**Database Design:**

**1] Tbl\_Role**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field** | **Type** | **Null** | **Key** | **Default** | **Description** |
| Role\_id | Integer | No | Primary key | Auto increment | Role id |
| Role\_name | Varchar(15) | No |  | Null | Role name |

**2] Tbl\_Login**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field** | **Type** | **Null** | **Key** | **Default** | **Description** |
| Login\_id | Integer | No | Primary key | Auto increment | Login ID |
| uid | Varchar(45) | No |  | Null | User name |
| password | Varchar(25) | No |  | Null | Password |
| Status | Integer | No |  | Null |  |
| Role\_id | Integer | No | Foreign key | Null | Reference to Role\_id(tbl\_Role) |

**3] Tbl\_Category**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field** | **Type** | **Null** | **Key** | **Default** | **Description** |
| Category\_id | Integer | No | Primary key | Auto increment | Category id |
| Category\_name | Varchar(30) | No |  | Null | Category name |

**4] Tbl\_Services**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field** | **Type** | **Null** | **Key** | **Default** | **Description** |
| Service\_id | Integer | No | Primary key | Auto increment | Service id |
| Service\_name | Varchar(60) | No |  | Null | Service name |
| Service\_description | Varchar(120) | Yes |  | Null | Service description |
| Service\_rate | Double | No |  | Null | Service rate |
| Category\_id | Integer | No | Foreign key | Null | Reference to Category\_id(tbl\_Category) |

**5] Tbl\_User**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field** | **Type** | **Null** | **Key** | **Default** | **Description** |
| User\_id | Integer | No | Primary key | Auto increment | User ID |
| Fname | Varchar(45) | No |  | Null | First Name |
| Lname | Varchar(45) | No |  | Null | Last Name |
| Gender | Varchar(10) | No |  | Null | Gender Information |
| Email | Varchar(45) | No |  | Null | Email ID |
| Contact\_No | Integer | No |  | Null | Contact No. |
| Aadhar\_no | Integer | No |  | Null | Aadhar no. |
| Address | Varchar(100) | No |  | Null | Permanent Address |
| Area | Varchar(45) | No |  | Null | Area name |
| Category\_id | Integer | No | Foreign key |  | reference to Category\_id (Tbl\_Category) |
| Login\_id | Integer | No | Foreign key |  | Reference to Login id(Tbl\_Login) |

6**] Tbl\_City**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field** | **Type** | **Null** | **Key** | **Default** | **Description** |
| City\_id | Integer | No | Primary key | Auto Increment | City ID |
| City\_name | Varchar(30) | No |  | Null | City Name |

**7] Tbl\_Area**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field** | **Type** | **Null** | **Key** | **Default** | **Description** |
| Area\_id | Integer | No | Primary key | Auto Increment | Area ID |
| Area\_name | Varchar(45) | No |  | Null | Area name |
| City\_id | Integer | No | Foreign key | Null | Reference to city\_id(tbl\_City) |

**8] Tbl\_ServiceRequest**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field** | **Type** | **Null** | **Key** | **Default** | **Description** |
| Request\_id | Integer | No | Primary key | Auto increment | Service request ID |
| Request\_dateTime | Date and time | No |  | Null | Service request date |
| Request\_Status | Integer | No |  | Null | 1. Initialize Request 2. Accept request 3. Request in progress 4. Request completed 5. Paid |
| User\_id | Integer | No | Foreign key | Null | Reference to User\_id(tbl\_User) |
| Vendor\_id | Integer | No | Foreign key | Null | Reference to User\_id(tbl\_User) |

**9] Tbl\_request\_service(About Composite key)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field** | **Type** | **Null** | **Key** | **Default** | **Description** |
| Request\_id | Integer | No | Primary key | Auto increment | Reference to request\_id(tbl\_ServiceRequest) |
| Service\_id | Integer | No |  | Null | Reference to request\_id(Tbl\_Services) |

**10] Tbl\_Customerbill**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field** | **Type** | **Null** | **Key** | **Default** | **Description** |
| Bill\_id | Integer | No | Primary key | Auto increment | Customer bill Id |
| Bill\_datetime | Datetime | No |  | Null | Bill date and time |
| Bill\_amount | Double | No |  | Null | Total bill amount |
| Payment\_mode | Varchar(30) | No |  | Null | Mode of payment |
| Transaction\_id | Bigint | No |  | Null | Transaction id of bill |
| Bill\_status | Integer | No |  | Null | Status of bill |
| Request\_id | Integer | No | Foreign key | Null | Reference to request\_id(tbl\_ServiceRequest) |

**11] Tbl\_Vendorbill**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field** | **Type** | **Null** | **Key** | **Default** | **Description** |
| Bill\_vendor\_id | Integer | No | Primary key | Auto increment | Customer bill Id |
| Bill\_datetime | Datetime | No |  | Null | Bill date and time |
| Bill\_amount | Double | No |  | Null | Total bill amount |
| Payment\_mode | Varchar(30) | No |  | Null | Mode of payment |
| Transaction\_id | Bigint | No |  | Null | Transaction id of bill |
| Bill\_status | Integer | No |  | Unpaid | Status of bill |
| Request\_id | Integer | No | Foreign key | Null | Reference to request\_id(tbl\_ServiceRequest) |

**12] Tbl\_Rating**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field** | **Type** | **Null** | **Key** | **Default** | **Description** |
| Rating\_id | Integer | No | Primary key | Auto increment | Rating id |
| Rating | Integer | No/  yes |  | Null | Rating for vendor provided by customer(Check constraint)  1,2,3,4,5 |
| Comment | Varchar(150) | Yes |  | Null | Review given by customer |
| Customer\_id | Integer | No | Foreign key | Null | Reference to User\_id(tbl\_User) |
| Vendor\_id | Integer | No | Foreign key | Null | Reference to User\_id(tbl\_User) |