

HOSTEL STUDENT DETOUR MANAGEMENT SYSTEM

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Abstract: To implement an Application of the hostel students, A request is sent to the hostel warden regarding the students outing by the student, the request is confirmed by the warden and notification is sent to food manager of hostel. Status is shown to the security and also gives the details of each student outings. In this work we are going to develop website for the hostel with the features of Student feedback, Student in/out detail information, student contact data base. Now a day's web development uses mix of java, HTML and asynchronous communication with application server. This project includes student detour and various add-ons and other points. All these factors clearly illustrate how an efficient HOSTEL STUDENT DETOUR MANAGEMENT SYSTEM can help end any chaos in managing detour system.

Keywords: Databases, Programming

I. INTRODUCTION

Project to be developed is a web based application system which is called HOSTEL STUDENT DETOUR MANAGEMENT SYSTEM and it will apply in any universities. The purpose of this system is to help the hostel warden to manage the outing record and outing information of the student. By developing this system it will be easy to the higher authorities to keep track of the students outing information. Besides that, the can edit, add and delete student information and student outing information. The admin is responsible for register hostel students and warden. Warden manages the students outing record, can view the student outing record information and can also view who all the students came back to the hostel. This system also will provide a user friendly application system and a security control to ensure the data integrity.

II. RELATED WORK

A. Purpose of the document

This paper is the Software Requirement Specification (SRS) for the Hostel Student Detour Management System. The purpose of this paper is to describe the functionality, requirements and general interface of our project.

B. Scope for development of this paper

The hostel student detour management system is used in the universities where there is boarding facility.

C. Main Modules of the system.

Admin: In this module admin will login and register new student, warden and mess in charge.

- Admin can add/edit/delete the warden, students, mess incharge and he/she can view the student's feedback.

- Warden: In this module warden will manage student outing details. (Like accept or reject) and can send total members of active student in hostel to mess incharge through SMS. He/She sends SMS to parents, students regarding outing.
- Student: In this module student can send request for outing to warden, can view outing details and can give feedback regarding the hostel or warden.

D. Existing System

The current system is a manual based which is not computerized especially for hostel students outing process . The system takes lots of time for performing different activities and difficult to maintain the students outing records.

Limitations of the existing system

- Existing system is completely hardcopy.
- Time consuming procedure.
- Tracking of the student outing details is difficult.

E. Proposed System

The proposed system is a website which is related to internet browsing. The proposed system overcomes the demerits of existing system. The system enables multiple students to access the system, request for outing simultaneously and also includes hostels students details , outing details.

III. REQUIREMENTS AND SPECIFICTIONS

A. Functional Requirements

- A user can login.
- The login and password are verified and authenticated.
- Admin can add, edit, delete or update the details of warden and students.
- Student can apply for outing online.
- Warden can view the student's outing requests and can accept or reject the requests.

B. Non-Functional Requirements

Reliability:

The capability to maintain the specified level of performance is called reliability.

This application is a web based application that runs on any device that has a browser.

Security requirement :

Unauthorized access to the system and its data is not allowed by the authentication process.

Portability:

Portability is the ability of the system or application that can run in various environments. As the web application is based

on the java language, the application is portable.

C. Minimum Hardware Requirements

- A PC with Processor-Pentium-3 ,Speed-1.1 GHz
- RAM :2GB
- Hard Disk :4GB free space

D. Software Requirements

- Operating System :Windows XP/7/8/10
- Database :MYSQL
- Database connectivity : JDBC
- Server :Apache Tomcat 5/6
- IDE :Eclipse
- Scripting :Java, HTML, JSP
- Server Side :JavaScript
- Java Version :JDK 1.6

IV. SYSTEM DESIGN

A. USECASE DIAGRAM

Admin:

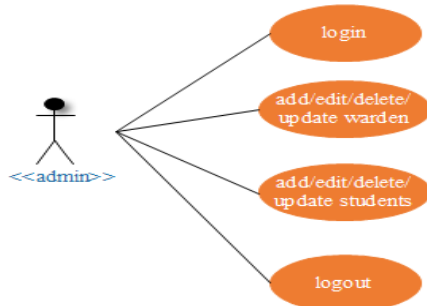


Figure 3.1 use case diagram of admin.

Warden:

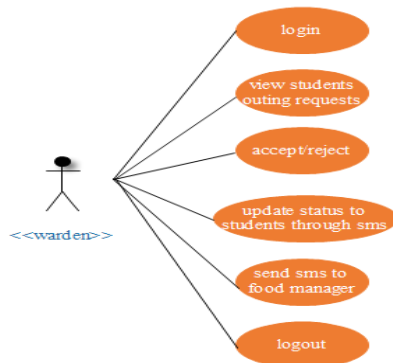


Figure 3.2 use case diagram for warden.

Student:

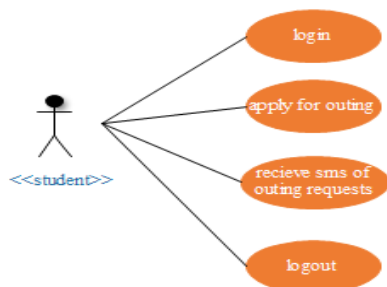


Figure 3.3 use case diagram for student.

B. ACTIVITY DIAGRAM

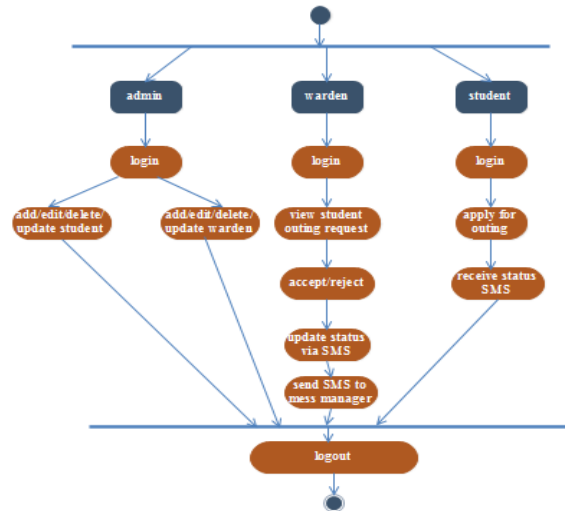


Figure 3.4 activity diagram

V. CONCLUSION

This project proposes the web based online system which is time saving for the hostel students. This web based can further be implemented as a mobile app which can be accessed by the students to apply for outing. This system is more secure as it is developed on java platform.

REFERENCES

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