**HOSTEL MANAGEMENT SYSTEM**

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**ABSTRACT**

Hostel Management System is an online application developed for managing various activities of the hostel. This particular project deals with the problem on managing the hostel and avoids the problems which occurred when carried manually.

This solution is developed on the plight of the hostel management team, through this they cannot require so efficient person to handle and manage the affairs of the students in the hostel, all you need to do is to login as administrator and you can see the information of all the students who have obtained and registered their hostel form, click verify to ascertain their eligibility and allocate them to the available hostel.

The modules thus included are:

**ADMIN MODULE:**

The admin deals with the following:

* + Student admission
  + Room allotment
  + Fees payment details
  + Manage hostel details
  + Vacation process
  + Vacating process

**USER MODULE:**

The user deals with the following:

* + User registration
  + User login
  + User profile
  + Hostel details
  + Fees payment

**USE CASE DIAGRAM**



**DATA FLOW DIAGRAM**

CONTEXT Level DFD



Level1 DFD for Admin



Level1 DFD for User



**TABLE DESIGN**

1. **Table design:** login\_tbl

**Primary Key:** l\_id

|  |  |  |
| --- | --- | --- |
| **Field** | **Datatype** | **Description** |
| Login\_id | int | Login id |
| Username | Varchar | Login username |
| password | Varchar | User password |
| role | Varchar | Privileges |

1. **Table design:** dept\_tbl

**Primary Key:** dept\_id

|  |  |  |
| --- | --- | --- |
| **Field** | **Datatype** | **Description** |
| dept\_id | Int | Department id |
| dept\_name | Varchar | Department name |
| Dept\_status | Varchar | Department status |

1. **Table design:** district\_tbl

**Primary Key:** district\_id

|  |  |  |
| --- | --- | --- |
| **Field** | **Datatype** | **Description** |
| district\_id | Int | District id |
| district\_name | Varchar | District name |
| District\_status | varchar | District status |

1. **Table design:** state\_tbl

**Primary Key:** state\_id

|  |  |  |
| --- | --- | --- |
| **Field** | **Datatype** | **Description** |
| State\_id | int | State id |
| State\_name | Varchar | State name |
| State\_status | Varchar | State status |

1. **Table design:** religion\_tbl

**Primary Key:** religion\_id

|  |  |  |
| --- | --- | --- |
| **Field** | **Datatype** | **Description** |
| Religion\_id | Int | Religion id |
| Religion\_name | Varchar | Religion name |
| Religion\_status | varchar | Status |

1. **Table design:** student\_info\_tbl

**Primary Key:** student\_id

**Foreign Key:** dept\_id, state\_id, course\_id, religion\_id, caste\_id

|  |  |  |
| --- | --- | --- |
| **Field** | **Datatype** | **Description** |
| Student\_id | Int | Student id |
| Student\_name | Varchar | Student name |
| Email\_id | Varchar | Email id |
| Password | Varchar | Password of student |
| DOB | Varchar | Date of birth |
| Hname | Varchar | House name |
| Place | Varchar | Place |
| Pincode | Varchar | Pincode |
| District\_id | Int | District id |
| State\_id | Int | State id |
| Mobile\_no | Varchar | Mobile number |
| Father\_name | Varchar | Fathers name |
| Father\_occup | Varchar | Fathers occupation |
| Fmobile\_no | Varchar | Father mobile number |
| Mother\_name | Varchar | Mothers name |
| Mother\_occup | Varchar | Mothers occupation |
| Mmobile\_no | Varchar | Mothers mobile number |
| Local\_guardian | Varchar | Local guardian |
| Relation | Varchar | Relation |
| Local\_mobile\_no | Varchar | Guardian mobile number |
| Course\_id | Int | Course id |
| Date\_admit | Varchar | Date of admission |
| Date\_end | Varchar | Date of ending |
| Religion\_id | Int | Religion id |
| Caste\_id | Int | Caste id |
| Student\_status | Varchar | Student approval status |
| Department\_id | Int | Department id |

1. **Table design:** room\_tbl

**Primary Key:** room\_id

**Foreign Key:** block\_id

|  |  |  |
| --- | --- | --- |
| **Field** | **Datatype** | **Description** |
| Room\_id | Int | Room id |
| Block\_id | Int | Block id |
| Room\_no | Varchar | Room number |
| No\_of\_beds | Varchar | Number of beds |
| Room\_status | varchar | Room status |

1. **Table design:** block\_tbl

**Primary Key:** block\_id

|  |  |  |
| --- | --- | --- |
| **Field** | **Datatype** | **Description** |
| Block\_id | Int | Block id |
| Block\_name | Varchar | Block name |
| Category | Varchar | Block category |
| Block\_status | varchar | Block status |

1. **Table design:** course\_tbl

**Primary Key:** course\_id

|  |  |  |
| --- | --- | --- |
| **Field** | **Datatype** | **Description** |
| Course\_id | Int | Course id |
| Course\_name | Varchar | Course name |
| Course\_status | varchar | Course status |

1. **Table design:** caste\_tbl

**Primary Key:** caste\_id

|  |  |  |
| --- | --- | --- |
| **Field** | **Datatype** | **Description** |
| Caste\_id | Int | Caste id |
| Caste\_name | Varchar | Caste name |
| Caste\_status | Varchar | Caste status |

1. **Table design:** outpass\_tbl

**Primary Key:**outpass\_id

**Foreign Key:** student\_id

|  |  |  |
| --- | --- | --- |
| **Field** | **Datatype** | **Description** |
| Outpass\_id | Int | Outpass id |
| Student\_id | Int | Student id |
| Date\_leave | Varchar | Date of leaving |
| Time\_leave | Varchar | Time of leaving |
| Date\_return | Varchar | Date of return |
| Time\_return | Varchar | Time of return |
| Reason | Varchar | Reason for outpass |
| Outpass\_status | Varchar | Outpass status |

1. **Table design:**feestructure\_tbl

**Primary Key:**fee\_id

**Foreign Key:** student\_id

|  |  |  |
| --- | --- | --- |
| **Field** | **Datatype** | **Description** |
| Fee\_id | Int | Fee id |
| Student\_id | Int | Student id |
| Rent | Varchar | Room rent |
| Mess | Varchar | Mess fee |
| Laundry | Varchar | Laundry fee |
| Newspaper | Varchar | Newspaper |
| Total | Varchar | Total fees |
| Fee\_status | Varchar | Fee status |

1. **Table design:** maintenance\_tbl

**Primary Key:**maintenance\_id

**Foreign Key:** room\_id,block\_id

|  |  |  |
| --- | --- | --- |
| **Field** | **Datatype** | **Description** |
| Maintenance\_id | Int | Maintenance id |
| Room\_id | Int | Room id |
| Block\_id | Int | Block id |
| Work | Varchar | Work to be done |
| Maintenance\_status | Varchar | Maintenance status |

1. **Table design:** vacating\_tbl

**Primary Key:**vacate\_id

**Foreign Key:** student\_id

|  |  |  |
| --- | --- | --- |
| **Field** | **Datatype** | **Description** |
| Vacate\_id | Int | Vacate id |
| Student\_id | Int | Student id |
| Reason | Varchar | Reson to vacate |
| Vacate\_status | Varchar | Vacate status |
| Vacate\_date | varchar | Vacating date |

1. **Table design:** complaint\_tbl

**Primary Key:**complaint\_id

**Foreign Key:** student\_id

|  |  |  |
| --- | --- | --- |
| **Field** | **Datatype** | **Description** |
| Complaint\_id | Int | Complaint id |
| Student\_id | Int | Student id |
| Complaint | Varchar | Complaint |
| Compl\_status | Varchar | Complaint status |

1. **Table design:**room\_allot\_tbl

**Primary Key:**allot\_id

**Foreign Key:** room\_id,student\_id

|  |  |  |
| --- | --- | --- |
| **Field** | **Datatype** | **Description** |
| Allot\_id | Int | Allot id |
| Student\_id | Int | Student id |
| Room\_id | Int | Room id |
| Allot\_status | Varchar | Allot status |

1. **Table design:** payment\_tbl

**Primary Key:**payment\_id

**Foreign Key:** fee\_id,card\_id,bank\_id

|  |  |  |
| --- | --- | --- |
| **Field** | **Datatype** | **Description** |
| Payment\_id | Int | Payment id |
| Fee\_id | Int | Fee id |
| Card\_id | Int | Card id |
| Bank\_id | Int | Bank id |
| Cvv | Varchar | Cvv number |
| Card\_no | Varchar | Card number |
| Name | Varchar | Name on the card |
| Expiry\_date | varchar | Expiry date |

1. **Table design:** cardtype\_tbl

**Primary Key:**card\_id

|  |  |  |
| --- | --- | --- |
| **Field** | **Datatype** | **Description** |
| Card\_id | Int | Card id |
| Card\_type | Varchar | Card type |

1. **Table design:** bank\_tbl

**Primary Key:**bank\_id

|  |  |  |
| --- | --- | --- |
| **Field** | **Datatype** | **Description** |
| Bank\_id | Int | Bank id |
| Bank\_name | Varchar | Bank name |

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