Property Management System(PMS)

**Database: table\_count = 15;**

**Users\* - table-1**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column** | **Datatype** | **Not Null** | **Default** | **Constraint** |
| user\_id | Int | Y | - | PK |
| Name | char(50) | Y | - | - |
| Email | varchar(255) | Y | - | unique |
| Password | varchar(500) | Y | - | - |
| Dob | Date | N | - | - |
| Gender | Char(1) | N |  |  |
| Address | Varchar(400) | N | - | - |
| City\_id | Int | Y | - | FK |
| Contact | char(10) | Y | - | unique |
| Logo | char(255) | N | - | - |
| Status\_id | Int | Y | 2 | FK |
| Activation\_code | char(100) | N | - | - |

**Status\* - table-2**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column** | **Datatype** | **Not Null** | **Default** | **Constraint** |
| status\_id | Int | Y | - | PK |
| type | char(20) | Y | - | - |

Active, inactive, blocked, Running, Ended

**States\* - table-3**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column** | **Datatype** | **Not Null** | **Default** | **Constraint** |
| state\_id | Int | Y | - | PK |
| state | char(35) | Y | - | - |

**Cities\* - table-4**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column** | **Datatype** | **Not Null** | **Default** | **Constraint** |
| City\_id | Int | Y | - | PK |
| city | char(35) | Y | - | - |
| state\_id | Int | Y | - | FK |

**Properties: table-5**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column** | **Datatype** | **Not Null** | **Default** | **Constraint** |
| Property\_id | Int | Y | - | PK |
| title | char(50) | Y | - | - |
| Address | varchar(400) | Y | - |  |
| City\_id | Int | Y | - | Fk |
| Property\_type\_id | Int | Y | - | Fk |
| User\_Id | Int | Y | - | Fk |
| Description | varchar(1000) | Y | - | - |
| Status\_id | Int | Y | - | FK |
| floors | Int | Y |  |  |
| BHK | Int | Y |  |  |

**Area\_type table-6**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column** | **Datatype** | **Not Null** | **Default** | **Constraint** |
| Area\_type\_id | Int | Y | - | PK |
| type | char(50) | Y | - |  |

|  |
| --- |
| carpet\_area |
| Kitchen\_area |
| Washroom\_area |
| Terrace\_area |
| bedroom\_area |
| balcoly\_area |
| gardening\_area |
| Construction\_area |
| Parking\_area |

**Property\_area : table-7**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column** | **Datatype** | **Not Null** | **Default** | **Constraint** |
| Property\_area\_id | Int | Y | - | PK |
| Property\_id | Int | Y | - | FK |
| Area\_type\_id | Int | Y | - | FK |
| Area | Int | Y | - | - |

**Property\_media : table-8**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column** | **Datatype** | **Not Null** | **Default** | **Constraint** |
| Property\_media\_id | Int | Y | - | PK |
| Property\_id | Int | Y | - | FK |
| Media\_path | varchar(255) | Y | - | - |
| View\_type\_id | Int | Y | - | FK |
| Media\_type | Bool | Y | - | - |

Media Type:1 means video and 0 means pics

**View\_types - table-9**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column** | **Datatype** | **Not Null** | **Default** | **Constraint** |
| **View**\_type\_id | Int | Y | - | PK |
| **View**\_type | Varchar(20) | Y | - | - |

(interior,exterior,outsideview)

**Property\_types - table-10**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column** | **Datatype** | **Not Null** | **Default** | **Constraint** |
| Property\_type\_id | Int | Y | - | PK |
| type | char(50) | Y | - |  |

type: bungalow,rowhouse,Flat,plot,armhouse,godown,apartment

**Property\_Features table-11**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column** | **Datatype** | **Not Null** | **Default** | **Constraint** |
| Property\_Feature\_id | Int | Y | - | PK |
| Property\_id | Int | Y | - | Fk |
| Feature\_id | Int | Y | - | Fk |
| Description | char(255) | Y | - |  |

**Features table-12**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column** | **Datatype** | **Not Null** | **Default** | **Constraint** |
| Feature\_id | Int | Y | - | PK |
| title | char(35) | Y | - |  |

**1. distance from city center**

1. **distance from railway station**
2. **distance from airport**
3. **distance from bus terminal**
4. **nearest hospital distance**
5. **nearest school distance**
6. **security guard**
7. **lift**
8. **electric supply**
9. **water supply**
10. **parking**
11. **nearest worship distance**
12. **nearest garden**
13. **nearest community area**

**Property\_actions table-13**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column** | **Datatype** | **Not Null** | **Default** | **Constraint** |
| **Property\_action**\_id | Int | Y | - | PK |
| **Property\_id** | int | Y | - | FK |
| Action\_date | date | Y | - |  |
| Action\_type | bool | Y |  |  |
| Amount | int | Y | - |  |
| Initial\_payment | int | N | - | - |
| status\_id | int | Y | 1 | Fk |
| user\_id | int | ~~N~~ Y | - | fk |

**Note:** Action\_type in not for buy bec. Property is added once, then the buyer of that property suppose in future will sell it again, so he will not need to add that property again,that’s why we do not take action\_type buy. bec. Now he the x person is now seller also.

Action\_type: sell(1), rent(0) ~~buy~~

Initial\_payment:deposit(rent),tokenmoney(sell)

user\_id : buyer or tenant(final), and cannot be null.

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

**My tables –**

**User\_types: table-14**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column** | **Datatype** | **Not Null** | **Default** | **Constraint** |
| user\_type\_id | Int | Y | - | PK |
| type | Varchar(50) | Y | - | unique |

**User\_roles: table-15**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column** | **Datatype** | **Not Null** | **Default** | **Constraint** |
| user\_role\_id | Int | Y | - | PK |
| user\_id | Int | Y | - | FK |
| User\_type\_id | Int | Y | - | FK |