HOSTEL MANAGEMENT SYSTEM

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OUTLINE

- Abstract
- Problem Statement
- Aims, Objective & Proposed System/Solution
- System Design/Architecture
- System Development Approach (Technology Used)
- Algorithm & Deployment
- Conclusion
- Future Scope
- References
- Video of the Project

Abstract

Targeted for the Hostel integrates the transaction management of the Hostel for better control and timely response. Thiseliminates time delay and paper transactions being marked. The warden is provided with a bettercontrol over the transactions like adding the details of new students in the hostel, modifying the details of the students, deleting the students, viewing the students details in the Hostel. This project's main motto is to reduce the effort of Wardens and provide better service to the students.The goal of this project is to develop a system for the computerization of the Hostel. The commontransactions of the hostel includes the maintenance of mess bills, information about students in the hostel, enrolling of new students and their payments and dues etc are stored into the databases andreports are generated according to the user

TECHNOLOGIES USED FOR FRONTEND
- HTML
- CSS
- JAVASCRIPT
- BOOTSTRAP
- REACT JS

TECHNOLOGIES USED FORBACKEND
- MYSQL
- PHP

Problem Statement

- The major findings showed that inadequate hostel accommodation, overcrowding, location of hostel very far from classroom area, inadequate supply of social amenities, inadequate toilets facilities, poor sanitation and dilapidated hostel building constitutes part of the challenges in managing students' hostel ...

- Security vulnerabilities: Hostel management systems often handle sensitive information such as student details, financial records, and room allocations. Weaknesses in security measures can lead to unauthorized access, data breaches, and privacy violations.
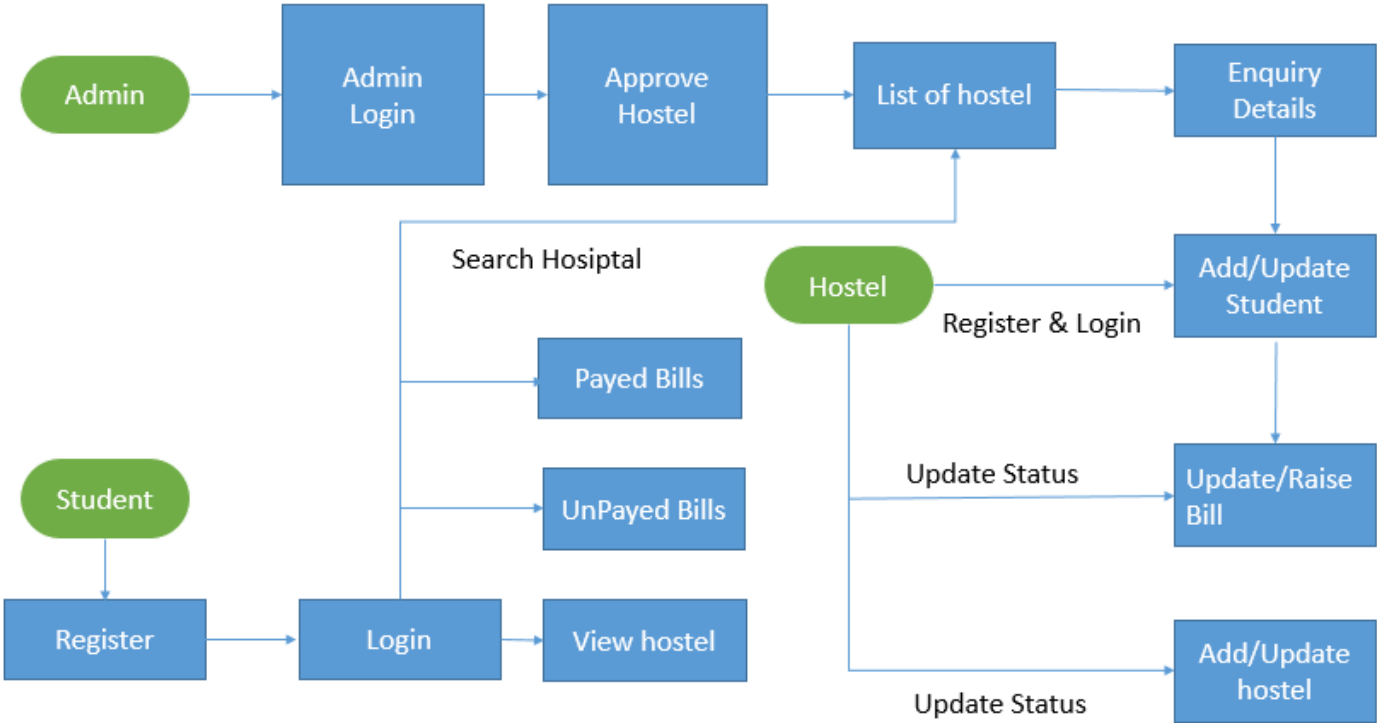
Aim and Objective

➢ This application will help the Hostel to centralized the activities and maintain data transparency where needed and properly store data for regular operations and future analysis.

➢ Here students can search for the hostels listed and the owners can maintain and manage data regarding the hostel facilities and the fee billing system.

➢ So the application will be easy to use for both beginners and advanced users.

➢ features a familiar and well thought out, an attractive user interface, combined with strong searching insertion and reporting capabilities.

➢ Hostel Management System is designed for better interaction between students, hostel owners, and accounts. Hostel Management System handles all the requirements for easy Hostel Management for a college.
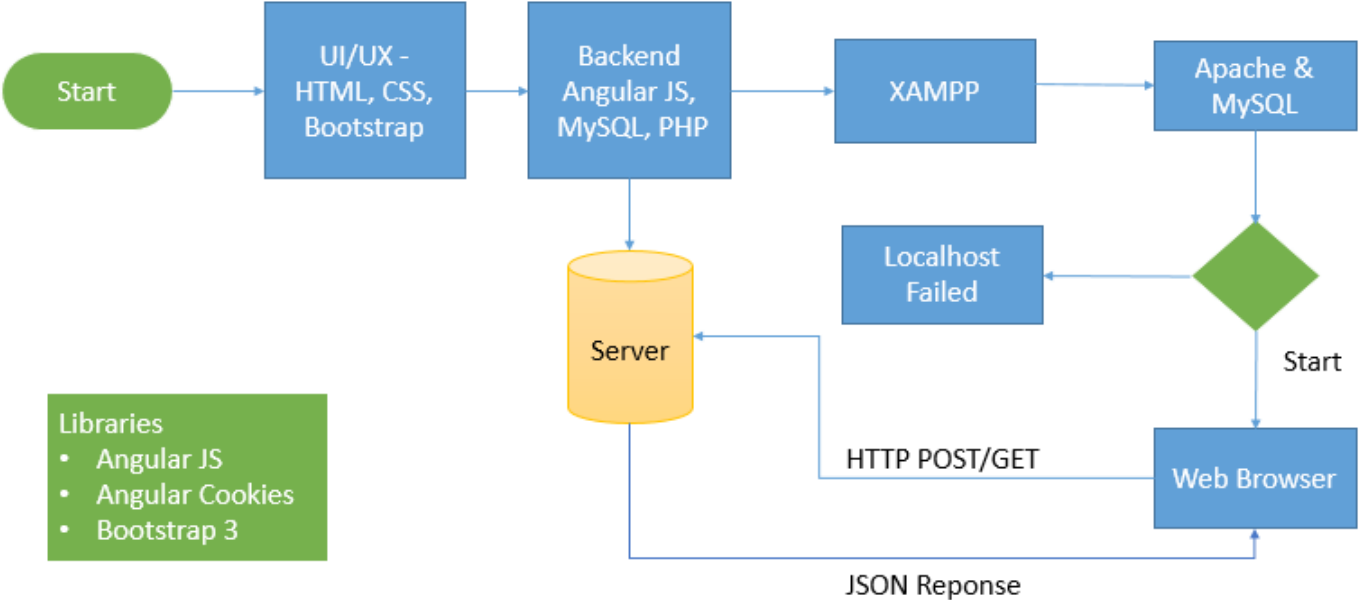
Proposed Solution

- Hostel management system is designed to manage all hostel activities like hostel admissions, fees, room, mess allotment, hostel stores & generates related reports for smooth transactions. It is also used to manage monthly mess bill calculation, hostel staff payroll, student certificates, etc.

- One of the most common benefits of living in hostels is that students do not have to waste time and energy in travelling all the way to their schools. They can instead use this time to indulge in something productive such as morning yoga sessions, reading classes or sports

- To provide the students with a home away from home. It helps new arrivals to become adjusted to the new environment. To offer the right atmosphere for study and interchange of thoughts and ideas. To create awareness to social and moral values for improving the quality of life through education.

System Architecture

System Deployment Approach

Algorithm & Deployment

Step 1:Connect the finger print scanner and get sensor information

Step 2:Read data (Finger)

Step 3:Check – Not registered go to 5

Step 4:Print "Already exist"

Step 5:Print and stored with Id

Conclusion:

➤ Hostel management system is very useful for hostel search, allotment and fee calculation and maintenance.

➤ This hostel management application is designed for people who want to manage various activities in the
➤ hostel

➤ For the past few years the numbers of educational institutions are increasing rapidly. Thereby the

➤ numbers of hostels are also increasing for the accommodation of the students studying in this institution.

➤ Hence there is lot of strain on person who are running the hostel application are not usuallused in this context.

➤ This particular project deals with the problems on managing a hostel and avoids the problems which occur
➤ when carried manually.

Future Scope

➢ In Future work, This application to develop a cross platforms like IOS, etc.

➢ In adding the more features PG/ Hostel management application to develop access with user's flexibility.

➢ To authenticate the users based on the system users list which is maintained by the operating system

➢ To restrict the usage of all files by the users based on their privileges on the system

Reference

https://getbootstrap.com

https://www.php.net

https://www.pluralsight.com

Thank you!