



E-NOTICE ANDROID APPLICATION

Computer Science

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ABSTRACT

E-notice app is a place for students to view notices and teachers to post them for easy and fast communication. The notice board has always been a place where students and teachers gather to get the latest release of notices. We aim to bring this board to a virtual location where staff/students will not only read notices but also respond to them immediately through their own desk. Students sometimes waste their time reading notices in which they are not interested. We come up with solutions to these problems. Students who are not interested in notices related to a particular cell will not be notified with notices related to that particular cell. This will also help to communicate notices/news not only in text form but in other formats also like image, video, etc.

KEYWORDS

E-Notice Board, Traditional notice board, Android device, Activity, Online System, Admin

INTRODUCTION

Virtualization-the act of creating a virtual environment around us, being able to live in a physical environment when actually in some other place, is now coming to a boon with the changing life culture. Each organization wants to virtualize itself receiving the various advantages that it provides. With the automation in each and every sector of life, automation in the educational sector is also important.

Cellular phones have become an integral part of human life. May it be a student, teachers or aged people, it is a device which is now owned by each one. The main reason behind it being the various features the applications provide. Each and every small work of human life is now digitized may it be shopping, banking, selling or buying things, etc. With the same goal, the introduction of an application which will replace the traditional notice boards with

E-notice board is necessary. E-notice board is a platform where notices will be directly communicated from the teachers to the students, reducing the time required to reach the notice to the student, establishing a direct communication between the faculty in charge for the event and the students and avoiding the last minute rush near the notice board.

CASE STUDY

In the present study, E-notice applications do provide us the facility to post and view notices but they have severe disadvantages of allowing students to post notices and often viewing notices which are not of interest to that particular individual. Providing a solution, segregation of student and faculty so as to avoid the students to post notices and disturb the professional environment in the application is done. With the feature of the group planned, each individual will get customized notices of interest with an additional easy step of subscribing to the group.

PROPOSED MODEL

According to the proposed model, two kinds of notifications will be involved. 1) Notice 2) News. Also, there will be three actors involved. 1) Admin of the entire application 2) Group (admin of a particular group) 3) Student. Students can subscribe to the groups they want. News/notice will be posted by any group. News is a kind of notification which will get to all the users of the app, whereas notices will get posted on group by admin of that group and will get to only those students who have already subscribed to that group.

The login credentials of the admin of the entire application will be created manually by the developer. This admin of the entire application will be responsible for creating login credentials of various groups (i.e. admin of a particular group) and students.

Faculties will get the login credentials of a particular group from the

admin of the entire application. They can use these credentials to login into the application as an admin of a particular group. Once logged in, they can update the profile of the group and add necessary details. They can post/delete the notice/news and can logout.

Similarly, students will get the login credentials from the admin of the entire application. They can use these credentials to login into the application as a student. Once logged in, they can update their profile, search and subscribe/unsubscribe to the groups, view notices/news, comment on notice, search other students and can logout.

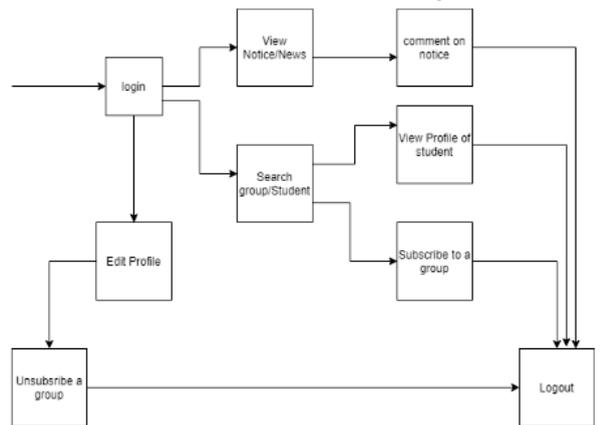


Figure 1: System Architecture (from student's perspective)

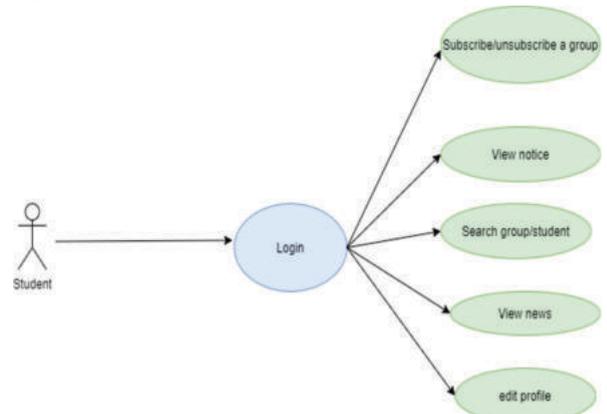


Figure 2: Use case diagram for student

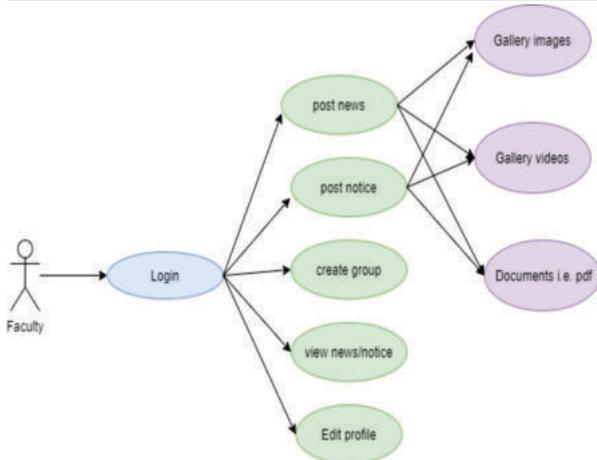


Figure 3: Use Case diagram for Faculty (admin of a group)

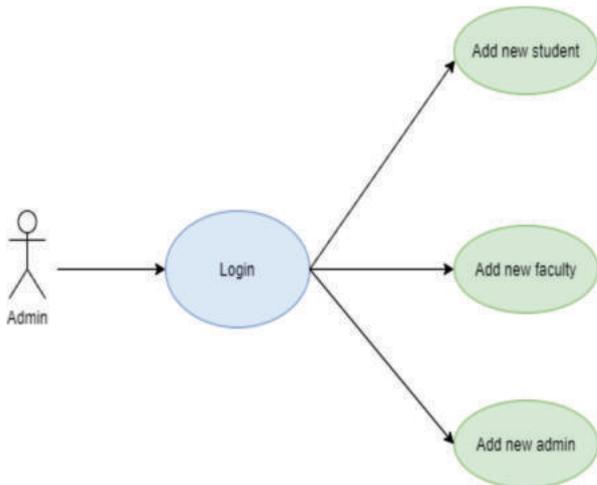


Figure 4: Use Case Diagram for Admin

APPLICATIONS OF E-NOTICE ANDROID APPLICATION

Contribution towards E-notice boards is looked upon just as a place to post and view notices but this application requires many other features which are often lookaside. Application not limited to notices in the educational sector can be used in various other domains.

The application does not limit itself to the educational sector but can be used by any organization as Notice board is a part of all sectors may it be Health, Government offices, IT companies, Tuitions etc. Notice boards are present everywhere. The same application can also be used to showcase talents of individuals with their extraordinary work related to drawing, or any certifications a person has received.

CONCLUSIONS

Thus, an android application will be created so that students receive messages of their interest group only. The application is designed basically for the computer department only to concentrate on each and every cell of the department. This application will be useful in virtual mode of education as well as normal mode so as to avoid the delay in communication, ignorance to notices by students and the crowd near the notice board.

Notices usually come in hierarchy increasing the time of communication. Also some notices are related to students of particular cells only. To communicate such notices to interested students only is possible with this automation. The further scope of the project lies in automation at college level. Also many more features can be added like allowing the camera to take pictures through the app itself.

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