

Project proposal documentation

Computing Group Project

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Group A 18

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Overview

Our team got a project from a person and that person has a girl's hostel. He is the owner of the hostel place and he is living far from the hostel place. So, our client needs daily updates from the hostel and he required a solution for that.

These are the updates that our client need :-

- 1) Student information
- 2) New student details
- 3) Payment details
- 4) Students daily meal requirements
- 5) Attendance routine
- 6) Complaints & requests from students.

These are the main requirements of the client. so, our technical team decide to create a website for fulfill the requirements of the client. The hostel owner has a management staff to maintain the hostel and update the hostel details via website daily.

The main reason to use this technology path is, the client is living far from the hostel place and the management staff need update the owner daily. According to the distance between staff and the owner, the most appropriate way is creating a website for this requirement. When the staff update the hostel current situation via this website, then the client can have the updates and can make decisions.

This system mainly uses by the owner(client), management staff. But the hostel students can also use the system for tell their request or complains and the meal requirement.

Mainly client can do anything in this system. But the main purpose is, client need to update time to time. The main operations (CRUD operations) are doing by the management staff.

This solution is very low cost. only need money for purchase the website domain and host. Other than that, there is nothing to buy. To build this system out technical team would like to use HTML, CSS , JavaScript , Bootstrap , php etc. we hope to connect a database for this website to store the information that entered by the management staff. our team try to create this website the very creatively , and simply. Because the website is getting simple, the client can use it without any struggles and can make decisions easily.

Objectives

- To increase efficiency of management.
- To save records.
- For fast access of data
- Admin will be able to keep students and management information by using database with strong security.
- Provide a web page for management to insert registration details of the student.
- Admin and Hostel management can check student's status every month.
- Students can be able to give their complaints.
- Hostel authority instantly can see and access the student's information, available room using search option.
- This system will help Admin and Management in case managing hostel meal and account activities.

Target users

1. Students:

- current hostel students to send their complains & requits.
- Current hostel residents tell their meal requirements.

2. Hostel Administrators:

- management staff responsible for managing hostel operations.
- Staff managing applications, room allocation, check-ins, and check-outs.

3. Hostel Owner:

- Owner interested in monitoring the performance and profitability of their hostel.
- People responsible for the financial aspects of the business.

Application features and description

The application features and description contained in our hostel management system are as follows.

Admin account

1. Student information management
 - Admins can manage student details, including personal details, contact information and room assignment. They can add new students, update existing records, and deactivate accounts if needed.
2. Attendance
 - Admins have the capability to record and monitor student attendance by ensuring accurate records of who is staying in the hostel by check-in and check-out times.
3. Meals management
 - Admins can plan meals, schedule menus and monitor food inventory. They can also manage food preferences and monitor food consumption.
4. Payment Details
 - They can view the payment status of each student and issue payment receipts.
5. Request & complaints
 - Admins receive and manage request and complaints submitted by students. They resolve them, monitor progress, and ensure timely responses.

Management Account

1. Student information management
 - Management staff can access and update student information including contact information and room assignments to help maintain accurate records.
2. Payment Details
 - Management handle financial aspects, tracking fee payments and generating reports.
3. Attendance
 - Management monitors student attendance to assist with administrative functions such as billing security and safety.

Student account

1. Meals Management

- Students can view meal plans, select preferred foods, and provide dietary requirements.

2. Requests & complaints

- Students can submit requests for services or submit complaints easily through their accounts. They can also monitor the status of requests.

This enables effective hostel management, streamlines communication, and improves the overall experience for both administrators and students.

Time frame

