#### Tables description

|  |  |  |
| --- | --- | --- |
| No. | Table name | Description |
| 1 | Advertisement | Store information about advertising of website |
| 2 | Configuration | Store information about configuration of website |
| 3 | Field | Store information about fields in system |
| 4 | FieldPrice | Store information about price of stadiums in system |
| 5 | JoinSystemRequest | Store information about join system requests in system |
| 6 | MemberRank | Store information about rank of member in system |
| 7 | Notification | Store information about notification of members and stadiums in system |
| 8 | PriceTable | Store informatino about price table of field price in system |
| 9 | Promotion | Store information about promotions of stadiums in system |
| 10 | PunishMember | Store information about punishing members in system |
| 11 | ReportUser | Store information about reporting users in system |
| 12 | Reservation | Store information about reservations of stadiums in system |
| 13 | Role | Store information about roles of user in system |
| 14 | Stadium | Store information about stadiums in system |
| 15 | StadiumImage | Store information about images of stadiums in system |
| 16 | StadiumRating | Store information about rating of stadiums in system |
| 17 | StadiumReview | Store information about reviews of stadiums in system |
| 18 | StadiumStaff | Store information about staffs of stadiums in system |
| 19 | User | Store information about users in system |
| 20 | UserDistance | Store information about the distance of users in system |

#### Advertisement

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Field name | Type | Null | Unique | P/F key | Default | Description |
| Id | int |  |  | PK |  | The index of this advertising |
| Position | nvarchar(10) |  |  |  |  | The position to display of the advertising |
| AdvertiseDetail | ntext |  |  |  |  | The content of this advertising |
| CreateDate | date |  |  |  |  | The date when this advertising is created |
| ExpiredDate | date |  |  |  |  | The date when this advertising is expired |
| Status | nvarchar(50) |  |  |  |  | The status of this advertising |
| Creator | int | true |  | FK |  | The creator who is created this advertising |

#### Fiel

#### Field

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Field name | Type | Null | Unique | P/F key | Default | Description |
| Id | int |  |  | PK |  | The index of this field |
| StadiumId | int |  |  | FK |  | The index of stadium which contain this field |
| Number | nvarchar(5) |  |  |  |  | The number of this field |
| ParentField | int | true |  | FK |  | The index of field which is parent of this field |
| FieldType | int |  |  |  |  | The type of this field |
| IsActive | bit | true |  |  |  | The status of this field |

#### FieldPrice

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Field name | Type | Null | Unique | P/F key | Default | Description |
| Id | int |  |  | PK |  | The index of price of field |
| FieldId | int |  |  | FK |  | The index of field |
| TimeFrom | float |  |  |  |  | The price of field begin from this time |
| TimeTo | float |  |  |  |  | The price of field end from this time |
| Price | float |  |  |  |  | The price of field |
| Day | int |  |  |  |  | The price of fiend in this day |

#### JoinSystemRequest

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Field name | Type | Null | Unique | P/F key | Default | Description |
| Id | int |  |  | PK |  | The index of this join system request |
| UserId | int |  |  | FK |  | The user who send this join system request |
| FullName | nvarchar(50) |  |  |  |  | The full name of user who send this join system request |
| Address | nvarchar(100) |  |  |  |  | The address of user who send this join system request |
| Phone | nvarchar(20) |  |  |  |  | The phone number of user who send this join system request |
| Email | nvarchar(50) |  |  |  |  | The email of user who send this join system request |
| StadiumName | nvarchar(100) |  |  |  |  | The name of stadium which is user want to join system |
| StadiumAddress | nvarchar(100) |  |  |  |  | The address of stadium which is user want to join system |
| Note | nvarchar(1000) | true |  |  |  | The note of this request |
| Status | nvarchar(50) |  |  |  |  | The status of this request |
| CreateDate | datetime |  |  |  |  | The date when this request is created |

#### MemberRank

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Field name | Type | Null | Unique | P/F key | Default | Description |
| Id | int |  |  | PK |  | The index of this rank |
| RankName | nvarchar(50) |  |  |  |  | The name of this rank |
| Point | int |  |  |  |  | This point is condition to have this user rank |
| Promotion | nvarchar(500) | true |  |  |  | The promotion for user who have this rank |

#### Promotion

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Field name | Type | Null | Unique | P/F key | Default | Description |
| Id | int |  |  | PK |  | The index of this promotion |
| FieldId | int |  |  | FK |  | The index of field which this promotion apply |
| PromotionFrom | date |  |  |  |  | The time when this promotion is started |
| PromotionTo | date |  |  |  |  | The time when this promotion is finished |
| Discount | float |  |  |  |  | The discount per cent of this promotion |
| Creator | int | true |  |  |  | The creator who is created this promotion |
| IsActive | bit | true |  |  |  | The status of this promotion |

#### Reservation

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Field name | Type | Null | Unique | P/F key | Default | Description |
| Id | int |  |  | PK |  | The index of this reservation |
| FieldId | int |  |  | FK |  | The index of field is booked |
| UserId | int | true |  | FK |  | The index of user who book the field |
| FullName | nvarchar(50) |  |  |  |  | The full name of user who book the field |
| PhoneNumber | nvarchar(20) |  |  |  |  | The phone number of user who book the field |
| Email | nvarchar(50) | true |  |  |  | The email of user who book the field |
| Date | date |  |  |  |  | The date that is booked the field |
| StartTime | float |  |  |  |  | The start time when user need the field |
| Duration | float |  |  |  |  | The duration time that user need the field |
| Price | float |  |  |  |  | The price of field |
| Discount | float | true |  |  |  | The discount per cent of the promotion is applied to this reservation |
| PromotionId | int | true |  |  |  | The index of the promotion is applied to this reservation |
| VerifyCode | nvarchar(50) |  |  |  |  | The code which use for verifying this reservation |
| CreatedDate | datetime |  |  |  |  | The date when this reservation is created |
| Approver | int | true |  | FK |  | The index of stadium staff who approve this reservation |
| Status | nvarchar(20) |  |  |  |  | The status about approving of this reservation |
| HasRival | bit |  |  |  |  | The status about having rival of this reservation |
| RivalId | int | true |  | FK |  | The index of rival who join this request rival of this reservation |
| RivalName | nvarchar(50) | true |  |  |  | The name of rival who join this request rival of this reservation |
| RivalPhone | nvarchar(20) | true |  |  |  | The phone number of rival who join this request rival of this reservation |
| RivalEmail | nvarchar(50) | true |  |  |  | The email of rival who join this request rival of this reservation |
| RivalFinder | int | true |  |  |  | The index of user who find rival for this request rival of this reservation |
| RivalStatus | nvarchar(20) | true |  |  |  | The status about approving of this rival |

#### Role

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Field name | Type | | Null | | Unique | | P/F key | | Default | | Description | |
| Id | | int | |  | |  | | PK, FK | |  | | The index of this role |
| Role | | nvarchar(50) | |  | |  | |  | |  | | The name of this role |
| DisplayName | | nvarchar(50) | | true | |  | |  | |  | | The display name of this role |

#### Stadium

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Field name | Type | Null | Unique | P/F key | Default | Description |
| Id | int |  |  | PK |  | The index of this stadium |
| Name | nvarchar(100) |  |  |  |  | The name of this stadium |
| Street | nvarchar(50) |  |  |  |  | The street address of this stadium |
| Ward | nvarchar(50) |  |  |  |  | The ward address of this stadium |
| District | nvarchar(50) |  |  |  |  | The district address of this stadium |
| City | nvarchar(50) |  |  |  |  | The city address of this stadium |
| Description | nvarchar(500) |  |  |  |  | The description about this stadium |
| Phone | nvarchar(20) |  |  |  |  | The phone number to contact with this stadium staff |
| Email | nvarchar(50) |  |  |  |  | The email to contact with this stadium staff |
| IsActive | bit | true |  |  |  | The status of this stadium |

#### StadiumImage

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Field name | Type | Null | Unique | P/F key | Default | Description |
| Id | int |  |  | PK |  | The index of this image |
| StadiumId | int |  |  | FK |  | The index of stadium which the image about |
| Path | nvarchar(100) |  |  |  |  | The path of this image store in server |
| Title | nvarchar(100) | true |  |  |  | The title of this image |
| Caption | nvarchar(200) | true |  |  |  | The caption of this image |

#### StadiumRating

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Field name | Type | Null | Unique | P/F key | Default | Description |
| Id | int |  |  | PK |  | The index of this rating |
| UserId | int |  |  | FK |  | The index of user who rate the stadium |
| StadiumId | int |  |  | FK |  | The index of stadium which is rated |
| Rate | float |  |  |  |  | The point of this rating |

#### StadiumReview

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Field name | Type | | | Null | | Unique | | P/F key | | Default | | Description |
| Id | | int |  | |  | | PK | |  | | The index of this review | |
| UserId | | int |  | |  | | FK | |  | | The index of user who review the stadium | |
| StadiumId | | int |  | |  | | FK | |  | | The index of stadium which is reviewed | |
| ReviewContent | | nvarchar(500) |  | |  | |  | |  | | The content of this review | |
| IsApproved | | bit |  | |  | |  | |  | | The status about approving of this review | |
| Approver | | int | true | |  | | FK | |  | | The index of stadium staff who approve this review | |
| CreateDate | | datetime |  | |  | |  | |  | | The date when this review is created | |

#### StadiumStaff

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Field name | Type | | Null | | Unique | | P/F key | | Default | | Description | |
| Id | | int | |  | |  | | PK | |  | | The index of this stadium staff |
| UserId | | int | |  | |  | | FK | |  | | The index of user who is staff of stadium |
| StadiumId | | int | |  | |  | | FK | |  | | The index of stadium |
| IsOwner | | bit | |  | |  | |  | |  | | The role of this staff |

#### User

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Field name | Type | Null | Unique | P/F key | Default | Description |
| Id | int |  |  | PK |  | The index of this user |
| UserName | nvarchar(50) |  |  |  |  | The user name of this user |
| Password | nvarchar(50) |  |  |  |  | The password of this user |
| FullName | nvarchar(50) | true |  |  |  | The full name of this user |
| Address | nvarchar(100) | true |  |  |  | The address of this user |
| PhoneNumber | nvarchar(20) | true |  |  |  | The phone number of this user |
| Email | nvarchar(50) |  |  |  |  | The email of this user |
| Point | int |  |  |  |  | The point of this user |
| RankId | int |  |  | FK |  | The index of rank of this user |
| IsReceivedReward | bit |  |  |  |  | The status about receiving reward of this user |
| JoinDate | date |  |  |  |  | The date when user register at website |
| IsActive | bit |  |  |  |  | The status of this user |
| RoleId | int |  |  |  |  | The index of role of this user |