



Database Project

Hostel Management System

Group Members:

Student 1:

Name: ZIA UR REHMAN

ID: F2020266082

Student 2:

Name: M KOSAIN HAIDER

ID: F2020266096

Student 3:

Name: ALI RAZA

ID: F2020266304

Student 4:

Name: UMER TAHIR

ID: F2020266178

Hostel Management System

Project Detail:

- ❖ Hostel Management System (HMS) is system to manage various activities in hostel.
- ❖ HMS has the following features:
 - Activities are handled by admin
 - It manages hostels, total rooms, student details, hostel expenses, student bills, gym, Mess as well.

Tables & own Attributes:

- ❖ Hostel
 - Hostel ID, name, and type (Girls, Boys or Staff etc.)
 - Hostel location
 - Number of floors and rooms
- ❖ Room
 - Room No and name
 - Room assets, capacity, and strength
 - Room facilities
- ❖ Student
 - Student ID
 - Stud Name
 - Date of Birth
 - Semester
 - Allocated Room
 - CNIC
 - Phone No

- ❖ Guardian Info
 - Student ID
 - Guardian Name
 - Guardian CNIC
 - Relationship
- ❖ Shift (Room Shifting)
 - Current Room No
 - Stud Id
 - Requested Room No
 - Availability Status
- ❖ Student bill
 - Date
 - Type(rent, mess, gym)
 - Charges
 - Total Bill
- ❖ Hostel bill
 - Utility Bills
 - Maintenance
 - Daily Charges
- ❖ Admin
 - Admin ID, Name
 - Password
 - CNIC
 - Phone No
- ❖ Visitor Record
 - CNIC
 - Name
 - Student Id
 - Relation (with student)
 - Date, In Time, Out Time

Description:

A HMS prides itself on having updated information of hostels and students. A HMS is used by admin; every admin has its own ID and password to access the system. A hostel has its unique ID, type (boys or girls), total floor and rooms. A hostel has many rooms identifies by room Id. A room has its capacity, its assets or facilities. A room has a one or more students according to its capacity. A student can request to change his/her room.

A student information is essential to maintain the integrity of HMS. It includes student CNIC, Name, stud Id, semester, room no, phone No. Student has its guardian (CNIC, Name), there is one guardian for each student but there can be more student against one guardian.

A student pay its rent per semester, which is essential but additional charges like mess or gym per month, if he/she avail the services. Admin issued a bill to student, whenever he/she pays charges. To maintain the integrity of system stud ID must match if not then it will generate error.

A hostel has its own expenses, which include maintenance, utility bills, daily charges, mess cost.

A student has a visitor. We have to record the visitor information for security reasons. It must include CNIC, Name and relation with student. A student can have many visitors and a visitor can visit many students.