ОПИСАНИЕ СУЩНОСТЕЙ

Словесное описание сущностей

Игра

|  |  |  |  |
| --- | --- | --- | --- |
| Наименование | Тип | Диапазон | Длина |
| Id | INT | 0-9 | 11 |
| Name | VARCHAR | a-zA-Zа-яА-Я | 255 |

Видео

|  |  |  |  |
| --- | --- | --- | --- |
| Наименование | Тип | Диапазон | Длина |
| Id | INT | 0-9 | 11 |
| Link\_video | VARCHAR | a-zA-Z | 255 |
| Id\_game | INT | 0-9 | 11 |
| Id\_user | INT | 0-9 | 11 |

Турниры

|  |  |  |  |
| --- | --- | --- | --- |
| Наименование | Тип | Диапазон | Длина |
| Id | INT | 0-9 | 11 |
| Date | VARCHAR | 1.01-31.12 | 11 |
| Organizer | VARCHAR | a-zA-Zа-яА-Я | 255 |
| Prize\_fund | INT | 0-9 | 11 |
| Status | VACHAR | a-zA-Z | 255 |
| Id\_game | INT | 0-9 | 11 |

Новости

|  |  |  |  |
| --- | --- | --- | --- |
| Наименование | Тип | Диапазон | Длина |
| Id | INT | 0-9 | 11 |
| Title | VACHAR | a-zA-Zа-яА-Я | 255 |
| Full\_news | VACHAR | a-zA-Zа-яА-Я | 255 |
| Id\_game | INT | 0-9 | 11 |

Пользователь

|  |  |  |  |
| --- | --- | --- | --- |
| Наименование | Тип | Диапазон | Длина |
| Id | INT | 0-9 | 11 |
| Email | VARCHAR | a-zA-Z | 255 |
| Password | VARCHAR | a-zA-Z | 255 |
| Role | INT | 0-9 | 1 |

Роль пользователя

|  |  |  |  |
| --- | --- | --- | --- |
| Наименование | Тип | Диапазон | Длина |
| Id | INT | 0-9 | 11 |
| Name | VARCHAR | a-zA-Z | 255 |

Информация о пользователе

|  |  |  |  |
| --- | --- | --- | --- |
| Наименование | Тип | Диапазон | Длина |
| Id | INT | 0-9 | 11 |
| Link\_photo | VACHAR | a-zA-Z | 255 |
| About | VARCHAR | a-zA-Zа-яА-Я | 255 |

Сообщения

|  |  |  |  |
| --- | --- | --- | --- |
| Наименование | Тип | Диапазон | Длина |
| Id | INT | 0-9 | 11 |
| Id\_user | INT | 0-9 | 11 |
| Text | VACHAR | a-zA-Zа-яА-Я | 255 |
| Date | VACHAR | 0-9 | 255 |

Друзья

|  |  |  |  |
| --- | --- | --- | --- |
| Наименование | Тип | Диапазон | Длина |
| Id | INT | 0-9 | 11 |
| Id\_user | INT | 0-9 | 11 |
| Id\_user\_2 | INT | 0-9 | 11 |

Оценки

|  |  |  |  |
| --- | --- | --- | --- |
| Наименование | Тип | Диапазон | Длина |
| Id | INT | 0-9 | 11 |
| Id\_user | INT | 0-9 | 11 |
| Id\_video | INT | 0-9 | 11 |
| Assessment | VARCHAR | a-zA-Z | 255 |

Подробное описание сущностей в виде диаграмм классов

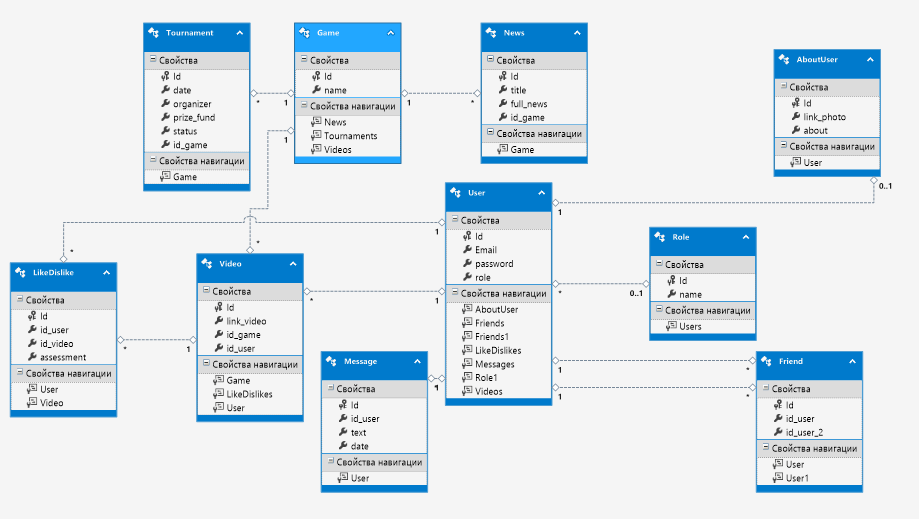


Диаграмма классов

Скрипты создания таблиц

Создание таблицы «Игра»

CREATE TABLE [dbo].[Game] (

[Id] INT NOT NULL,

[name] NVARCHAR (MAX) NOT NULL,

PRIMARY KEY CLUSTERED ([Id] ASC)

);

Создание таблицы «Видео»

CREATE TABLE [dbo].[Video] (

[Id] INT NOT NULL,

[link\_video] NVARCHAR (MAX) NOT NULL,

[id\_game] INT NOT NULL,

[id\_user] INT NOT NULL,

PRIMARY KEY CLUSTERED ([Id] ASC),

CONSTRAINT [FK\_Video\_Game] FOREIGN KEY ([id\_game]) REFERENCES [dbo].[Game] ([Id]) ON DELETE CASCADE ON UPDATE CASCADE,

CONSTRAINT [FK\_Video] FOREIGN KEY ([id\_user]) REFERENCES [dbo].[User] ([Id])

);

Создание таблицы «Турниры»

CREATE TABLE [dbo].[Tournament] (

[Id] INT NOT NULL,

[date] NVARCHAR (MAX) NOT NULL,

[organizer] NVARCHAR (MAX) NOT NULL,

[prize\_fund] INT NOT NULL,

[status] NVARCHAR (MAX) NOT NULL,

[id\_game] INT NOT NULL,

PRIMARY KEY CLUSTERED ([Id] ASC),

CONSTRAINT [FK\_Tournament\_Game] FOREIGN KEY ([id\_game]) REFERENCES [dbo].[Game] ([Id]) ON DELETE CASCADE ON UPDATE CASCADE

);

Создание таблицы «Новости»

CREATE TABLE [dbo].[News] (

[Id] INT NOT NULL,

[title] NVARCHAR (MAX) NOT NULL,

[full\_news] NVARCHAR (MAX) NOT NULL,

[id\_game] INT NULL,

PRIMARY KEY CLUSTERED ([Id] ASC),

CONSTRAINT [FK\_News\_Game] FOREIGN KEY ([id\_game]) REFERENCES [dbo].[Game] ([Id]) ON DELETE CASCADE ON UPDATE CASCADE

);

Создание таблицы «Пользователь»

CREATE TABLE [dbo].[User] (

[Id] INT NOT NULL,

[Email] NVARCHAR (MAX) NOT NULL,

[password] NVARCHAR (MAX) NOT NULL,

PRIMARY KEY CLUSTERED ([Id] ASC)

);

Создание таблицы «Роль пользователя»

CREATE TABLE [dbo].[Role] (

[Id] INT NOT NULL,

[name] NVARCHAR (MAX) NOT NULL,

PRIMARY KEY CLUSTERED ([Id] ASC)

);

Создание таблицы «Информация о пользователе»

CREATE TABLE [dbo].[AboutUser] (

[Id] INT NOT NULL,

[link\_photo] NVARCHAR (MAX) NULL,

[about] NVARCHAR (MAX) NULL,

PRIMARY KEY CLUSTERED ([Id] ASC),

CONSTRAINT [FK\_About\_User] FOREIGN KEY ([Id]) REFERENCES [dbo].[User] ([Id]) ON DELETE CASCADE ON UPDATE CASCADE

);

Создание таблицы «Сообщения»

CREATE TABLE [dbo].[Message] (

[Id] INT NOT NULL,

[id\_user] INT NOT NULL,

[text] NVARCHAR (MAX) NOT NULL,

[date] NVARCHAR (MAX) NOT NULL,

PRIMARY KEY CLUSTERED ([Id] ASC),

CONSTRAINT [FK\_Message\_User] FOREIGN KEY ([id\_user]) REFERENCES [dbo].[User] ([Id]) ON DELETE CASCADE ON UPDATE CASCADE

);

Создание таблицы «Друзья»

CREATE TABLE [dbo].[Friend] (

[Id] INT NOT NULL,

[id\_user] INT NOT NULL,

[id\_user\_2] INT NOT NULL,

PRIMARY KEY CLUSTERED ([Id] ASC),

CONSTRAINT [FK\_Friend\_User] FOREIGN KEY ([id\_user]) REFERENCES [dbo].[User] ([Id]) ON DELETE CASCADE ON UPDATE CASCADE,

CONSTRAINT [FK\_Friend\_User\_2] FOREIGN KEY ([id\_user\_2]) REFERENCES [dbo].[User] ([Id])

);

Создание таблицы «Оценка»

CREATE TABLE [dbo].[LikeDislike] (

[Id] INT NOT NULL,

[id\_user] INT NOT NULL,

[id\_video] INT NOT NULL,

[assessment] INT NOT NULL,

PRIMARY KEY CLUSTERED ([Id] ASC),

CONSTRAINT [FK\_LikeDislike\_User] FOREIGN KEY ([id\_user]) REFERENCES [dbo].[User] ([Id]) ON DELETE CASCADE ON UPDATE CASCADE,

CONSTRAINT [FK\_LikeDislike\_Video] FOREIGN KEY ([id\_video]) REFERENCES [dbo].[Video] ([Id]) ON DELETE CASCADE ON UPDATE CASCADE

);