Online Services

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Abstract – This is a project with the objective to develop a basic website where a consumer is provided with a shopping cart application and also to know about the technologies used to develop such an application. It is a portal where a student can easily avail all the services at one spot. The services that we have currently decided to provide are id card application, buying new books and equipments, OD application and outpass permit. This will save the students trouble of roaming aimlessly all around the campus and will provide all these services with much ease. This web application also includes ' Lost & Found' feature where if the student lost anything useful and it has been found by any other student he can take a picture of that lost thing and upload it onto this web application so that the lost product can be returned to its owner.

Index Terms – Lost and Found, Outpass, Online Portal, Hostel Services.

1. INTRODUCTION

Online Services has the ability to make sure that the students doesn't have to roam here and there for purchasing products related to their studies for example id card, this web application includes the "Lost in Found" feature in which a student can directly search his item which has been stolen or lost and the student who founds the item can directly upload the lost item on our web application.

The students can directly get the outpass for leaving the hostel by filling the form of it on our web application directly. Students have to roam here and there for buying any product. Not sure whether the lost product can be found or not. No system of issuing outpasses for hostel purpose in their respective web application. It is Time consuming& Inefficient.

2. EXISTING SYSTEM

The Existing system for online store is much time consuming and inefficient. In the existing system we are not sure whether the lost product can be found or not. There is no system of issuing outpasses for hostel purpose in their respective web application. Students face the problems of roaming everywhere for getting signature in outpasses.

2.1 Limitations

1)No Lost &Found feature.

2)Time Consuming

3. PROPOSED SYSTEM

The idea that we have proposed in this paper is that this system issues the hostel outpasses for the students directly without roaming everywhere in the campus. This also helps the students to buy the useful things. Students can easily access through this web application and fill the required form for the hostel outpass. Then that form will be forwarded to the concerned staff to grant the permission for the student for issuing the outpass. This web application also includes another feature called Lost &Found where if a student lost anything which has been found by another student he can take the picture of that lost thing and upload it onto the web application so that the lost product can be found.

3.1 Advantages

1. Easily accessible to students.

2. Browse through the endless possibilities necessary for the students.

3. Easy enquiry about the mess timetable.

4. Easy accessible to the Hostel Services which are made available through this web application.
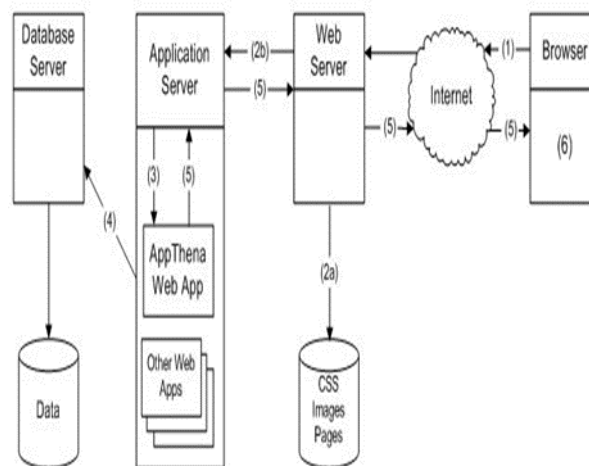
4. ARCHITECTURE DIAGRAM

Fig 1: Architecture Diagram

A database server is a computer program that provides database services to other computer programs or computers as defined by the client- server model. The term may also refer to a computer dedicated to running such a program. Database Management system frequently provide Database server functionality and some DBMSs like MySQL rely exclusively on the client-server model for database access. Such a server is accessed either through a front end running on the user's computer which displays requested data or the backend which runs on the server and handles tasks such as data analysis and storage. In a master-slave model, database master servers are central and primary locations of data while database slave servers are synchronized backups of the master acting as proxies. Most of the database servers works with the base of the query language. Each database understand its query language and converts it to the server readable form and execute it to retrieve the result. Every server uses its own query language and structure
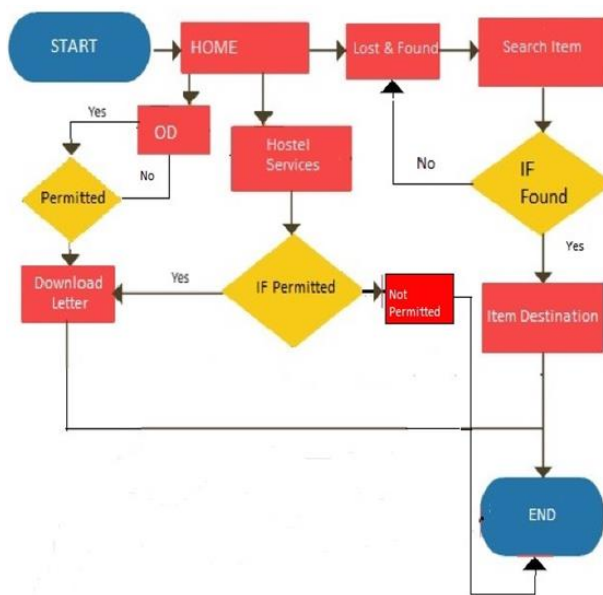
5. WORKFLOW DIAGRAM

Fig 2: Workflow Diagram

First start the web application and then go to home. Then it consists of the services like OD and Hostel Services. If the OD has been granted by the respective faculty then OD form will be downloaded and then end the process. If the OD has not been granted, then it will be redirected to the home page. Then comes the feature called Lost and Found where we need to search the items which has been lost. If the lost item was found, then it will reach to the item destination and then end the process. If the lost item was not found then again it will be redirected to the Lost and Found web page. And at last coming to the Hostel Services, if the permission has been granted then

download the required form and then end the process. If not permitted then it will again be redirected to the home page.

6. IMPLEMENTATION RESULTS &DISCUSSIONS

6.1 Hardware Configuration:

- 64 bit processor, four-core, 2.5 GHz minimum per core.

- 8 GB RAM for developer or evaluation use 16 GB RAM for production use.

6.2 Software Configuration:

- Includes the operating system like

  Windows XP/7 or some latest versions or we can also the Linux OS which supports the networking.

- Java Development toolkit.

- Includes MVC Model which is known as Model View Controlled Pattern which is used to separate the application concerns and also used for developing user interfaces that divides an application into three interconnected parts.

- MVC has been widely adopted as an

  architecture for World Wide Web applications in major programming languages. Several web frameworks have been created that enforce the pattern.

- MVC includes three components model ,view and controller.

- By using wordpress, you can add the domains to the site and need to set the primary domain

Home Page:

It is the place where you can avail all the services at one place. It is the primary page of the web application. From here you can get access to remaining web pages present in the Web application.

Contact Page:

Contact page includes the name of the student who wants to get the online service,email id of the student and then the comment section in which he can drop the comments needed.

Lost and Found:

This is the main advantage of this web application and also the key feature which will help the students. Students normally have a habit of loosing, leaving and also misplacing their items. Then this web application will be the better solution for the students. Everyone in lost and found department wants to reconnect lost items with students, but it can be difficult. It's

easy to skim over the item and it is time consuming to find things that were misplaced. Lost and found software uniquely categorizes and files information related to lost student property. This means that everything is in place, and the entire process of managing lost items is less stressful. This Lost and Found feature mainly works like if the student lost anything which is useful to him and if it was found by any other student he can automatically take the picture of that lost thing and upload it onto this web application so that the lost product of the student can be found easily and can be returned to its owner.

Hostel Services:

Hostel Services web page include many different features. This will be mainly helpful for the students who are staying in the hostel. Hostel Students normally face the problems of getting the outpass if they want to go outside of the campus during any holidays. They need to take the permission from each and every faculty right from class incharge to the HOD. For this purpose they need to roam everywhere in the campus to get the signature of the respective faculties for granting the permission. This takes a very long time for the students and also lot of time will be getting wasted. This web application provides a better solution to the students who are suffering with this problem. All they need to do is first of all they need to go to the web application and go to the portal named "Hostel Services" where he will be provided with the form which includes the name of the student, email id of the student, and the comment which is known as the description of the student to be written in a brief manner. He also needs to enter the year of study, and in the column Destination place he needs to enter the name of the destination where he want to reach with the full address. At last, he needs to enter the registration number. In the description, student needs to enter the specific and a valid reason for taking the leave. After clicking the submit button, the details of the student will reach the server and from there it will be forwarded to the respective faculty for the verification and confirmation. If the faculty found the reason for taking the leave is invalid, he/she also have the right to reject it. After the confirmation of the faculty the student will be informed about the status of the hostel outpass and he also can download it from the web application. The student can also enquire about the mess timetable, and also he can report any sought of complaints through this web application. In this way it helps the students.

7. CONCLUSION

Online services is the web application where a student can avail all the major services at one spot. It also provides an online store where the student can buy the things which are useful to them. This web application also provides easier execution of various college application procedures. This provides easy accessible to the students with no cost. Lost and Found feature helps the students to find out the lost things. Hostel Services web page help the students in issuing the outpass through the online service. He just needs to fill the form and submit it when will then be forwarded to the server and from there it will be forwarded to the respective faculties to grant the permission where he/she also can reject the request made by the student in case, if the reason for taking leave was found invalid. This web application also provides the students to enquire about the mess timetable and also can be able to lodge a complaint in this web application.

8. FUTURE ENHANCEMENT

The resolution of this project is to make the work for students easier when they are in need of outpass and other hostel services..Students will be using this web application made by us and technically we are making this so that it could be further used by universities now or in future as well.

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