Database Tables

**1.) UserMaster**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Data Item** | **Data Type** | **Data Format** | **Size** | **Description** | **Constraint** |
| User\_ID | integer | 1 | **3** | **Autogenerated ID** | **Primary Key** |
| FullName | string | FirstName,  LastName | **50** | **Full name**  **Of User** | **Not null** |
| HouseNo | string | “M-1/3” | **10** | House no of user | **Not null** |
| Society  Name | **string** | “Suramya Apartments” | **100** | Society where user lives | Not null |
| Locality | **string** | “VijayNagar” | **60** | Locality of address | Not null |
| Landmark | **string** | “Nr. CNG Pump” | **60** | Landmark for address | Not null |
| Area | **string** | “Naranpura” | **50** | Area of address | Not null |
| UserCity | string | “Ahmedabad” | **25** | City where user lives | Not null |
| UserDoB | **date** | “dd-mm-yyyy” |  | **Date of Birth** | **Not null** |
| Gender | **string** | “Male”,”Female” | **10** | **Gender of user** | **Not null** |
| UserEmail | string | “admin@gmail.com” | **25** | **Email ID** | **Unique, not null** |
| UserPhoneNO | **BigInt** | 7776661101 | **10** | **Contact number** | **Not null** |
| UserPassword | **string** | \*\*\*\*\*\*\*\*\* | **20** | **Password of admin** | **Not null** |
| Role | **string** | “Owner”,  ”Broker”,  ”Consumer” | **10** | **Category**  **Of**  **User** | **Not null** |

**2.) Property**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Data Item** | **Data Type** | **Data Format** | **Size** | **Description** | **Constraint** |
| Property  ID | Integer | 1 | **3** |  | **Primary Key** |
| Owner ID | Integer | 1 | **3** | **Owner ID** | **Foreign Key** |
| RegNo | **String** | “PR11201” | **20** | Registration Number of property |  |
| HouseNo | String | “M-1/3” | **10** | House no of user | **Not null** |
| Society  Name | **String** | “Suramya Apartments” | **100** | Society where user lives | Not null |
| Locality | **String** | “VijayNagar” | **60** | Locality of address | Not null |
| Landmark | **String** | “Nr. CNG Pump” | **60** | Landmark for address | Not null |
| Area | **String** | “Naranpura” | **50** | Area of address | Not null |
| Property\_City | String | “Ahmedabad” | **25** |  |  |
| Purpose | String | “Sale”,”Rent” | **25** |  | **Not null** |
| Type | **String** | “Commercial”,”Residential” | **10** | **Type of property** | **Not null** |
| Size | **integer** | 1221 | **6** | **Area of Property** | **Not null** |
| Sub\_Type | **String** | “1BHK”,”2BHK”,:”Shop”,”Office” | **10** | **Sub Type of property** | **Not null** |
| Price | **bigInt** | 1000000 |  | **Expected price/rent for property** | **Not**  **null** |
| Status | **String** | “Sold”,”Rented”,”Active” |  | **Status of property** | **Not**  **Null** |
| Construction\_Status | **String** | “Ready to Move”,”Resale” | **12** |  |  |

**3.) Lead (Property Selection)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Data Item** | **Data Type** | **Data Format** | **Size** | **Description** | **Constraint** |
| Lead ID | Integer | 1 | **3** |  | **Primary Key** |
| Property ID | Integer | 1 | **3** | **Property ID** | **Foreign Key** |
| Consumer ID | **Integer** | 1 | **3** | Consumer ID | **Foreign Key** |
| Owner ID | **Integer** | 11 | **3** | Owner ID |  |
| Property\_Price | Integer | 100000 | **6** |  |  |
| Purpose | String | “Buy”,”Rent” | **25** |  | **Not null** |
| Assigned | **Boolean** | True,False |  |  | **Not null** |

**4.) AssignedLead (Assigning Selected Property)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Data Item** | **Data Type** | **Data Format** | **Size** | **Description** | **Constraint** |
| Assigned ID | **integer** | **1** | **3** |  | **Primary Key** |
| Broker ID | **integer** | **1** | **3** |  | **Foreign Key** |
| Lead ID | integer | 1 | **3** |  | **Foreign Key** |
| Status | **String** | **“Pending”,**  **”Complete”** | **10** |  | **Not null** |

**5.) LoanScheme**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Data Item** | **Data Type** | **Data Format** | **Size** | **Description** | **Constraint** |
| Loan ID | integer | 1 | **3** |  | **Primary Key** |
| Creditor ID | integer | 1 | **3** | **Owner ID** | **Foreign Key** |
| Scheme Name | **String** | “Commercial Scheme-1” | **20** | Scheme name of Loan | **Not null** |
| Institution Name | string | “Axis Bank Ltd” | **80** | Institution managing the loan | **Not null** |
| Amount | integer | 1000 | **7** | Principal amount for loan | Not null |
| ROI | integer | 5 | **3** | **Rate Of Interest** | **Not null** |
| Duration | **integer** | 3 | **4** | **Duration of Loan** | **Not null** |
| EMI | **integer** | 1221 | **5** | **Easy Monthly Installment** | **Not null** |

**6.) LoanApplicant**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Data Item** | **Data Type** | **Data Format** | **Size** | **Description** | **Constraint** |
| Applicant ID | integer | 1 | **3** |  | **Primary Key** |
| Loan ID | integer | 1 | **3** |  | **Foreign Key** |
| Scheme Name | **String** | “Commercial Scheme-1” | **20** | Scheme of Loan | **Not null** |
| Property address | string | “Locality,  Landmark” | **200** | Address of property | **Not null** |
| MobileNo | integer | 7722220011 | **10** | Mobile number of applicant | **Not null** |

Project Plan

Initiation – 01/02/2021

Documentation:

Iteration 1: 1/2/21 to 6/02/21

Iteration 2: 8/2/21 to 13/02/21

Iteration 3: 15/02/21 to 20/02/21

UI Design:

Phase 1: 15/02/21 to 19/02/21

Interregnum: 22/02/21 to 26/02/21

Phase 2: 27/02/21 to 3/3/21

Implementation:

Process 1: Registration (10/3/21 to 13/3/21)

Process 2: Authentication

* Sign In (13/3/21 to 15/3/21)
* Forget/Change Password

Process 3: Advertise Property (16/3/21 to 19/3/21)

Process 4: Lead Process

->Select Property (Lead Generation)

(20/3/21 to 21/3/21)

Process 5: Loan Process

* Add Loan (Managed by financer)

(26/3/21 to 28/3/21)

* Apply Loan (Consumer applies for Loan)

(29/3/21 to 30/3/21)

Process 6: Feedback (1/4/21 to 2/4/21)

Process 7: User Management (Admin)

Sprints:

1: Project Analysis (21d)

2: UI Design (6d) 3: Registration Process (2d)

4: Authentication Process (3d)

5: Users Subscription (2d)

6: Manage Properties (3d) 7: Manage Leads (2d)

8: Manage Loans (3d) 9: Acquire Property (3d)

10: Manage users (3d) 11: Manage Feedbacks (3d)