***Database Design***

**users**

|  |  |  |  |
| --- | --- | --- | --- |
| **Element Name** | **Element Description** | **Data types** | **Constraint** |
| id | Id | int (11) | Primary Key |
| fname | fname | varchar (200) | Not Null |
| lname | lname | varchar (200) | Not Null |
| email | email | varchar (200) | Not Null |
| password | password | varchar (200) | Not Null |
| role\_as | role\_as | tinyint (4) | As defined  Default  (0) |
| status | status | tinyint (1) | As defined  Default  (0) |
| created\_at | created\_at | timestamp | current\_timestamp () |

**house**

|  |  |  |  |
| --- | --- | --- | --- |
| **Element Name** | **Element Description** | **Data Types** | **Constraint** |
| house\_id | house\_id | int (11) | Primary Key |
| house\_no | House\_no | varchar (200) | Not Null |
| image | Image | varchar (200) | Not Null |
| House\_type | House\_type | varchar (200) | Not Null |

**member**

|  |  |  |  |
| --- | --- | --- | --- |
| **Element Name** | **Element Description** | **Data types** | **Constraint** |
| member\_id | member\_id | int (11) | Primary Key |
| member\_name | member\_name | varchar (200) | Not Null |
| member\_email | member\_email | varchar (200) | Not Null |
| member\_password | member\_password | varchar (200) | Not Null |
| member\_contact\_no | member\_contact\_no | varchar (200) | Not Null |
| house\_id | house\_id | int (11) | Foreign key |

**rent**

|  |  |  |  |
| --- | --- | --- | --- |
| **Element Name** | **Element Description** | **Data types** | **Constraint** |
| rent\_id | rent\_id | int (11) | Primary Key |
| rent\_amount | rent\_amount | int (11) | Not Null |
| member\_id | member\_id | int (11) | Foreign Key |
| rent\_date | rent\_date | datetime | Not Null |
| image | Image | Varchar (200) | Not Null |

**sell**

|  |  |  |  |
| --- | --- | --- | --- |
| **Element Name** | **Element Description** | **Data types** | **Constraint** |
| sell\_id | sell\_id | int (11) | Primary Key |
| sell\_amount | sell\_amount | int (11) | Not Null |
| member\_id | member\_id | int (11) | Foreign Key |
| sell\_date | sell\_date | datetime | Not Null |
| image | Image | varchar (200) | Not Null |

**notice**

|  |  |  |  |
| --- | --- | --- | --- |
| **Element Name** | **Element Description** | **Data types** | **Constraint** |
| notice\_id | notice\_id | int (11) | Primary Key |
| notice\_title | notice\_title | varchar (200) | Not Null |
| notice\_description | notice\_description | mediumtext (200) | Not Null |
| image | Image | varchar (200) | Not Null |
| notice\_date | notice\_date | datetime | Not Null |

**event**

|  |  |  |  |
| --- | --- | --- | --- |
| **Element Name** | **Element Description** | **Data types** | **Constraint** |
| event\_id | event\_id | int (11) | Primary Key |
| event\_subject | event\_subject | varchar (200) | Not Null |
| event\_description | event\_description | mediumtext (500) | Not Null |
| Image | Image | varchar (200) | Not Null |
| event\_date | event\_date | datetime | Not Null |
| event\_status | event\_status | varchar (200) | As defined  Default  (pending) |

**complain**

|  |  |  |  |
| --- | --- | --- | --- |
| **Element Name** | **Element Description** | **Data types** | **Constraint** |
| complain\_id | complain\_id | int (11) | Primary Key |
| complain \_subject | complain\_subject | varchar (200) | Not Null |
| complain\_description | complain\_description | mediumtext (500) | Not Null |
| member\_id | member\_id | int (11) | Foreign Key |
| complain\_reply | complain\_reply | mediumtext (500) | Not Null |
| complain\_status | complain\_status | varchar (200) | As defined  Default  (pending) |
| complain\_date | complain\_date | timestamp | current\_timestamp () |

**maintenance**

|  |  |  |  |
| --- | --- | --- | --- |
| **Element Name** | **Element Description** | **Data types** | **Constraint** |
| maintenance\_id | maintenance\_id | int (11) | Primary Key |
| maintenance\_year | maintenance\_year | datetime | Not Null |
| maintenance\_month | maintenance\_month | datetime | Not Null |
| maintenance\_charges | maintenance\_charges | int (11) | Not Null |
| maintenance\_title | maintenance\_title | varchar (200) | Not Null |
| maintenance\_description | maintenance\_ description | mediumtext (500) | Not Null |
| maintenance\_status | maintenance\_status | varchar (200) | As defined  Default  (pending) |
| maintenance\_date | maintenance\_date | datetime | Not Null |

**committee\_members**

|  |  |  |  |
| --- | --- | --- | --- |
| **Element Name** | **Element Description** | **Data types** | **Constraint** |
| committee\_id | committee\_id | int (11) | Primary Key |
| member\_name | member\_name | varchar (200) | Not Null |
| image | Image | varchar (200) | Not Null |
| member\_contact\_no | member\_contact\_no | int (11) | Not Null |
| designation | designation | varchar (200) | Not Null |

**Society\_rules**

|  |  |  |  |
| --- | --- | --- | --- |
| **Element Name** | **Element Description** | **Data types** | **Constraint** |
| society\_id | society\_id | int (11) | Primary Key |
| society\_description | society\_description | mediumtext (500) | Not Null |

**Contactus**

|  |  |  |  |
| --- | --- | --- | --- |
| **Element Name** | **Element Description** | **Data types** | **Constraint** |
| contactus\_id | contactus \_id | int (11) | Primary Key |
| name | Name | varchar (200) | Not Null |
| email | Email | varchar (200) | Not Null |
| message | message | varchar (200) | Not Null |