

# **Hostel Management System**

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## **Problem addressed: -**

We have got around 14 hostels in our university, which consist of 8 boy's hostel and 6 girl's hostels. All these hostels at present are managed manually by the hostel office. The Registration form verification to the different data processing is done manually.

Thus, there are a lot of repetitions which can be easily avoided. And hence there is a lot of strain on the person who are running the hostel and software's are not usually used in this context.

This particular project deals with the problems on managing a hostel and avoids the problems which occur when carried manually. Identification of the drawbacks of the existing system leads to the designing of computerized system that will be compatible to the existing system with the system which is more user friendly and more GUI oriented. We can improve the efficiency of the system, thus overcome the drawbacks of the existing system.

## **Present scenario: -**

The aim of the project is to develop a GUI based software that will streamline registration process, reduce administrative tasks and paperwork so as to improve the registration and hostel accommodation booking cycle process flow. In order to help students and the college administration to effectively manage various activities pertaining to accommodation, a Web based Student Hostel Management Software System will be designed and developed using a Model View Controller Framework.

The GUI based Student Hostel Management Software System will be able to:

- Allow the Administrator to manage students (Create, update and delete student details)
- Allow the Administrator to manage hostels (Setup, update and delete hostels).
- Allow Hostel Manager to add student, process bookings and approve application.

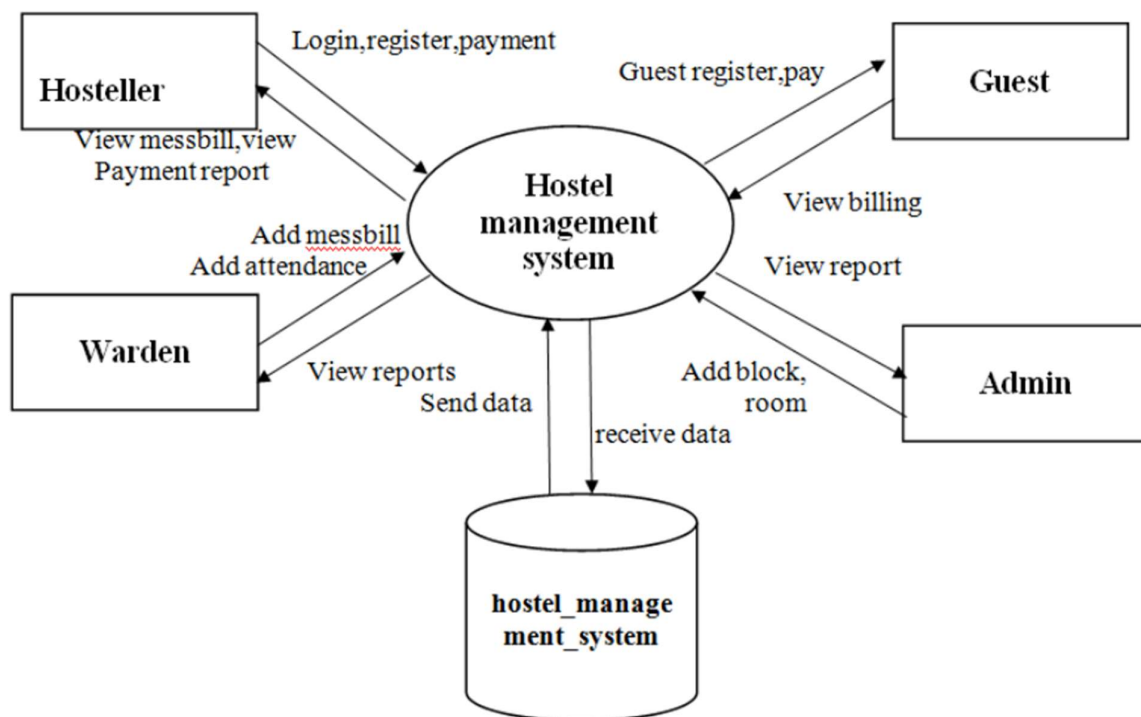
### Methodology (Sample)

This project can be divided in 3 main parts based on the functionality namely the **Students**, Warden and **Administer**.

There will be handle requests for these 3 functions which are explained as: -

- Students – Apply for room, View mess schedule, Students can enrol their complaints in complaints page, Out-pass application for the students, Helpline No. warden, hospital, etc
- Warden – View complaints, Edit mess schedule, View students details, View available rooms, Attendance, View Out-pass applications of students.
- Administer – – View/Delete complaints, Edit mess schedule, View/Edit students details, View/Edit available rooms, Attendance, View/Delete Out-pass applications of students.

### Diagram: -



### Application of the project

Once the GUI based Student Hostel Management Software System is developed, it will provide for the efficient and reliable service delivery and be the most effective tool for interaction between the students and the college. It will also allow students to apply for accommodation anytime and anywhere in their comfort zones provided they have internet facilities using their laptops.

- Hostels, colleges