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Android Application for Android Attendance System

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ABSTRACT

In school, college or any government or private office's attendance management is important to every organization. Organizations will have to keep a track of people within the organization such as employees and students to assess their performance. If organization is big then it is very much difficult to manage attendance. Managing students attendance during lecture periods has become a difficult challenge. The ability to compute the attendance percentage becomes a major task as manual computation produces errors and waste a lot of time. For the stated reason, an efficient Web-based application for attendance management system is designed to track student's activity in the class. This application takes attendance electronically and the records of the attendance are stored in a database. It is implemented using the power of Laravel framework. JavaScript is added to the application to improve the use of the system. MySQL used for the Application Database. The system designed in a way that can differentiate the hours of theoretical and practical lessons since the rate of them is different for calculating the percentages of the students' absence.

Keywords: Attendance Management Systems, Web Application, Absence Management System, SQL

1. INTRODUCTION

Attendance plays a very important role in any organization. If organization is like school or college having very vast strength then classroom attendance is time-consuming. So recording absence having a large number of students in a classroom. Moreover, the process takes much time, and many efforts are spent by the staff of the department to complete the attendance rates for each student. So in many institutions and academic organizations, attendance is a very important criterion which is used for various purposes. These purposes include record keeping, assessment of students, and promotion of optimal and consistent attendance in class. As long as in many developing countries, a minimum percentage of class attendance is required in most institutions and this policy has not been adhered to, because of the various challenges. The process of recording attendances for students was in the form of hardcopy papers and the system was manually done.

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2.STRUCTURE:

Recently, there has been so much research in the development students attendance system, some of which include Internet systems like web-based system, mobile-based attendance system. iris-based attendance system, face recognition based attendance system, RFID (Radio Frequency Identification) based attendance system etc.

2.1Android Development Tool:-

Android software development is the process by which new applications are created for the Android operating system. Applications are usually developed in Java programming language using the Android Software Development Kit (SDK), but other development environments are also available.

As of July 2013, more than one million applications have been developed for Android, with over 25 billion downloads

Step 1:

Once you have the JDK set up you can get started with the Android development software. Download the ADT Bundle from the Android site. The ADT Bundle simplifies the setup process for Android development, since it packages everything you need into a single download.

Step 2:

Once your ADT Bundle download is complete, unzip the folder and place it in your chosen location. Navigate to Eclipse, which you should find in the "eclipse" directory inside your download folder. Run Eclipse by double-clicking the executable "eclipse" file.



Figure 5.1(a): ADT LANUCHER

You will be prompted to choose a location for your workspace during setup - you can either let Eclipse create one or create one yourself and point Eclipse to it.



Figure 5.1(b): WORKSPACE LAUNCHER

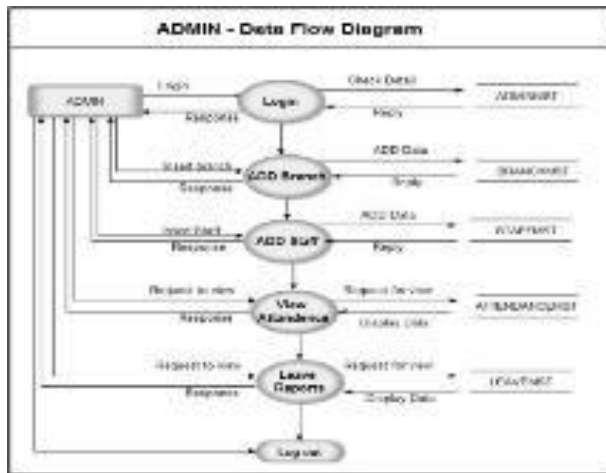
3.WORKING:

The system consists of two main parts, public, and private site. The public site is where everybody can visit it, while the private section is limit to authorized people. The public part consists of a simple page asking for the log in details. So, anyone with the credentials can log in and check his/her attendance details.

Flowchart:



DIG 1: DFD DIAGRAM



4. DATABASE DESIGN & METHODOLOGY

In order to increase use of the application and make it easy to use and attractive, JavaScript and its jQuery libraries, and AJAX use.

Table 1 - An example of a table.

Description	Name	Type Width	Width
Admin username	Ausername	VARCHAR	20
Adminpass	A pass	INT	50
Facultylist	Flist	VARCHAR	50
studlist	Slist	VARCHAR	

Table 2: Faculty side

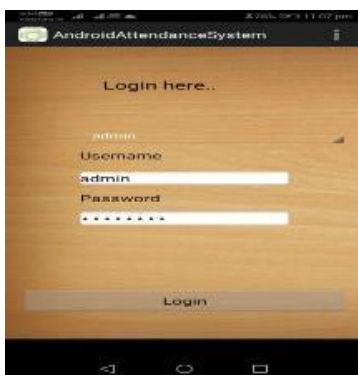
Description	Name	Type	Width
F_Username	account_id	INT	20
F_Password	cheque_details	VARCHAR	40
F_Attendance	cheque no	INT	10
F_subdetail	_id	INT	10
Stud name	Remarks	VARCHAR	40
Stud_mobno	Amount	INT	40
Stud_attendance	Transdate	DATE	20
Stud_year	Transtype	INT	40

Table 2: Faculty side

now start the welcome module

**Screenshot 1: Welcome Module**

Then click on 'START' Button. Following window are open i.e login Form.

**Screenshot 2: Admin Login Module**

Then Login Form is open .you fill up the User name and

Password. And click on 'Login' Button, then following window is open.



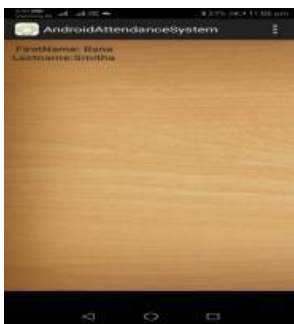
Screenshot 3: Admin side

Here, you see that Add Student, view student, Attendance Per Student, Add faculty, view Faculty. then you click on "Add faculty" button the following window is open.



Screenshot 4: Faculty registration

Following are the list of Faculty.



Screenshot 5: Faculty list

Then following window is a Attendance per student. In the same way you can fill information by clicking on the other button. Goto on other Button click on that button and fill up information i.e Add student, Add Faculty. After filling in all the information you can take student attendance.



Screenshot 7: Subject wise Attendance of student

FUTURE SCOPE:

JavaScript, jQuery and AJAX have used. MySQL use for the application Database which stores the data for long period.

Conclusion

Attendance management is significant to all organizations such as educational institutions. It can manage and control the success of any organization by keeping track of people within the organization such as students to maximize their performance. The proposed system offers the process of monitoring attend students, it aims to help the teacher in the classroom or laboratories to manage and record students' presence electronically and directly without the need to list on paper so it will save time and effort

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References:

1. Patel UA, SwaminarayanPriya R. Development of a student attendance management system using RFID and face recognition: a review. *Int J Adv Res ComputSciManag Stud.* 2014;2(8):109–19.
- 2.Jacksi K. Design and Implementation of Online Submission and Peer Review System: A Case Study Of E-Journal Of University Of Zakho. *Int J SciTechnol Res.* 2015;4(8):83–5.
- 3.Jacksi K, Badiozmany S. General method for data indexing using clustering methods. *IntJ Sci Eng.* 2015 Mar;6(3):641–4.
- 4.Jacksi K, Dimplier N, and Zebedee SR. State of the Art Exploration Systems for Linked Data: A Review. *Int J AdvComputSciAppl IJACSA.* 2016;7(11):155–64.
- 5.Gangagowri G, Muthuselvi J, Sujitha S. Attendance Management System.