1. **Tables**

|  |  |
| --- | --- |
| Table Name | Description |
| AdvanceSearchScore | Store all score for advance search |
| Answer | Stores all answer |
| Badwords | Stores all badwords |
| BadWordTypes | Stores types of badwords |
| Categories | Store all categories |
| ConfigurationRHFs | Stores all configurations setting |
| Contacts | Stores all contacts information of post |
| Districts | Stores all districts |
| EmailTemplates | Stores all email templates |
| Facilities | Stores facilities information of post |
| FacilityTemplates | Store facilities template for advanced search algorithm |
| Favorites | Store all favorites |
| Locations | Stores locations for nearby place |
| Payments | Stores all payments information |
| PostImages | Store images of a post |
| PostLocations | Store relationship of post and location |
| Posts | Store information of post |
| PostStatus | Store status of post |
| Provinces | Store information of province |
| Questions | Store information of questions |
| ReportedPosts | Store information of reported post |
| Roles | Store roles of user |
| UserLogs | Store user log for messaging |
| Users | Store information of user |

1. AdvanceSearchScore

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column Name | Type | Null | Unique | P/F Key | Default | Description |
| Id | int |  |  | PK |  | Id of AdvanceSearchScore |
| Name | nvarchar(MAX) |  |  |  |  | Name of Score |
| Score | int |  |  |  |  | Score of Title |

1. Answer

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column Name | Type | Null | Unique | P/F Key | Default | Description |
| Id | int |  |  | PK |  | Id of Answer |
| Content | nvarchar(MAX) |  |  |  |  | Content of Answer |
| CreatedDate | datetime |  |  |  |  | Created date |
| IsDeleted | bit |  |  |  |  | Is deleted |
| QuestionId | int |  |  | FK |  | Id of questions  FK to Questions.Id |
| IsRead | bit |  |  |  | False | Is receiver read this answer |

1. Badwords

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column Name | Type | Null | Unique | P/F Key | Default | Description |
| Id | int |  |  | PK |  | Id of badwords |
| Word | nvarchar(100) |  |  |  |  | Content of word |
| TypeId | int |  |  | FK |  | Id of badwordtype  FK to BadWordTypes.Id |

1. BadWordTypes

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column Name | Type | Null | Unique | P/F Key | Default | Description |
| Id | int |  |  | PK |  | Id of bad words type |
| Name | nvarchar(50) |  |  |  |  | Name of bad word types |

1. Categories

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column Name | Type | Null | Unique | P/F Key | Default | Description |
| Id | int |  |  | PK |  | Id of category |
| Name | nvarchar(50) |  |  |  |  | Name of category |
| Description | nvarchar(MAX) | x |  |  |  | Description of category |
| IsDeleted | bit |  |  |  | False | Is it deleted |

1. ConfigurationRHFs

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column Name | Type | Null | Unique | P/F Key | Default | Description |
| Id | int |  |  | PK |  | Id of configuration |
| Name | nvarchar(100) |  |  |  |  | Name of configuration |
| Value | nvarchar(100) |  |  |  |  | Value of configuration |

1. Contacts

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column Name | Type | Null | Unique | P/F Key | Default | Description |
| Phone | nvarchar(20) |  |  |  |  | Phone to contact |
| Email | nvarchar(100) | x |  |  |  | Email to contact |
| Yahoo | nvarchar(50) | x |  |  |  | Yahoo to contact |
| Skype | nvarchar(50) | x |  |  |  | Skype to contact |
| PostIdContacts | int |  |  | PK |  | ID of Posts.Id |
| NameContact | nvarchar(50) |  |  |  |  | Name to contact |

1. Districts

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column Name | Type | Null | Unique | P/F Key | Default | Description |
| Id | int |  |  | PK |  | Id of district |
| Name | nvarchar(MAX) |  |  |  |  | Name of district |
| Lat | float |  |  |  |  | Latitude of district |
| Lon | float |  |  |  |  | Longitude of district |
| ProvinceId | int |  |  | FK |  | Id of province  FK to Provinces.Id |
| IsDeleted | bit |  |  |  | False | Is it deleted |

1. EmailTemplates

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column Name | Type | Null | Unique | P/F Key | Default | Description |
| Id | int |  |  | PK |  | Id of EmailTemplate |
| Name | nvarchar(MAX) |  |  |  |  | Name of template |
| Template | nvarchar(MAX) |  |  |  |  | Template of email |

1. Facilities

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column Name | Type | Null | Unique | P/F Key | Default | Description |
| HasInternet | bit |  |  |  |  | Has internet |
| ElectricityFee | float |  |  |  |  | Fee of electricity |
| WaterFee | float |  |  |  |  | Fee of water |
| HasTVCable | bit |  |  |  |  | Has TV cable |
| HasBed | bit |  |  |  |  | Has bed |
| HasWaterHeater | bit |  |  |  |  | Has water heater |
| IsAllowCooking | bit |  |  |  |  | Allow cooking or not |
| HasMotorParkingLot | bit |  |  |  |  | Has motor parking lot |
| HasToilet | bit |  |  |  |  | Has toilet |
| HasAirConditioner | bit |  |  |  |  | Has Airconditioner |
| HasGarage | bit |  |  |  |  | Has Garage |
| IsStayWithOwner | bit |  |  |  |  | Stay with owner or not |
| RestrictHours | nvarchar(50) | x |  |  |  | Restrict hours |
| HasSecurity | bit |  |  |  |  | Has security |
| PostIdFacilities | int |  |  | PK |  | Id of post |
| FacilityTemplateId | int |  |  | FK |  | Id of facility template  FK to FacilityTemplates.Id |

1. FacilityTemplates

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column Name | Type | Null | Unique | P/F Key | Default | Description |
| Id | int |  |  | PK |  | Id of facility templates |
| HasAirConditioner | bit |  |  |  |  | For advance search algorithm |
| HasBed | bit |  |  |  |  | For advance search algorithm |
| HasGarage | bit |  |  |  |  | For advance search algorithm |
| HasInternet | bit |  |  |  |  | For advance search algorithm |
| HasMotorParking | bit |  |  |  |  | For advance search algorithm |
| HasSecurity | bit |  |  |  |  | For advance search algorithm |
| HasToilet | bit |  |  |  |  | For advance search algorithm |
| HasTVCable | bit |  |  |  |  | For advance search algorithm |
| HasWaterHeater | bit |  |  |  |  | For advance search algorithm |
| IsAllowCooking | bit |  |  |  |  | For advance search algorithm |
| IsStayWithOwner | bit |  |  |  |  | For advance search algorithm |

1. Favorites

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column Name | Type | Null | Unique | P/F Key | Default | Description |
| Id | int |  |  | PK |  | Id of favorites |
| UserId | int |  |  | FK |  | User who own favorite  FK to Users.Id |
| PostId | int |  |  | FK |  | Post of favorites  FK to Posts.Id |
| AddedDate | datetime |  |  |  |  | Day created |
| IsDeleted | bit |  |  |  | False | Is it deleted |

1. Locations

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column Name | Type | Null | Unique | P/F Key | Default | Description |
| Id | int |  |  | PK |  | Id of locations |
| Name | nvarchar(MAX) |  |  |  |  | Name of locations |
| DistrictId | int |  |  | FK |  | District id of location  FK to Districts.Id |
| IsCreatedByUser | bit |  |  |  |  | Is created by user |

1. Payments

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column Name | Type | Null | Unique | P/F Key | Default | Description |
| Id | int |  |  | PK |  | Id of payments |
| PhoneNumber | nvarchar(20) |  |  |  |  | Phone number pay |
| CreatedDate | datetime |  |  |  |  | Created date |
| PostsId | int |  |  | FK |  | Post id to pay  FK to Posts.Id |

1. PostImages

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column Name | Type | Null | Unique | P/F Key | Default | Description |
| Id | int |  |  | PK |  | Id of post image |
| PostId | int |  |  | FK |  | Post id of images  FK to Posts.Id |
| Path | nvarchar(MAX) |  |  |  |  | Path of images |
| IsDeleted | bit |  |  |  | False | Is it deleted |

1. PostLocations

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column Name | Type | Null | Unique | P/F Key | Default | Description |
| Id | int |  |  | PK |  | Id of postlocation |
| PostId | int |  |  | FK |  | Id of Post  FK to Posts.Id |
| LocationId | int |  |  | FK |  | Id of Location  FK to Locations.Id |

1. Posts

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column Name | Type | Null | Unique | P/F Key | Default | Description |
| Id | int |  |  | PK |  | Id of Post |
| Title | nvarchar(MAX) |  |  |  |  | Title of post |
| CategoryId | int |  |  | FK |  | Category id of post  FK to Categories.Id |
| StatusId | int |  |  | FK |  | Status id of post  FK to PostStatus.Id |
| IsDeleted | bit |  |  |  | False | Is it deleted |
| CreatedDate | datetime |  |  |  |  | Created date |
| EditedDate | datetime | x |  |  |  | Edited date |
| RenewDate | datetime | x |  |  |  | Renew data ( latest date when user renew the post ) |
| DistrictId | int |  |  | FK |  | District Id of post  FK to Districts.Id |
| NumberAddress | nvarchar(MAX) |  |  |  |  | Detail address |
| Price | float |  |  |  |  | Price |
| Area | float |  |  |  |  | Area |
| PhoneActive | nvarchar(20) |  |  |  |  | Phone number use to active |
| Description | nvarchar(MAX) | x |  |  |  | Description of post |
| Lat | float |  |  |  |  | Latitude of post |
| Lon | float |  |  |  |  | Longitude of post |
| UserId | int | x |  | FK |  | User id who create post  FK to Users.Id |
| Street | nvarchar(50) |  |  |  |  | Street name of post |
| NearbyPlace | nvarchar(MAX) | x |  |  |  | List of nearby place |
| ExpiredDate | datetime |  |  |  |  | Expired date |
| Code | nvarchar(MAX) |  |  |  |  | Code use for pay or edit post |

1. PostStatus

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column Name | Type | Null | Unique | P/F Key | Default | Description |
| Id | int |  |  | PK |  | Id of post status |
| Name | nvarchar(MAX) | x |  |  |  | Name of post status |
| Description | nvarchar(MAX) | x |  |  |  | Description of post status |
| IsDeleted | bit |  |  |  | False | Is deleted |

1. Provinces

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column Name | Type | Null | Unique | P/F Key | Default | Description |
| Id | int |  |  | PK |  | Id of province |
| Name | nvarchar(MAX) |  |  |  |  | Name of province |
| Lat | float |  |  |  |  | Latitude of province |
| Lon | float |  |  |  |  | Longitude of province |
| IsDeleted | bit |  |  |  | False | Is deleted |

1. Questions

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column Name | Type | Null | Unique | P/F Key | Default | Description |
| Id | int |  |  | PK |  | Id of question |
| Content | nvarchar(MAX) |  |  |  |  | Content of question |
| SenderId | int | x |  | FK |  | Id of sender  FK to User.Id |
| CreatedDate | datetime |  |  |  |  | Created date |
| IsRead | bit |  |  |  |  | Is receiver read |
| IsDeleted | bit |  |  |  |  | Is deleted |
| PostId | int |  |  | FK |  | Post id of questions  FK to Posts.Id |
| Title | nvarchar(MAX) |  |  |  |  | Title of question |
| SenderEmail | nvarchar(50) |  |  |  |  | Email of sender ( in case not a user) |

1. ReportedPosts

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column Name | Type | Null | Unique | P/F Key | Default | Description |
| Id | int |  |  | PK |  | Id of reported posts |
| PostId | int |  |  | FK |  | Post id of report  FK to Posts.Id |
| ReportedBy | int |  |  | FK |  | Reported by which user  FK to Users.Id |
| ReportedDate | datetime |  |  |  |  | Date when report submitted |
| Reason | nvarchar(MAX) |  |  |  |  | Reason to report |
| IsIgnored | bit |  |  |  | False | Admin approved or not |

1. Roles

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column Name | Type | Null | Unique | P/F Key | Default | Description |
| Id | int |  |  | PK |  | Id of role |
| Name | nvarchar(20) |  |  |  |  | Name of role |
| Description | nvarchar(MAX) | x |  |  |  | Description of role |
| IsDeleted | bit |  |  |  |  | Is it deleted |

1. UserLogs

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column Name | Type | Null | Unique | P/F Key | Default | Description |
| Id | int |  |  | PK |  | Id of userlogs |
| Message | nvarchar(MAX) |  |  |  |  | Content of message user log |
| UserId | int |  |  | FK |  | User id  FK to Users.Id |
| IsRead | bit |  |  |  |  | Is read by user |
| CreatedDate | datetime |  |  |  |  | Created date |

1. Users

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Column Name | Type | Null | Unique | P/F Key | Default | Description |
| Id | int |  |  | PK |  | Id of User |
| Username | nvarchar(50) |  |  |  |  | Username |
| Password | nvarchar(MAX) | x |  |  |  | Password |
| Email | nvarchar(50) | x |  |  |  | Email of user |
| PhoneNumber | nvarchar(15) | x |  |  |  | Phone number |
| Name | nvarchar(MAX) | x |  |  |  | Real name |
| CreatedDate | datetime |  |  |  |  | Created date |
| LastUpdate | datetime |  |  |  |  | Last update |
| IsDeleted | bit |  |  |  | False | Is deleted |
| OpenIdURL | nvarchar(MAX) | x |  |  |  | Open id URL |
| RoleId | int |  |  | FK |  | Role of user  FK to Roles.Id |