics_CTGames] FOREIGN
KEY([GameID])
REFERENCES [dbo].[CTGames] ([GameID])
GO
ALTER TABLE [dbo].[CTGameMetrics] CHECK CONSTRAINT [FK_CTGameMetrics_CTGames]
GO
/****** Object: ForeignKey [FK_CTGameMetrics_CTMetrics]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[CTGameMetrics] WITH CHECK ADD CONSTRAINT [FK_CTGameMetrics_CTMetrics] FOREIGN
KEY([MetricID])
REFERENCES [dbo].[CTMetrics] ([MetricID])
GO
ALTER TABLE [dbo].[CTGameMetrics] CHECK CONSTRAINT [FK_CTGameMetrics_CTMetrics]
GO
/****** Object: ForeignKey [FK_CTGameParameterAvailableValues_CTDementiaLevels]  Script Date: 10/17/2011 12:50:57
*****/
ALTER TABLE [dbo].[CTGameParameterAvailableValues] WITH CHECK ADD CONSTRAINT
[FK_CTGameParameterAvailableValues_CTDementiaLevels] FOREIGN KEY([DementiaLevelID])
REFERENCES [dbo].[CTDementiaLevels] ([DementiaLevelID])
GO
ALTER TABLE [dbo].[CTGameParameterAvailableValues] CHECK CONSTRAINT
[FK_CTGameParameterAvailableValues_CTDementiaLevels]
GO
/****** Object: ForeignKey [FK_CTGameParameterAvailableValues_CTGameParameters]  Script Date: 10/17/2011 12:50:57
*****/
ALTER TABLE [dbo].[CTGameParameterAvailableValues] WITH CHECK ADD CONSTRAINT
[FK_CTGameParameterAvailableValues_CTGameParameters] FOREIGN KEY([GameParameterID])
REFERENCES [dbo].[CTGameParameters] ([GameParameterID])
GO
ALTER TABLE [dbo].[CTGameParameterAvailableValues] CHECK CONSTRAINT
[FK_CTGameParameterAvailableValues_CTGameParameters]
GO
/****** Object: ForeignKey [FK_GameParameters_Games]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[CTGameParameters] WITH NOCHECK ADD CONSTRAINT [FK_GameParameters_Games] FOREIGN
KEY([GameID])
REFERENCES [dbo].[CTGames] ([GameID])
GO
ALTER TABLE [dbo].[CTGameParameters] CHECK CONSTRAINT [FK_GameParameters_Games]
GO
/****** Object: ForeignKey [FK_CTGameParameterGroupValues_CTGameParameters]  Script Date: 10/17/2011 12:50:57
*****/
ALTER TABLE [dbo].[CTGameParameterValues] WITH NOCHECK ADD CONSTRAINT
[FK_CTGameParameterGroupValues_CTGameParameters] FOREIGN KEY([GameParameterID])
REFERENCES [dbo].[CTGameParameters] ([GameParameterID])
GO
ALTER TABLE [dbo].[CTGameParameterValues] CHECK CONSTRAINT [FK_CTGameParameterGroupValues_CTGameParameters]
GO
/****** Object: ForeignKey [FK_CTGameParameterValues_CTActivities]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[CTGameParameterValues] WITH NOCHECK ADD CONSTRAINT [FK_CTGameParameterValues_CTActivities]
FOREIGN KEY([ActivityID])
```



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```
REFERENCES [dbo].[CTSessionGames] ([ActivityID])
GO
ALTER TABLE [dbo].[CTGameParameterValues] CHECK CONSTRAINT [FK_CTGameParameterValues_CTActivities]
GO
/***** Object: ForeignKey [FK_GameThemeAttributes_GameParameters]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[CTGameParameterValues] WITH NOCHECK ADD CONSTRAINT
[FK_GameThemeAttributes_GameParameters] FOREIGN KEY([GameParameterID])
REFERENCES [dbo].[CTGameParameters] ([GameParameterID])
GO
ALTER TABLE [dbo].[CTGameParameterValues] CHECK CONSTRAINT [FK_GameThemeAttributes_GameParameters]
GO
/***** Object: ForeignKey [FK_CTGameResources_CTGameResourcesGroups]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[CTGameResources] WITH CHECK ADD CONSTRAINT [FK_CTGameResources_CTGameResourcesGroups]
FOREIGN KEY([GameResourceItemID])
REFERENCES [dbo].[CTGameResourcesItems] ([GameResourceItemID])
GO
ALTER TABLE [dbo].[CTGameResources] CHECK CONSTRAINT [FK_CTGameResources_CTGameResourcesGroups]
GO
/***** Object: ForeignKey [FK_CTGameResources_CTGameResourceTypes]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[CTGameResources] WITH NOCHECK ADD CONSTRAINT [FK_CTGameResources_CTGameResourceTypes]
FOREIGN KEY([GameResourceTypeID])
REFERENCES [dbo].[CTGameResourceTypes] ([CTGameResourceTypeID])
GO
ALTER TABLE [dbo].[CTGameResources] CHECK CONSTRAINT [FK_CTGameResources_CTGameResourceTypes]
GO
/***** Object: ForeignKey [FK_CTGameResources_GEPatients]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[CTGameResources] WITH CHECK ADD CONSTRAINT [FK_CTGameResources_GEPatients] FOREIGN
KEY([PatientID])
REFERENCES [dbo].[GEPatients] ([PatientID])
GO
ALTER TABLE [dbo].[CTGameResources] CHECK CONSTRAINT [FK_CTGameResources_GEPatients]
GO
/***** Object: ForeignKey [FK_CTGameResourcesItems_CTGameResourcesGroup]  Script Date: 10/17/2011 12:50:57
*****/
ALTER TABLE [dbo].[CTGameResourcesItems] WITH NOCHECK ADD CONSTRAINT
[FK_CTGameResourcesItems_CTGameResourcesGroup] FOREIGN KEY([GameResourceGroupID])
REFERENCES [dbo].[CTGameResourcesGroup] ([GameResourcesGroupID])
GO
ALTER TABLE [dbo].[CTGameResourcesItems] CHECK CONSTRAINT [FK_CTGameResourcesItems_CTGameResourcesGroup]
GO
/***** Object: ForeignKey [FK_CTGameResourcesItems_CTGames]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[CTGameResourcesItems] WITH NOCHECK ADD CONSTRAINT [FK_CTGameResourcesItems_CTGames]
FOREIGN KEY([GameID])
REFERENCES [dbo].[CTGames] ([GameID])
GO
ALTER TABLE [dbo].[CTGameResourcesItems] CHECK CONSTRAINT [FK_CTGameResourcesItems_CTGames]
GO
/***** Object: ForeignKey [FK_CTGroups_CTPeriods]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[CTGroups] WITH CHECK ADD CONSTRAINT [FK_CTGroups_CTPeriods] FOREIGN KEY([PeriodID])
REFERENCES [dbo].[CTPeriods] ([PeriodID])
GO
ALTER TABLE [dbo].[CTGroups] CHECK CONSTRAINT [FK_CTGroups_CTPeriods]
GO
/***** Object: ForeignKey [FK_CTGroups_CTPrograms]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[CTGroups] WITH CHECK ADD CONSTRAINT [FK_CTGroups_CTPrograms] FOREIGN KEY([ProgramID])
REFERENCES [dbo].[CTPrograms] ([ProgramID])
GO
ALTER TABLE [dbo].[CTGroups] CHECK CONSTRAINT [FK_CTGroups_CTPrograms]
GO
/***** Object: ForeignKey [FK_CTPatientCognitiveSkills_CTCognitiveSkills]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[CTPatientCognitiveSkills] WITH NOCHECK ADD CONSTRAINT
[FK_CTPatientCognitiveSkills_CTCognitiveSkills] FOREIGN KEY([CognitiveSkillID])
REFERENCES [dbo].[CTCognitiveSkills] ([CognitiveSkillID])
GO
ALTER TABLE [dbo].[CTPatientCognitiveSkills] CHECK CONSTRAINT [FK_CTPatientCognitiveSkills_CTCognitiveSkills]
GO
/***** Object: ForeignKey [FK_CTPatientCognitiveSkills_GEPatients]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[CTPatientCognitiveSkills] WITH CHECK ADD CONSTRAINT [FK_CTPatientCognitiveSkills_GEPatients]
FOREIGN KEY([PatientID])
REFERENCES [dbo].[GEPatients] ([PatientID])
GO
```

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```
ALTER TABLE [dbo].[CTPatientCognitiveSkills] CHECK CONSTRAINT [FK_CTPatientCognitiveSkills_GEPatients]
GO
/***** Object: ForeignKey [FK_CTPatientSessions_CTSessions]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[CTPatientSessions] WITH CHECK ADD CONSTRAINT [FK_CTPatientSessions_CTSessions] FOREIGN
KEY([SessionID])
REFERENCES [dbo].[CTSessions] ([SessionID])
GO
ALTER TABLE [dbo].[CTPatientSessions] CHECK CONSTRAINT [FK_CTPatientSessions_CTSessions]
GO
/***** Object: ForeignKey [FK_CTPatientSessions_GEPatients]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[CTPatientSessions] WITH CHECK ADD CONSTRAINT [FK_CTPatientSessions_GEPatients] FOREIGN
KEY([PatientID])
REFERENCES [dbo].[GEPatients] ([PatientID])
GO
ALTER TABLE [dbo].[CTPatientSessions] CHECK CONSTRAINT [FK_CTPatientSessions_GEPatients]
GO
/***** Object: ForeignKey [FK_CTPatientTest_CCTests]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[CTPatientTest] WITH CHECK ADD CONSTRAINT [FK_CTPatientTest_CCTests] FOREIGN KEY([TestID])
REFERENCES [dbo].[CCTests] ([TestID])
GO
ALTER TABLE [dbo].[CTPatientTest] CHECK CONSTRAINT [FK_CTPatientTest_CCTests]
GO
/***** Object: ForeignKey [FK_CTPatientTest_GEPatients]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[CTPatientTest] WITH CHECK ADD CONSTRAINT [FK_CTPatientTest_GEPatients] FOREIGN KEY([PatientID])
REFERENCES [dbo].[GEPatients] ([PatientID])
GO
ALTER TABLE [dbo].[CTPatientTest] CHECK CONSTRAINT [FK_CTPatientTest_GEPatients]
GO
/***** Object: ForeignKey [FK_CTPatientTestResults_CTPatientTest]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[CTPatientTestResults] WITH CHECK ADD CONSTRAINT [FK_CTPatientTestResults_CTPatientTest] FOREIGN
KEY([PatientTestID])
REFERENCES [dbo].[CTPatientTest] ([PatientTestID])
GO
ALTER TABLE [dbo].[CTPatientTestResults] CHECK CONSTRAINT [FK_CTPatientTestResults_CTPatientTest]
GO
/***** Object: ForeignKey [FK_CTPatientTestResults_CCTestQuestions]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[CTPatientTestResults] WITH CHECK ADD CONSTRAINT [FK_CTPatientTestResults_CCTestQuestions]
FOREIGN KEY([QuestionID])
REFERENCES [dbo].[CCTestQuestions] ([QuestionID])
GO
ALTER TABLE [dbo].[CTPatientTestResults] CHECK CONSTRAINT [FK_CTPatientTestResults_CCTestQuestions]
GO
/***** Object: ForeignKey [FK_CTPatientPrograms_CTPrograms1]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[CTPatientTrainings] WITH CHECK ADD CONSTRAINT [FK_CTPatientPrograms_CTPrograms1] FOREIGN
KEY([ProgramID])
REFERENCES [dbo].[CTTrainings] ([ProgramID])
GO
ALTER TABLE [dbo].[CTPatientTrainings] CHECK CONSTRAINT [FK_CTPatientPrograms_CTPrograms1]
GO
/***** Object: ForeignKey [FK_CTPatientPrograms_GEPatients]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[CTPatientTrainings] WITH CHECK ADD CONSTRAINT [FK_CTPatientPrograms_GEPatients] FOREIGN
KEY([PatientID])
REFERENCES [dbo].[GEPatients] ([PatientID])
GO
ALTER TABLE [dbo].[CTPatientTrainings] CHECK CONSTRAINT [FK_CTPatientPrograms_GEPatients]
GO
/***** Object: ForeignKey [FK_CTPrograms_GECareCenters]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[CTPrograms] WITH CHECK ADD CONSTRAINT [FK_CTPrograms_GECareCenters] FOREIGN
KEY([CareCenterID])
REFERENCES [dbo].[GECareCenters] ([CareCenterID])
GO
ALTER TABLE [dbo].[CTPrograms] CHECK CONSTRAINT [FK_CTPrograms_GECareCenters]
GO
/***** Object: ForeignKey [FK_TrainingActivities_Games]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[CTSessionGames] WITH NOCHECK ADD CONSTRAINT [FK_TrainingActivities_Games] FOREIGN
KEY([GameID])
REFERENCES [dbo].[CTGames] ([GameID])
GO
ALTER TABLE [dbo].[CTSessionGames] CHECK CONSTRAINT [FK_TrainingActivities_Games]
GO
/***** Object: ForeignKey [FK_TrainingActivities_TrainingSessions]  Script Date: 10/17/2011 12:50:57 *****/
```

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```
ALTER TABLE [dbo].[CTSessionGames] WITH NOCHECK ADD CONSTRAINT [FK_TrainingActivities_TrainingSessions] FOREIGN
KEY([SessionID])
REFERENCES [dbo].[CTSessions] ([SessionID])
GO
ALTER TABLE [dbo].[CTSessionGames] CHECK CONSTRAINT [FK_TrainingActivities_TrainingSessions]
GO
/***** Object: ForeignKey [FK_CTSessions_BOPersonnel] Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[CTSessions] WITH NOCHECK ADD CONSTRAINT [FK_CTSessions_BOPersonnel] FOREIGN
KEY([PersonnelID])
REFERENCES [dbo].[BOPersonnel] ([PersonnelID])
GO
ALTER TABLE [dbo].[CTSessions] CHECK CONSTRAINT [FK_CTSessions_BOPersonnel]
GO
/***** Object: ForeignKey [FK_CTSessions_GEDevices] Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[CTSessions] WITH CHECK ADD CONSTRAINT [FK_CTSessions_GEDevices] FOREIGN KEY([DeviceID])
REFERENCES [dbo].[GEDevices] ([DeviceID])
GO
ALTER TABLE [dbo].[CTSessions] CHECK CONSTRAINT [FK_CTSessions_GEDevices]
GO
/***** Object: ForeignKey [FK_TrainingSessions_TrainingPrograms] Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[CTSessions] WITH NOCHECK ADD CONSTRAINT [FK_TrainingSessions_TrainingPrograms] FOREIGN
KEY([ProgramID])
REFERENCES [dbo].[CTTrainings] ([ProgramID])
GO
ALTER TABLE [dbo].[CTSessions] CHECK CONSTRAINT [FK_TrainingSessions_TrainingPrograms]
GO
/***** Object: ForeignKey [FK_CCTemplateCognitiveSkills_CTCognitiveSkills] Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[CCTemplateCognitiveSkills] WITH NOCHECK ADD CONSTRAINT
[FK_CCTemplateCognitiveSkills_CTCognitiveSkills] FOREIGN KEY([CognitiveSkillID])
REFERENCES [dbo].[CTCognitiveSkills] ([CognitiveSkillID])
GO
ALTER TABLE [dbo].[CCTemplateCognitiveSkills] CHECK CONSTRAINT [FK_CCTemplateCognitiveSkills_CTCognitiveSkills]
GO
/***** Object: ForeignKey [FK_CCTemplateCognitiveSkills_CCTemplates] Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[CCTemplateCognitiveSkills] WITH CHECK ADD CONSTRAINT [FK_CCTemplateCognitiveSkills_CCTemplates]
FOREIGN KEY([TemplateID])
REFERENCES [dbo].[CCTemplates] ([TemplateID])
GO
ALTER TABLE [dbo].[CCTemplateCognitiveSkills] CHECK CONSTRAINT [FK_CCTemplateCognitiveSkills_CCTemplates]
GO
/***** Object: ForeignKey [FK_CCTestQuestions_CCTests] Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[CCTestQuestions] WITH CHECK ADD CONSTRAINT [FK_CCTestQuestions_CCTests] FOREIGN KEY([TestID])
REFERENCES [dbo].[CCTests] ([TestID])
GO
ALTER TABLE [dbo].[CCTestQuestions] CHECK CONSTRAINT [FK_CCTestQuestions_CCTests]
GO
/***** Object: ForeignKey [FK_CCTrainings_CTGroups] Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[CCTrainings] WITH CHECK ADD CONSTRAINT [FK_CCTrainings_CTGroups] FOREIGN KEY([GroupID])
REFERENCES [dbo].[CTGroups] ([GroupID])
GO
ALTER TABLE [dbo].[CCTrainings] CHECK CONSTRAINT [FK_CCTrainings_CTGroups]
GO
/***** Object: ForeignKey [FK_TrainingPrograms_CareCenters] Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[CCTrainings] WITH NOCHECK ADD CONSTRAINT [FK_TrainingPrograms_CareCenters] FOREIGN
KEY([CareCenterID])
REFERENCES [dbo].[GECareCenters] ([CareCenterID])
GO
ALTER TABLE [dbo].[CCTrainings] CHECK CONSTRAINT [FK_TrainingPrograms_CareCenters]
GO
/***** Object: ForeignKey [FK_CareCenters_Countries] Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[GECareCenters] WITH NOCHECK ADD CONSTRAINT [FK_CareCenters_Countries] FOREIGN
KEY([CountryID])
REFERENCES [dbo].[GECountries] ([CountryID])
GO
ALTER TABLE [dbo].[GECareCenters] CHECK CONSTRAINT [FK_CareCenters_Countries]
GO
/***** Object: ForeignKey [Relationship4] Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[GECareCenters] WITH NOCHECK ADD CONSTRAINT [Relationship4] FOREIGN KEY([CityID])
REFERENCES [dbo].[GECities] ([CityID])
GO
ALTER TABLE [dbo].[GECareCenters] CHECK CONSTRAINT [Relationship4]
```

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```
GO
/***** Object: ForeignKey [Relationship3]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[GECities] WITH NOCHECK ADD CONSTRAINT [Relationship3] FOREIGN KEY([RegionID])
REFERENCES [dbo].[GERegions] ([RegionID])
GO
ALTER TABLE [dbo].[GECities] CHECK CONSTRAINT [Relationship3]
GO
/***** Object: ForeignKey [FK_GEDevices_GECareCenters]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[GEDevices] WITH CHECK ADD CONSTRAINT [FK_GEDevices_GECareCenters] FOREIGN KEY([CareCenterID])
REFERENCES [dbo].[GECareCenters] ([CareCenterID])
GO
ALTER TABLE [dbo].[GEDevices] CHECK CONSTRAINT [FK_GEDevices_GECareCenters]
GO
/***** Object: ForeignKey [FK_GEDevices_GEDeviceTypes]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[GEDevices] WITH CHECK ADD CONSTRAINT [FK_GEDevices_GEDeviceTypes] FOREIGN KEY([DeviceTypeID])
REFERENCES [dbo].[GEDeviceTypes] ([DeviceTypeID])
GO
ALTER TABLE [dbo].[GEDevices] CHECK CONSTRAINT [FK_GEDevices_GEDeviceTypes]
GO
/***** Object: ForeignKey [FK_GEDevices_GEPatients]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[GEDevices] WITH CHECK ADD CONSTRAINT [FK_GEDevices_GEPatients] FOREIGN KEY([PatientID])
REFERENCES [dbo].[GEPatients] ([PatientID])
GO
ALTER TABLE [dbo].[GEDevices] CHECK CONSTRAINT [FK_GEDevices_GEPatients]
GO
/***** Object: ForeignKey [FK_PatientContacts_Patients]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[GEPatientContacts] WITH CHECK ADD CONSTRAINT [FK_PatientContacts_Patients] FOREIGN
KEY([PatientID])
REFERENCES [dbo].[GEPatients] ([PatientID])
GO
ALTER TABLE [dbo].[GEPatientContacts] CHECK CONSTRAINT [FK_PatientContacts_Patients]
GO
/***** Object: ForeignKey [FK_GEPatientPersonnel_BOPersonnel]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[GEPatientPersonnel] WITH CHECK ADD CONSTRAINT [FK_GEPatientPersonnel_BOPersonnel] FOREIGN
KEY([PersonnelID])
REFERENCES [dbo].[BOPersonnel] ([PersonnelID])
GO
ALTER TABLE [dbo].[GEPatientPersonnel] CHECK CONSTRAINT [FK_GEPatientPersonnel_BOPersonnel]
GO
/***** Object: ForeignKey [FK_GEPatientPersonnel_GEPatients]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[GEPatientPersonnel] WITH CHECK ADD CONSTRAINT [FK_GEPatientPersonnel_GEPatients] FOREIGN
KEY([PatientID])
REFERENCES [dbo].[GEPatients] ([PatientID])
GO
ALTER TABLE [dbo].[GEPatientPersonnel] CHECK CONSTRAINT [FK_GEPatientPersonnel_GEPatients]
GO
/***** Object: ForeignKey [FK_GEPatients_BOUsers]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[GEPatients] WITH CHECK ADD CONSTRAINT [FK_GEPatients_BOUsers] FOREIGN KEY([UserID])
REFERENCES [dbo].[BOUsers] ([UserID])
GO
ALTER TABLE [dbo].[GEPatients] CHECK CONSTRAINT [FK_GEPatients_BOUsers]
GO
/***** Object: ForeignKey [FK_GEPatients_CTDementiaLevels]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[GEPatients] WITH CHECK ADD CONSTRAINT [FK_GEPatients_CTDementiaLevels] FOREIGN
KEY([DementiaLevelID])
REFERENCES [dbo].[CTDementiaLevels] ([DementiaLevelID])
GO
ALTER TABLE [dbo].[GEPatients] CHECK CONSTRAINT [FK_GEPatients_CTDementiaLevels]
GO
/***** Object: ForeignKey [FK_GEPatients_CTGroups]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[GEPatients] WITH CHECK ADD CONSTRAINT [FK_GEPatients_CTGroups] FOREIGN KEY([GroupID])
REFERENCES [dbo].[CTGroups] ([GroupID])
GO
ALTER TABLE [dbo].[GEPatients] CHECK CONSTRAINT [FK_GEPatients_CTGroups]
GO
/***** Object: ForeignKey [FK_GEPatients_GEAcademicLevels]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[GEPatients] WITH NOCHECK ADD CONSTRAINT [FK_GEPatients_GEAcademicLevels] FOREIGN
KEY([AcademicLevelID])
REFERENCES [dbo].[GEAcademicLevels] ([AcademicLevelID])
GO
ALTER TABLE [dbo].[GEPatients] CHECK CONSTRAINT [FK_GEPatients_GEAcademicLevels]
```

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```
GO
/***** Object: ForeignKey [FK_GEPatients_GECareCenters]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[GEPatients] WITH CHECK ADD CONSTRAINT [FK_GEPatients_GECareCenters] FOREIGN
KEY([CareCenterID])
REFERENCES [dbo].[GECareCenters] ([CareCenterID])
GO
ALTER TABLE [dbo].[GEPatients] CHECK CONSTRAINT [FK_GEPatients_GECareCenters]
GO
/***** Object: ForeignKey [FK_GEPatients_GECities_BirthCity]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[GEPatients] WITH NOCHECK ADD CONSTRAINT [FK_GEPatients_GECities_BirthCity] FOREIGN
KEY([BirthCityID])
REFERENCES [dbo].[GECities] ([CityID])
GO
ALTER TABLE [dbo].[GEPatients] CHECK CONSTRAINT [FK_GEPatients_GECities_BirthCity]
GO
/***** Object: ForeignKey [FK_GEPatients_GECities_Residence]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[GEPatients] WITH NOCHECK ADD CONSTRAINT [FK_GEPatients_GECities_Residence] FOREIGN
KEY([ResidenceCityID])
REFERENCES [dbo].[GECities] ([CityID])
GO
ALTER TABLE [dbo].[GEPatients] CHECK CONSTRAINT [FK_GEPatients_GECities_Residence]
GO
/***** Object: ForeignKey [FK_GEPatients_GEProfessions]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[GEPatients] WITH CHECK ADD CONSTRAINT [FK_GEPatients_GEProfessions] FOREIGN KEY([ProfessionID])
REFERENCES [dbo].[GEProfessions] ([ProfessionID])
GO
ALTER TABLE [dbo].[GEPatients] CHECK CONSTRAINT [FK_GEPatients_GEProfessions]
GO
/***** Object: ForeignKey [Relationship2]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[GERegions] WITH NOCHECK ADD CONSTRAINT [Relationship2] FOREIGN KEY([CountryID])
REFERENCES [dbo].[GECountries] ([CountryID])
GO
ALTER TABLE [dbo].[GERegions] CHECK CONSTRAINT [Relationship2]
GO
/***** Object: ForeignKey [FK_GESurfaceTag_BOUsers]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[GESurfaceTag] WITH CHECK ADD CONSTRAINT [FK_GESurfaceTag_BOUsers] FOREIGN KEY([UserID])
REFERENCES [dbo].[BOUsers] ([UserID])
GO
ALTER TABLE [dbo].[GESurfaceTag] CHECK CONSTRAINT [FK_GESurfaceTag_BOUsers]
GO
/***** Object: ForeignKey [FK_GESurfaceTag_CTGameResources]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[GESurfaceTag] WITH CHECK ADD CONSTRAINT [FK_GESurfaceTag_CTGameResources] FOREIGN
KEY([ResourceID])
REFERENCES [dbo].[CTGameResources] ([GameResourceID])
GO
ALTER TABLE [dbo].[GESurfaceTag] CHECK CONSTRAINT [FK_GESurfaceTag_CTGameResources]
GO
/***** Object: ForeignKey [FK_GESync_GEDevices]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[GESync] WITH CHECK ADD CONSTRAINT [FK_GESync_GEDevices] FOREIGN KEY([DeviceID])
REFERENCES [dbo].[GEDevices] ([DeviceID])
GO
ALTER TABLE [dbo].[GESync] CHECK CONSTRAINT [FK_GESync_GEDevices]
GO
/***** Object: ForeignKey [FK_GESync_GESyncTables]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[GESync] WITH CHECK ADD CONSTRAINT [FK_GESync_GESyncTables] FOREIGN KEY([SyncTableID])
REFERENCES [dbo].[GESyncTables] ([SyncTableID])
GO
ALTER TABLE [dbo].[GESync] CHECK CONSTRAINT [FK_GESync_GESyncTables]
GO
/***** Object: ForeignKey [FK_AssessmentPatient]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[SAAssessment] WITH CHECK ADD CONSTRAINT [FK_AssessmentPatient] FOREIGN KEY([PatientID])
REFERENCES [dbo].[GEPatients] ([PatientID])
GO
ALTER TABLE [dbo].[SAAssessment] CHECK CONSTRAINT [FK_AssessmentPatient]
GO
/***** Object: ForeignKey [FK_BookPatients]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[SABookOfLifePatients] WITH CHECK ADD CONSTRAINT [FK_BookPatients] FOREIGN KEY([BookOfLifeID])
REFERENCES [dbo].[SABooksOfLife] ([BookOfLifeID])
GO
ALTER TABLE [dbo].[SABookOfLifePatients] CHECK CONSTRAINT [FK_BookPatients]
GO
```

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```
/****** Object: ForeignKey [FK_SABookOfLifePatients_GEPatients]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[SABookOfLifePatients] WITH CHECK ADD CONSTRAINT [FK_SABookOfLifePatients_GEPatients] FOREIGN
KEY([PatientID])
REFERENCES [dbo].[GEPatients] ([PatientID])
GO
ALTER TABLE [dbo].[SABookOfLifePatients] CHECK CONSTRAINT [FK_SABookOfLifePatients_GEPatients]
GO
/****** Object: ForeignKey [FK_BookOfLifePatient]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[SABooksOfLife] WITH CHECK ADD CONSTRAINT [FK_BookOfLifePatient] FOREIGN KEY([OwnerPatientID])
REFERENCES [dbo].[GEPatients] ([PatientID])
GO
ALTER TABLE [dbo].[SABooksOfLife] CHECK CONSTRAINT [FK_BookOfLifePatient]
GO
/****** Object: ForeignKey [FK_BookOfLifePersonnel]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[SABooksOfLife] WITH CHECK ADD CONSTRAINT [FK_BookOfLifePersonnel] FOREIGN
KEY([OwnerPersonnelID])
REFERENCES [dbo].[BOPersonnel] ([PersonnelID])
GO
ALTER TABLE [dbo].[SABooksOfLife] CHECK CONSTRAINT [FK_BookOfLifePersonnel]
GO
/****** Object: ForeignKey [FK_SAFriends_GEPatients_1]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[SAFriends] WITH CHECK ADD CONSTRAINT [FK_SAFriends_GEPatients_1] FOREIGN KEY([User1ID])
REFERENCES [dbo].[GEPatients] ([PatientID])
GO
ALTER TABLE [dbo].[SAFriends] CHECK CONSTRAINT [FK_SAFriends_GEPatients_1]
GO
/****** Object: ForeignKey [FK_SAFriends_GEPatients_2]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[SAFriends] WITH CHECK ADD CONSTRAINT [FK_SAFriends_GEPatients_2] FOREIGN KEY([User2ID])
REFERENCES [dbo].[GEPatients] ([PatientID])
GO
ALTER TABLE [dbo].[SAFriends] CHECK CONSTRAINT [FK_SAFriends_GEPatients_2]
GO
/****** Object: ForeignKey [FK_PagesOfBookBookOfLife]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[SAPagesOfBook] WITH CHECK ADD CONSTRAINT [FK_PagesOfBookBookOfLife] FOREIGN
KEY([BookOfLifeID])
REFERENCES [dbo].[SABooksOfLife] ([BookOfLifeID])
GO
ALTER TABLE [dbo].[SAPagesOfBook] CHECK CONSTRAINT [FK_PagesOfBookBookOfLife]
GO
/****** Object: ForeignKey [Relationship30]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[SAPagesOfBook] WITH CHECK ADD CONSTRAINT [Relationship30] FOREIGN KEY([VisibilityID])
REFERENCES [dbo].[SAVisibility] ([VisibilityID])
GO
ALTER TABLE [dbo].[SAPagesOfBook] CHECK CONSTRAINT [Relationship30]
GO
/****** Object: ForeignKey [FK_SAPatientHobbies_GEPatients]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[SAPatientHobbies] WITH CHECK ADD CONSTRAINT [FK_SAPatientHobbies_GEPatients] FOREIGN
KEY([PatientID])
REFERENCES [dbo].[GEPatients] ([PatientID])
GO
ALTER TABLE [dbo].[SAPatientHobbies] CHECK CONSTRAINT [FK_SAPatientHobbies_GEPatients]
GO
/****** Object: ForeignKey [FK_SAPatientHobbies_SAHobbies]  Script Date: 10/17/2011 12:50:57 *****/
ALTER TABLE [dbo].[SAPatientHobbies] WITH CHECK ADD CONSTRAINT [FK_SAPatientHobbies_SAHobbies] FOREIGN
KEY([HobbyID])
REFERENCES [dbo].[SAHobbies] ([HobbyID])
GO
ALTER TABLE [dbo].[SAPatientHobbies] CHECK CONSTRAINT [FK_SAPatientHobbies_SAHobbies]
GO
```

## Appendix 4: SQL Tables Definitions of the Book-of-Life

### The SQL Visibility table

```
USE [sociableAzure]
GO
/***** Object: Table [dbo].[SAVisibility]      Script Date:
10/18/2011 13:38:10 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[SAVisibility](
    [VisibilityID] [int] IDENTITY(1,1) NOT NULL,
    [Description] [nvarchar](200) NULL,
    CONSTRAINT [VisibilityID] PRIMARY KEY CLUSTERED
(
    [VisibilityID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF,
IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS
= ON) ON [PRIMARY]
) ON [PRIMARY]
GO
```

### The SQL Friends table

```
/***** Object: Table [dbo].[SAFriends]      Script Date:
10/18/2011 13:38:10 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[SAFriends](
    [FriendID] [int] IDENTITY(1,1) NOT NULL,
    [User1ID] [int] NULL,
    [User2ID] [int] NULL,
    [Blocked] [bit] NULL,
    [Accepted] [bit] NULL,
    [FriendshipDate] [date] NULL,
    CONSTRAINT [FriendID] PRIMARY KEY CLUSTERED
(
    [FriendID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF,
IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS
= ON) ON [PRIMARY]
) ON [PRIMARY]
GO
```

### **The SQL Book of life table**

```
/****** Object: Table [dbo].[SABooksOfLife] Script Date:
10/18/2011 13:38:10 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[SABooksOfLife] (
    [BookOfLifeID] [int] IDENTITY(1,1) NOT NULL,
    [Multiple] [bit] NULL,
    [VisibilityID] [int] NULL,
    [OwnerPatientID] [int] NULL,
    [OwnerPersonnelID] [int] NULL,
    [CreationDate] [date] NULL,
    [Cover] [ntext] NULL,
    CONSTRAINT [PK_BooksOfLife] PRIMARY KEY CLUSTERED
(
    [BookOfLifeID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF,
IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS
= ON) ON [PRIMARY]
) ON [PRIMARY] TEXTIMAGE_ON [PRIMARY]
GO
```

### **The SQL Patient Hobbies table**

```
/****** Object: Table [dbo].[SAPatientHobbies] Script
Date: 10/18/2011 13:38:10 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[SAPatientHobbies] (
    [PatientHobbyID] [int] IDENTITY(1,1) NOT NULL,
    [HobbyID] [int] NOT NULL,
    [PatientID] [int] NOT NULL,
    CONSTRAINT [PK_PatientHobbyID] PRIMARY KEY CLUSTERED
(
    [PatientHobbyID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF,
IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS
= ON) ON [PRIMARY]
) ON [PRIMARY]
GO
```



### **The SQL Hobbies table**

```
/****** Object: Table [dbo].[SAHobbies] Script Date:
10/18/2011 13:38:10 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[SAHobbies] (
    [HobbyID] [int] IDENTITY(1,1) NOT NULL,
    [DescriptionEN] [nvarchar](100) NULL,
    [DescriptionIT] [nvarchar](100) NULL,
    [DescriptionES] [nvarchar](100) NULL,
    [DescriptionNO] [nvarchar](100) NULL,
    [DescriptionGR] [nvarchar](100) NULL,
    CONSTRAINT [HobbyID] PRIMARY KEY CLUSTERED
(
    [HobbyID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF,
IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS
= ON) ON [PRIMARY]
) ON [PRIMARY]
GO
```

### **The SQL Pages of Book table**

```
/****** Object: Table [dbo].[SAPagesOfBook] Script Date:
10/18/2011 13:38:10 *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[SAPagesOfBook] (
    [PagesOfBookID] [int] IDENTITY(1,1) NOT NULL,
    [Number] [int] NULL,
    [Title] [ntext] NULL,
    [Text] [ntext] NULL,
    [Image] [ntext] NULL,
    [VisibilityID] [int] NULL,
    [BookOfLifeID] [int] NULL,
    [PageDate] [date] NULL,
    [Completed] [bit] NULL,
    [Audio] [ntext] NULL,
    [Object] [ntext] NULL,
    CONSTRAINT [PagesOfBookID] PRIMARY KEY CLUSTERED
(
    [PagesOfBookID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF,
IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS
= ON) ON [PRIMARY]
) ON [PRIMARY] TEXTIMAGE_ON [PRIMARY]
GO
```

### **The SQL Book of life patients table**

```
CREATE TABLE [dbo].[SABookOfLifePatients](
    [BookOfLifePatientID] [int] IDENTITY(1,1) NOT NULL,
    [BookOfLifeID] [int] NOT NULL,
    [PatientID] [int] NOT NULL,
    CONSTRAINT [PK_BookOfLifePatientID] PRIMARY KEY CLUSTERED
(
    [BookOfLifePatientID] ASC
)WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF,
IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS = ON, ALLOW_PAGE_LOCKS
= ON) ON [PRIMARY]
) ON [PRIMARY]
GO
```

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**Relationships**

```
/****** Object: ForeignKey [FK_BookPatients]      Script Date:
10/18/2011 13:38:10 *****/
ALTER TABLE [dbo].[SABookOfLifePatients] WITH NOCHECK ADD
CONSTRAINT [FK_BookPatients] FOREIGN KEY([BookOfLifeID])
REFERENCES [dbo].[SABooksOfLife] ([BookOfLifeID])
GO
ALTER TABLE [dbo].[SABookOfLifePatients] CHECK CONSTRAINT
[FK_BookPatients]
GO
/****** Object: ForeignKey
[FK_SABookOfLifePatients_GEPatients]      Script Date:
10/18/2011 13:38:10 *****/
ALTER TABLE [dbo].[SABookOfLifePatients] WITH NOCHECK ADD
CONSTRAINT [FK_SABookOfLifePatients_GEPatients] FOREIGN
KEY([PatientID])
REFERENCES [dbo].[GEPatients] ([PatientID])
GO
ALTER TABLE [dbo].[SABookOfLifePatients] CHECK CONSTRAINT
[FK_SABookOfLifePatients_GEPatients]
GO
/****** Object: ForeignKey [FK_BookOfLifePatient]      Script
Date: 10/18/2011 13:38:10 *****/
ALTER TABLE [dbo].[SABooksOfLife] WITH NOCHECK ADD
CONSTRAINT [FK_BookOfLifePatient] FOREIGN
KEY([OwnerPatientID])
REFERENCES [dbo].[GEPatients] ([PatientID])
GO
ALTER TABLE [dbo].[SABooksOfLife] CHECK CONSTRAINT
[FK_BookOfLifePatient]
GO
/****** Object: ForeignKey [FK_BookOfLifePersonnel]      Script
Date: 10/18/2011 13:38:10 *****/
ALTER TABLE [dbo].[SABooksOfLife] WITH NOCHECK ADD
CONSTRAINT [FK_BookOfLifePersonnel] FOREIGN
KEY([OwnerPersonnelID])
REFERENCES [dbo].[BOPersonnel] ([PersonnelID])
GO
ALTER TABLE [dbo].[SABooksOfLife] CHECK CONSTRAINT
[FK_BookOfLifePersonnel]
GO
/****** Object: ForeignKey [FK_SAFriends_GEPatients_1]
Script Date: 10/18/2011 13:38:10 *****/
ALTER TABLE [dbo].[SAFriends] WITH NOCHECK ADD CONSTRAINT
[FK_SAFriends_GEPatients_1] FOREIGN KEY([User1ID])
REFERENCES [dbo].[GEPatients] ([PatientID])
GO
ALTER TABLE [dbo].[SAFriends] CHECK CONSTRAINT
[FK_SAFriends_GEPatients_1]
GO
/****** Object: ForeignKey [FK_SAFriends_GEPatients_2]
Script Date: 10/18/2011 13:38:10 *****/
```

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```
ALTER TABLE [dbo].[SAFriends] WITH NOCHECK ADD CONSTRAINT
[FK_SAFriends_GEPatients_2] FOREIGN KEY([User2ID])
REFERENCES [dbo].[GEPatients] ([PatientID])
GO
ALTER TABLE [dbo].[SAFriends] CHECK CONSTRAINT
[FK_SAFriends_GEPatients_2]
GO
/***** Object: ForeignKey [FK_PagesOfBookBookOfLife]
Script Date: 10/18/2011 13:38:10 *****/
ALTER TABLE [dbo].[SAPagesOfBook] WITH NOCHECK ADD
CONSTRAINT [FK_PagesOfBookBookOfLife] FOREIGN
KEY([BookOfLifeID])
REFERENCES [dbo].[SABooksOfLife] ([BookOfLifeID])
GO
ALTER TABLE [dbo].[SAPagesOfBook] CHECK CONSTRAINT
[FK_PagesOfBookBookOfLife]
GO
/***** Object: ForeignKey [Relationship30] Script Date:
10/18/2011 13:38:10 *****/
ALTER TABLE [dbo].[SAPagesOfBook] WITH NOCHECK ADD
CONSTRAINT [Relationship30] FOREIGN KEY([VisibilityID])
REFERENCES [dbo].[SAVisibility] ([VisibilityID])
GO
ALTER TABLE [dbo].[SAPagesOfBook] CHECK CONSTRAINT
[Relationship30]
GO
/***** Object: ForeignKey [FK_SAPatientHobbies_GEPatients]
Script Date: 10/18/2011 13:38:10 *****/
ALTER TABLE [dbo].[SAPatientHobbies] WITH NOCHECK ADD
CONSTRAINT [FK_SAPatientHobbies_GEPatients] FOREIGN
KEY([PatientID])
REFERENCES [dbo].[GEPatients] ([PatientID])
GO
ALTER TABLE [dbo].[SAPatientHobbies] CHECK CONSTRAINT
[FK_SAPatientHobbies_GEPatients]
GO
/***** Object: ForeignKey [FK_SAPatientHobbies_SAHobbies]
Script Date: 10/18/2011 13:38:10 *****/
ALTER TABLE [dbo].[SAPatientHobbies] WITH NOCHECK ADD
CONSTRAINT [FK_SAPatientHobbies_SAHobbies] FOREIGN
KEY([HobbyID])
REFERENCES [dbo].[SAHobbies] ([HobbyID])
GO
ALTER TABLE [dbo].[SAPatientHobbies] CHECK CONSTRAINT
[FK_SAPatientHobbies_SAHobbies]
GO
```