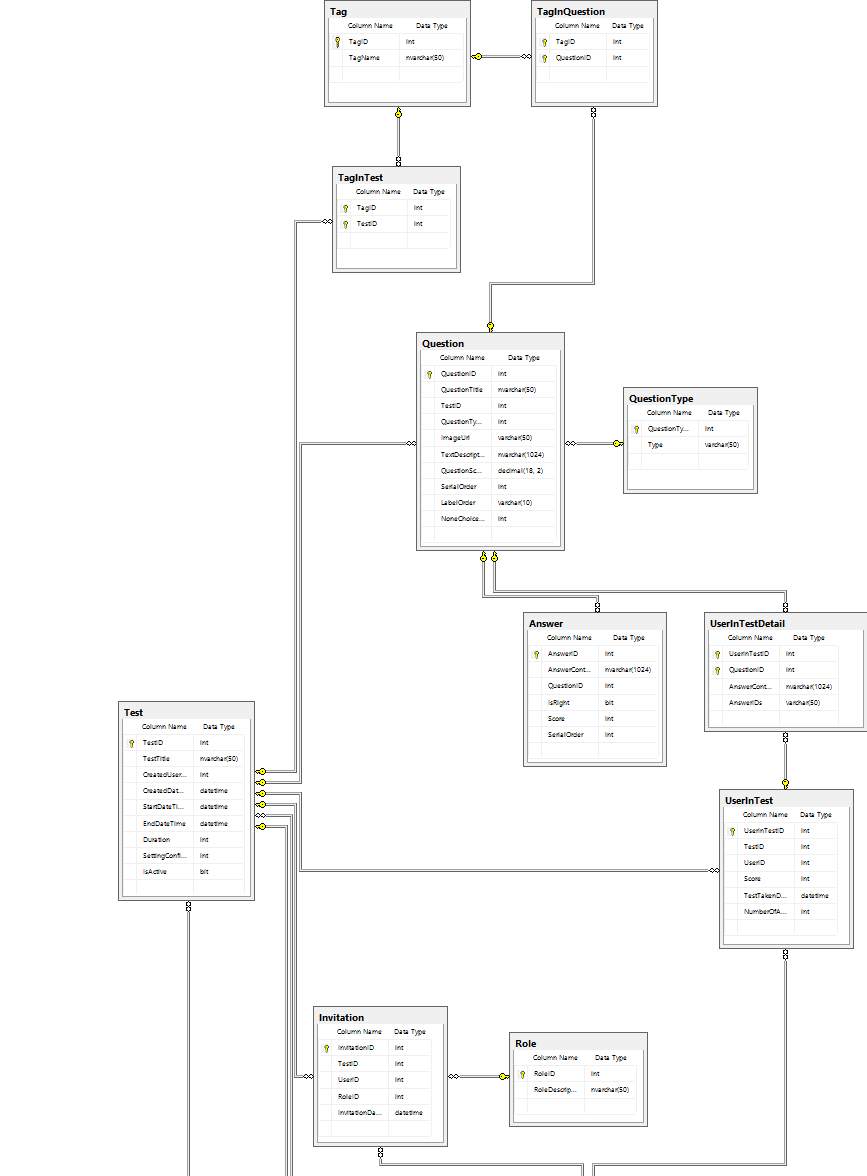
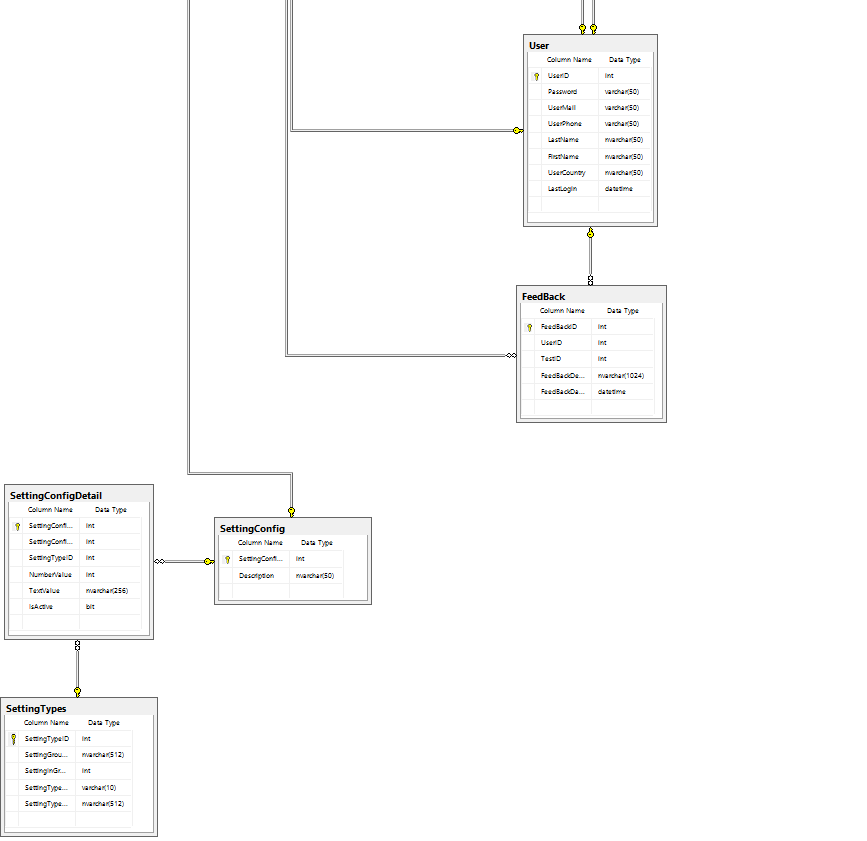
## DATABASE DESIGN





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| **Table Test** |
| |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Field** | **Type** | **Null** | **Key** | **Default** | **Extra** | | TestID | int | NO | PK |  | auto\_increment | | TestTitle | nvarchar(50) | NO |  |  |  | | CreatedUserID | int | NO |  |  |  | | CreatedDateTime | datetime | NO |  |  |  | | StartDateTime | datetime | NO |  |  |  | | EndDateTime | datetime | YES |  |  |  | | Duration | int | YES |  |  |  | | SettingConfigID | int | YES |  |  |  | | IsActive | bit | NO |  |  |  | |
| **Table Invitation** |
| |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | Field | Type | Null | Key | Default | Extra | | InvitationID | int | NO | PK |  | auto\_increment | | TestID | int | NO | FK |  |  | | UserID | int | NO | FK |  |  | | RoleID | int | YES | FK |  |  | | InvitationDateTime | datetime | YES |  |  |  | |
| **Table Tag** |
| |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | Field | Type | Null | Key | Default | Extra | | TagID | int | NO | PK |  | auto\_increment | | TagName | Nvarchar(50) | NO |  |  |  | |
| **Table TagInTest** |
| |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | Field | Type | Null | Key | Default | Extra | | TagID | int | NO | PK,FK |  |  | | TestID | int | NO | PK,FK |  |  | |
| **Table TagInQuestion** |
| |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | Field | Type | Null | Key | Default | Extra | | TagID | int | NO | PK,FK |  |  | | QuestionID | int | NO | PK,FK |  |  | |
| **Table Question** |
| |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | Field | Type | Null | Key | Default | Extra | | QuestionID | int | NO | PK |  | auto\_increment | | QuestionTitle | nvarchar(50) | NO |  |  |  | | TestID | int | NO | FK |  |  | | QuestionTypeID | int | NO | FK |  |  | | ImageUrl | varchar(50) | YES |  |  |  | | TextDescription | nvarchar(1024 | YES |  |  |  | | QuestionScore | decimal(18, 2) | NO |  |  |  | | SerialOrder | int | YES |  |  |  | | LabelOrder | varchar(10) | YES |  |  |  | | NoneChoiceScore | int | YES |  |  |  | |
| **Table QuestionType** |
| |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | Field | Type | Null | Key | Default | Extra | | QuestionTypeID | int | NO | PK |  | auto\_increment | | Type | varchar(50) | NO |  |  |  | |
| **Table Answer** |
| |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | Field | Type | Null | Key | Default | Extra | | AnswerID | int | NO | PK |  | auto\_increment | | AnswerContent | nvarchar(1024) | NO |  |  |  | | QuestionID | int | NO | FK |  |  | | IsRight | bit | NO |  |  |  | | Score | int | YES |  |  |  | | SerialOrder | int | YES |  |  |  | |
| **Table UserInTest**   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | Field | Type | Null | Key | Default | Extra | | UserInTestID | int | NO | PK |  | auto\_increment | | TestID | int | NO | FK |  |  | | UserID | int | NO | FK |  |  | | Score | int | NO |  |  |  | | TestTakenDate | datetime | YES |  |  |  | | NumberOfAttend | int | NO |  |  |  | |
| **Table UserInTestDetail**   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | Field | Type | Null | Key | Default | Extra | | UserInTestID | int | NO | PK,FK |  |  | | QuestionID | int | NO | PK,FK |  |  | | AnswerContent | nvarchar(1024) | YES |  |  |  | | AnswerIDs | varchar(50) | YES |  |  |  | |
|  |
| **Table Role** |
| |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | Field | Type | Null | Key | Default | Extra | | RoleID | int | NO | PK |  | auto\_increment | | RoleDescription | nvarchar(50) | NO |  |  |  | |
| **Table User** |
| |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | Field | Type | Null | Key | Default | Extra | | UserID | int | NO | PK |  | auto\_increment | | Password | varchar(50) | YES |  |  |  | | UserMail | varchar(50) | NO |  |  |  | | UserPhone | varchar(50) | YES |  |  |  | | LastName | varchar(50) | YES |  |  |  | | FirstName | varchar(50) | YES |  |  |  | | UserCountry | varchar(50) | YES |  |  |  | | LastLogin | datetime | YES |  |  |  | |

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| **Table FeedBack** |
| |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | Field | Type | Null | Key | Default | Extra | | FeedBackID | int | NO | PK |  | auto\_increment | | UserID | int | NO | FK |  |  | | TestID | int | NO | FK |  |  | | FeedBackDetail | nvarchar(1024) | YES |  |  |  | | FeedBackDateTime | datetime | YES |  |  |  | |

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| **Table SettingConfig** |
| |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | Field | Type | Null | Key | Default | Extra | | idcourse\_lesson | bigint(10) unsigned | NO | PRI |  | auto\_increment | | idcourse | bigint(10) unsigned | NO | MUL |  |  | | idlesson | bigint(10) unsigned | NO | MUL |  |  | | timecreated | datetime | NO |  |  |  | | timeupdated | datetime | NO |  |  |  | | forsharing | tinyint(1) | NO |  |  |  | |

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| **Table SettingConfigDetail** |
| |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | Field | Type | Null | Key | Default | Extra | | idcourse\_lesson | bigint(10) unsigned | NO | PRI |  | auto\_increment | | idcourse | bigint(10) unsigned | NO | MUL |  |  | | idlesson | bigint(10) unsigned | NO | MUL |  |  | | timecreated | datetime | NO |  |  |  | | timeupdated | datetime | NO |  |  |  | | forsharing | tinyint(1) | NO |  |  |  | |

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| **Table SettingTypes** |
| |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | Field | Type | Null | Key | Default | Extra | | idcourse\_lesson | bigint(10) unsigned | NO | PRI |  | auto\_increment | | idcourse | bigint(10) unsigned | NO | MUL |  |  | | idlesson | bigint(10) unsigned | NO | MUL |  |  | | timecreated | datetime | NO |  |  |  | | timeupdated | datetime | NO |  |  |  | | forsharing | tinyint(1) | NO |  |  |  | |