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# Hostel Management System (Proposal)

Muhammad Mubashar Ijaz	20F-0220
Zaeem Muhammad Yaseen	20F-0329
Talha Habeeb	18F-0306

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# **HOSTEL MANAGEMENT SYSTEM.**

## **Introduction:**

Hostel Management System is a desktop-based application that will help to store all the records as well as information of a student. This project will contain many features. It will be controlled by Hostel Management and will be used to perform actions on the records/information's from data-base. It will help to avoid the problems which occur when carried out manually. It will improve the efficiency of the systems. This HMS will have the ability to manage room allotments, report generation, etc. and many more things.

## **Background:**

As a hostelite, I can well understand the problems which are faced by the students (hostelite) as well as by me in our daily life. Actually, I have got some things in my mind about the project which I think will be beneficial. Following tool will be used for creating the project:

- Microsoft Visual Studio (2019).
  - Windows Form

Following languages will be used for creating the project:

- C++
- Structures Query Language (SQL 11g).

## **Features:**

The project will contain the following features:

- User-Friendly Interface.
- Save time and accuracy in work.
- Store students record in data-base.
- Ensure high security of the data.
- Efficient way of inserting, updating and deleting record/information of the students/faculty.
- Students can view:
  - information of their rooms.
  - Mess bill.
  - Hostel bill
  - Mess attendance

## **Tables:**

- Building (building.num , building.type , building.name , building.tot\_floor , building.tot\_room , building.tot\_std)
- Floor (floor.num , floor.name , floor.tot\_room , floor.tot\_std , floor.tot\_single\_room , floor.tot\_double\_room , floor.tot\_shared\_room)
- Room (room.number , room.build\_name , room.floor\_name , room.type , room.capacity , room.availability)

- Student (std.reg , std.roll , std.name , std.age , std.room , std.building)
- Mess (mess.std\_roll , mess.month , mess.std\_bill , mess.std\_tot\_meal , mess.status)
- Meals (meals.std\_roll , meals.tot\_breakfast , meals.tot\_lunch , meals.tot\_dinner)
- Gym (gym.std\_name , gym.std\_rollno , gym.status, gym.avail\_date, gym.subscription\_type)
- Vistors (visitor.CNIC, visitor.Name, Vistor.Refrence , visit.date/time)
- Allotment (allot.room\_number , allot.building , allot.floor , allot.availability)
- Hostel (hostel.address , hoste.std\_roll , hostel.bill\_status)