**TABLE DESIGN: ONLINE HOSTEL AUTOMATION SYSTEM**

**Table 1**: tbl\_StudReg

Primary key : StudRegId

Foreign key : LoginId,StateId,AddId,CourseId,BranchId,DistrictId

|  |  |  |  |
| --- | --- | --- | --- |
| Field Name | Field Type | Size | Description |
| StudRegId | Integer | 2 | Student Registration Id |
| LoginId | Integer | 2 | Login Id references from tbl\_Login |
| AddId | Integer | 2 | References from tbl\_Address |
| StateId | Integer | 2 | References from tbl\_State |
| DistrictId | Integer | 2 | References from tbl\_District |
| CourseId | Integer | 2 | References from tbl\_Course |
| BranchId | Integer | 2 | References from tbl\_Branch |
| RoomTypeId | Integer | 2 | References from tbl\_RoomType |
| FName | Varchar | 50 | First name of the Student |
| LName | Varchar | 50 | Last name of the Student |
| From | Varchar | 10 | Start of course |
| To | Varchar | 10 | End of course |
| Batch | Varchar | 20 | Academic Duration |
| ContactNo | Integer | 10 | Mobile number of the Student |
| Image | Varchar | 20 | Photo |
| FatherName | Varchar | 50 | Father Name |
| Occup | Varchar | 20 | Father Occupation |
| MobNo | Integer | 10 | Father Mobile Number |
| GName | Varchar | 50 | Guardian Name |
| Gmob | Integer | 10 | Guardian Mobile Number |
| Religion | Varchar | 20 | Religion |
| Dob | date |  | Date of Birth |
| Gender | boolean | 1 | Gender |
| Email | Varchar | 30 | Email Id |
| Cast | Varchar | 20 | Cast |
| StudRegStatus | Integer | 2 | Valid/Invalid |
| WardenRating | Int | 4 | Warden Rating |

**Table 2**: tbl\_FacReg

Primary key : FacRegId

Foreign key : LoginId

|  |  |  |  |
| --- | --- | --- | --- |
| Field Name | Field Type | Size | Description |
| FacRegId | Int | 2 | Faculty Registration Id |
| LoginId | Int | 2 | Reference from tbl\_Login |
| AddId | Int | 2 | Reference from tbl\_Address |
| desig | Varchar | 20 | Designation |
| FName | Varchar | 50 | First name of the faculty |
| LName | Varchar | 50 | Last name of the faculty |
| Dept | Varchar | 20 | Depertment |
| Mobno | Int | 10 | Mobile number |
| Image | Varchar | 20 | Photo |
| FacRegStatus | Int | 2 | Valid/Invalid |

**Table 3**: tbl\_Login

Primary key : LoginId

|  |  |  |  |
| --- | --- | --- | --- |
| Field Name | Field Type | Size | Description |
| LoginId | Int | 2 | Login Id |
| username | Varchar | 50 | Username |
| Password | Varchar | 50 | Password |
| userType | Int | 2 | User Type |
| LogStatus | Int | 1 | Exit/Not |

**Table 4**: tbl\_Room

Primary key : Roomno

Foreign key : BlockId,RoomTypeId

|  |  |  |  |
| --- | --- | --- | --- |
| Field Name | Field Type | Size | Description |
| Roomno | Int | 2 | Room Number |
| BlockId | Int | 2 | Reference from tbl\_Block |
| RoomTypeId | Int | 2 | Reference from tbl\_RoomType |
| capacity | Int | 2 | Capacity of Room |
| Nooffans | Int | 2 | Number of Fans in Room |
| RoomStatus | Int | 2 | 0-> No bed space available  1->One bed space available  2->Two bed space available |

**Table 5**: tbl\_RoomType

Primary key : RoomTypeId

|  |  |  |  |
| --- | --- | --- | --- |
| Field Name | Field Type | Size | Description |
| RoomTypeId | Int | 2 | Room Type Id |
| RoomType | Varchar | 20 | Type of Room |

**Table 6**: tbl\_Allotment

Primary key : AllotmentId

Foreign key : LoginId,Roomno

|  |  |  |  |
| --- | --- | --- | --- |
| Field Name | Field Type | Size | Description |
| AllotmentId | Int | 2 | Allotment Id |
| LoginId | Int | 2 | Reference from tbl\_Login |
| Roomno | Int | 2 | Reference from tbl\_Room |
| AllotmentDate | Date |  | Room Allotment date |
| Vacate | Date |  | Room vacate date |

**Table 7**: tbl\_Warden

Primary key : WardenId

Foreign key : LoginId

|  |  |  |  |
| --- | --- | --- | --- |
| Field Name | Field Type | Size | Description |
| WardenId | Int | 2 | Warden Id |
| LoginId | Int | 2 | Reference from tbl\_Login |
| Name | Varchar | 50 | Warden Name |
| Phno | Int | 10 | Phone number of warden |
| Email | Varchar | 30 | Email Id of the warden |
| Housename | Varchar | 30 | House name |
| Place | Varchar | 30 | Place of warden |
| Pinno | Int | 6 | Pin number |
| WardenStatus | Int | 1 | Status |

**Table 8**: tbl\_Outpass

Primary key : OutpassId

Foreign key : LoginId

|  |  |  |  |
| --- | --- | --- | --- |
| Field Name | Field Type | Size | Description |
| OutpassId | Int | 2 | Outpass Id |
| LoginId | Int | 2 | Reference from tbl\_Login |
| FromDate | Date |  | Issue Date |
| ToDate | Date |  | End Date |
| FromTime | Time |  | Issue Time |
| ToTime | Time |  | End Time |
| Place | Varchar | 20 | Place |
| Purpose | Varchar | 30 | Purpose for Outpass |
| OutpassStatus | Int | 1 | Status |

**Table 9**: tbl\_Block

Primary key : BlockId

Foreign key : WardenId

|  |  |  |  |
| --- | --- | --- | --- |
| Field Name | Field Type | Size | Description |
| BlockId | Int | 2 | Block Id |
| WardenId | Int | 2 | Reference from tbl\_Warden |
| BlockName | Varchar | 20 | Name of the block |
| StartRoom | Int | 2 | Starting Room |
| EndRoom | Int | 2 | Ending Room |

**Table 10**: tbl\_FoodMngmnt

Primary key : FoodId

Foreign Key : ItemId

|  |  |  |  |
| --- | --- | --- | --- |
| Field Name | Field Type | Size | Description |
| FoodId | Int | 2 | Food Id |
| ItemId | Int | 2 | Reference from tbl\_Items |
| Time | Time |  | Food Time |
| Date | Date |  | Date |
| Day | Varchar | 10 | Day |
| Status | Int | 1 | Status |

**Table 11**: tbl\_Items

Primary key : ItemId

|  |  |  |  |
| --- | --- | --- | --- |
| Field Name | Field Type | Size | Description |
| ItemId | Int | 2 | Item Id |
| ItemName | Varchar | 20 | Name of the food item |

**Table 12**: tbl\_Fee

Primary key : FeeId

|  |  |  |  |
| --- | --- | --- | --- |
| Field Name | Field Type | Size | Description |
| FeeId | Int | 2 | Fee Id |
| FeeName | Varchar | 20 | Fee Name |
| FeeCost | Int | 10 | Fee Cost |

**Table 13**: tbl\_Rent

Primary key : RentId

Foreign key : LoginId

|  |  |  |  |
| --- | --- | --- | --- |
| Field Name | Field Type | Size | Description |
| RentId | Int | 2 | Rent Id |
| LoginId | Int | 2 | Reference from tbl\_Login |
| From | Date |  | From Date |
| To | Date |  | To Date |
| Cost | Int | 10 | Room Rent |
| Pdate | Date |  | Payment Date |

**Table 14**: tbl\_Mess

Primary Key : MessId

Foreign Key : LoginId

|  |  |  |  |
| --- | --- | --- | --- |
| Field Name | Field Type | Size | Description |
| MessId | Int | 2 | Mess Id |
| LoginId | Int | 2 | Reference from tbl\_Login |
| From | Date |  | From Date |
| To | Date |  | To Date |
| Cost | Int | 10 | Mess Fee Cost |
| Pdate | Date |  | Payment Date |

**Table 15**: tbl\_Laundry

Primary Key : LaundryId

Foreign Key : LoginId

|  |  |  |  |
| --- | --- | --- | --- |
| Field Name | Field Type | Size | Description |
| LaundryId | Int | 2 | Laundry Id |
| LoginId | Int | 2 | Reference from tbl\_Login |
| From | Date |  | From Date |
| To | Date |  | To Date |
| Cost | Int | 10 | Laundry Cost |
| Pdate | Date |  | Payment Date |

**Table 16**: tbl\_Complaints

Primary Key : ComplaintId

Foreign Key : Roomno , LoginId

|  |  |  |  |
| --- | --- | --- | --- |
| Field Name | Field Type | Size | Description |
| ComplaintId | Int | 2 | Complaint Id |
| LoginId | Int | 2 | Reference from tbl\_Login |
| Roomno | Int | 2 | Reference from tbl\_Room |
| date | Date |  | Complaint Date |
| ComplaintDes | Varchar | 50 | Description of Complaint |
| Status | Int | 1 | Status |

**Table 17**: tbl\_Feedback

Primary Key : FeedbackId

Foreign Key : Roomno , LoginId

|  |  |  |  |
| --- | --- | --- | --- |
| Field Name | Field Type | Size | Description |
| FeedbackId | Int | 2 | Feedback Id |
| LoginId | Int | 2 | Reference from tbl\_Login |
| Roomno | Int | 2 | Reference from tbl\_Room |
| Feedbackdes | Varchar | 50 | Feedback Description |
| Status | Int | 1 | Status |

**Table 18**: tbl\_Events

Primary Key : EventId

|  |  |  |  |
| --- | --- | --- | --- |
| Field Name | Field Type | Size | Description |
| EventId | Int | 2 | Event Id |
| Eventtime | Time |  | Event Time |
| EventDes | Varchar | 30 | Event Description |
| FromDate | Date |  | Event Start Date |
| ToDate | Date |  | Event End Date |

**Table 19**: tbl\_EventItems

Primary key : ItemId

Foreign key : EventId

|  |  |  |  |
| --- | --- | --- | --- |
| Field Name | Field Type | Size | Description |
| ItemId | Int | 2 | Event Item Id |
| EventId | Int | 2 | Reference from tbl\_Events |
| Itemname | Varchar | 30 | Event Item Name |
| ItemFirstprize | Varchar | 15 | First Prize |
| ItemSecondprize | Varchar | 15 | Second Prize |
| ItemThirdprize | Varchar | 15 | Third Prize |
| ItemTime | Time |  | Event Time |
| ItemDate | Date |  | Event Date |

**Table 20**: tbl\_EventReg

Primary key : EventRegId

Foreign key : LoginId , EventId , ItemId

|  |  |  |  |
| --- | --- | --- | --- |
| Field Name | Field Type | Size | Description |
| EventRegId | Int | 2 | Event Registration Id |
| LoginId | Int | 2 | Reference from tbl\_Login |
| EventId | Int | 2 | Reference from tbl\_Events |
| ItemId | Int | 2 | Reference from tbl\_EventItems |
| Date | Date |  | Date of event registration |

**Table 21**: tbl\_State

Primary key : StateId

|  |  |  |  |
| --- | --- | --- | --- |
| Field Name | Field Type | Size | Description |
| StateId | Int | 2 | State Id |
| StateName | Varchar | 20 | Name of State |
| Status | Int | 1 | Valid/Not |

**Table 22**: tbl\_District

Primary key : DistrictId

Foreign key : StateId

|  |  |  |  |
| --- | --- | --- | --- |
| Field Name | Field Type | Size | Description |
| DistrictId | Int | 2 | District Id |
| StateId | Int | 2 | Reference from tbl\_State |
| District | Varchar | 20 | District Name |
| Status | Int | 1 | Valid/Not |

**Table 23**: tbl\_Address

Primary key : AddId

Foreign key : DistrictId

|  |  |  |  |
| --- | --- | --- | --- |
| Field Name | Field Type | Size | Description |
| AddId | Int | 2 | Address Id |
| DistrictId | Int | 2 | Reference from tbl\_District |
| HouseName | Varchar | 30 | Name of House |
| Place | Varchar | 30 | Place to live |
| Pinno | Int | 6 | Pin Number |
| Status | Int | 1 | Valid/Not |

**Table 24**: tbl\_Course

Primary key : CourseId

|  |  |  |  |
| --- | --- | --- | --- |
| Field Name | Field Type | Size | Description |
| CourseId | Int | 2 | Course Id |
| CourseName | Varchar | 20 | Name of the Course |
| Status | Int | 1 | Valid/Not |

**Table 25**: tbl\_Branch

Primary key : BranchId

Foreign key : CourseId

|  |  |  |  |
| --- | --- | --- | --- |
| Field Name | Field Type | Size | Description |
| BranchId | Int | 2 | Branch Id |
| CourseId | Int | 2 | Reference from tbl\_Course |
| Branch | Varchar | 20 | Branch Name |
| Status | Int | 1 | Valid/Not |