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ANDROID APPLICATION FOR CLASS INCHARGE SRM ASSIST

[1]Vignesh.M, [2]Dhanashekaran.V, [3]Hemanth Kumar Reddy, [4]Neelesh,[5]Mrs.Mridula Oruganti,

[1,2,3,4] UG Scholar, Dept Of CSE, SRM University,Chennai,

[5]Asst Prof, Dept Of CSE, SRM University,Chennai.

ABSTRACT

We are creating an Android Web application for the class-incharges of SRM university.The problem identified was, the class incharge has to check manually in attendance log register and inform the student about his/her low attendance percentage. Therefore we are creating this android application to reduce the work of the class-incharge The application gives a notification to the class incharge about the low attendance percentage of the student. This android application contains class timetable, students data list with their attendance and notification prior to the student's attendance. We are using android studio for building the android application. The database of students are stored with MYSQL database. 000webhost is used for the web hoSting.The 000webhost provides free hosting services for the websites The PHP is used for linking android application with MYSQL. This application is very well designed so that the application is compatible with all versions of android.

Keywords: MYSQL, PHP, Android studio, Database, 000webhost, Web hosting.

1. PROPOSED SYSTEM

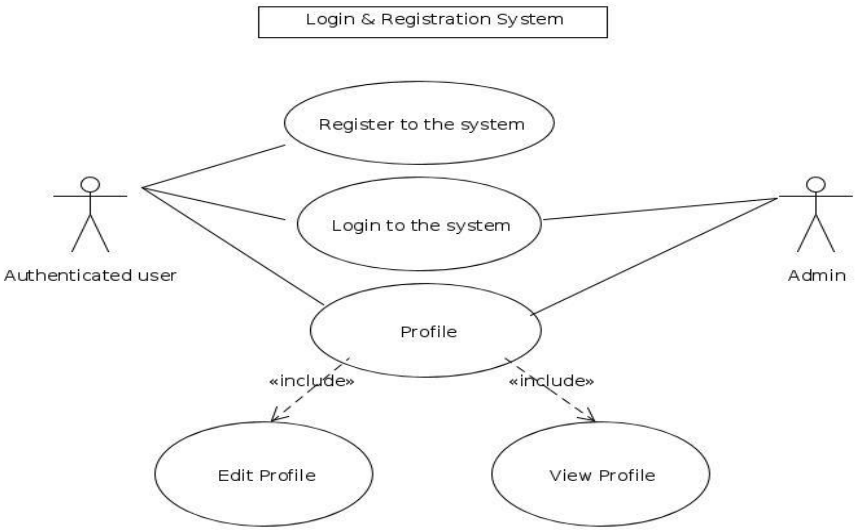

Fig .1. Login and registeration system

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The proposed system should have the following features. The Attendance of the students are taken and checked it manually in attendance log register.The proposed system reduces the work for class incharge and stores the data in database and gives the notification and helps class incharge to caution the students about their attendance.

The proposed system should have the following features. The Attendance of the students are taken and checked manually in attendance log register. This proposed system reduces the work of class incharge in just manually calculating the attendance mostly with the use of a calculator that mess up at times. And this app stores the data in database and gives the notification and helps class incharge bring a caution on the attendance that a student maintains on it. This app mainly concentrates on relieving stress put upon the faculties at the end. This app was made to run by using Android Studio, where we made coding on Android that uses java as a basic language. Android Studio mainly works on two XML and Java. After all completion of the app including the User Interface(UI), the app is finally set to connect itself with the database. Database is one such important task for any app or a website to be connected because this is where the place where the data collected in future are stored. For connecting this we made it through PHP server and also with

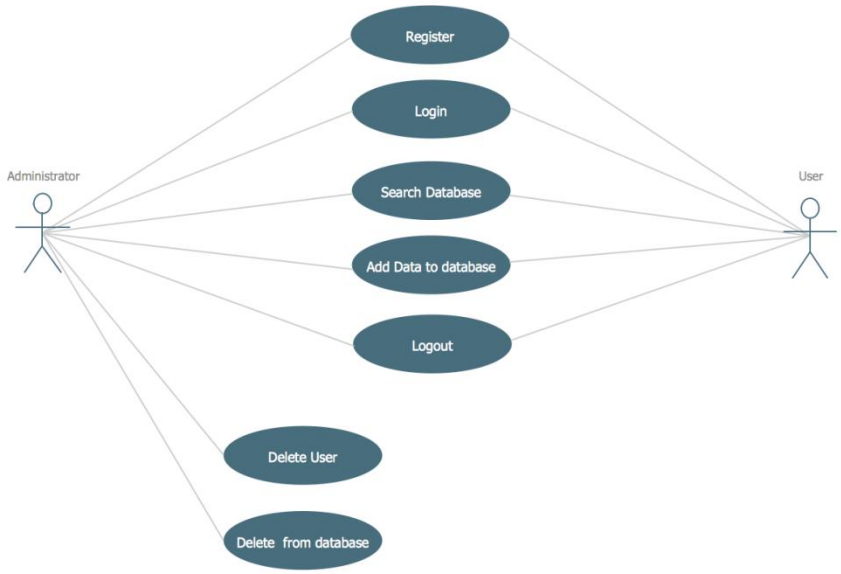

Fig.2 Use case diagram for user access

2. MODULE DESCRIPTION

A module is a part of a project that you can compile, run, test and debug independently. Modules are a way to reduce complexity of large projects while maintaining a common (project) configuration.Modules are reusable: if necessary, a module can be included in more than one project.

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The list of modules to performed are given below

- user(class-incharge getting notification in the mobile)
- client
- database(MYSQL database used to store data)
- web server
- class-incharge(one who uploads the attendance everyday)

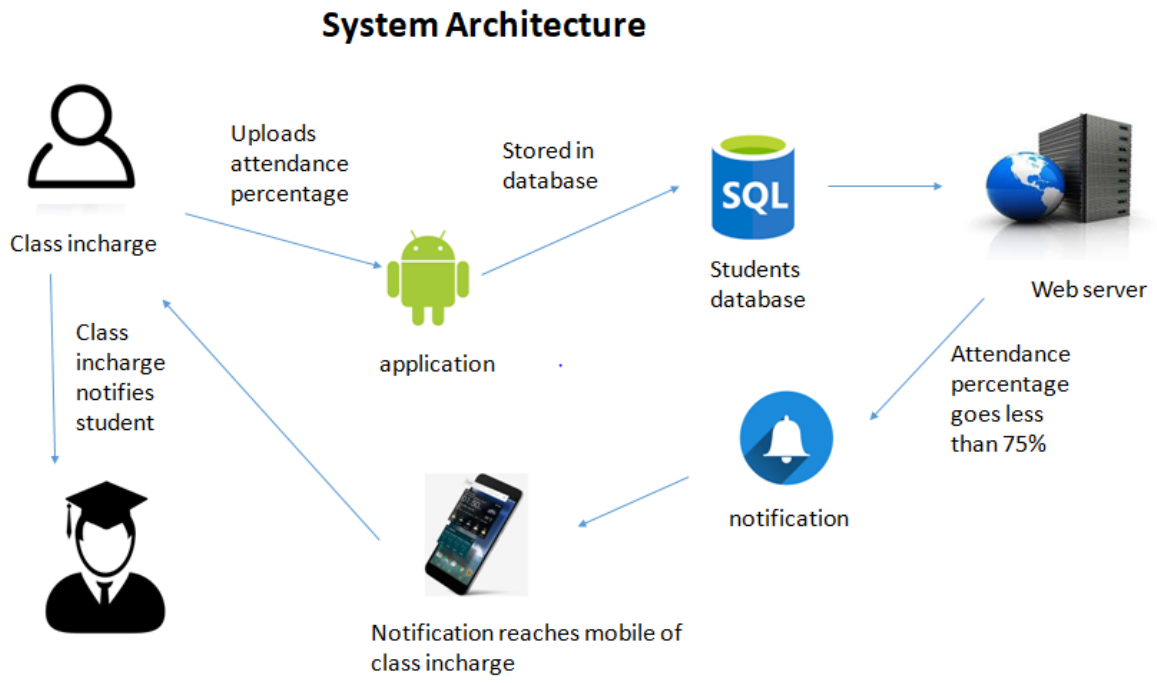

Fig.3 System architecture of android application

3. LITERATURE SURVEY

1 .Research on Development of Android Applications

Authors: Jianye Liu, Jiankun Yu

Description: In this paper,The security system and development of android is discussed.The user authentication with user and database with login system is discussed

2.Developing NFC Applications with Android

Authors:Anne-Marie Lesas; Serge Miranda
The Art and Science of NFC Programming

Description:In this paper,The description of NFCis given and the connection between the NFC with mobile devices is discussed.The brief description on NFC mobile devices with the Swiping machines is discussed well.

3.Development the software applications for mobile medical systems based on OS android

Authors:

N. Dorosh; H. Kuchmiy; O. Boyko; O. Dorosh; O. Stepanjuk; N. Maritz
Description:

In this paper,The operating system of the mobiles is discussed and the various version of android releases is discussed, and the use of android applications in healthcare system like mobile medical system.The brief of Mobile medical systems is discussed

4. Android Application Development(A Guide for the Intermediate Developer)

Authors: Benny(Skogberg Computer(Science(Department School(of(Technology Malmö(University

Description:

The development for an android application for the intermediate developer comprises the basi and advanced level of developing android application and the connection between the android operating system with the

4. SYSTEM IMPLEMENTATION

The implementation of the system is described in detail. Here the detailed view of application is described.The Platforms like Android studio,XML,java,mysql,php plays a major role in this project

1. Android studio

Android Studio is an integrated development environment (IDE) from Google that provides developers with tools needed to build applications for the Android OS platform. Android Studio is available for download on Windows, Mac and Linux. A one-time, $25 developer's license is required to publish apps to Google Play App Store. The foundation for Android Studio is based on IntelliJ IDEA. The Android Studio IDE is free to download and use. It has a rich UI development environment with templates to give new developers a launching pad into Android development

2.Xml

Extensible Markup Language (XML) is a markup language that defines a set of rules for encoding documents in a format that is both human-readable and machine-readable. The W3C's XML 1.0 Specification[2] and several other related specifications[3]—all of them free open standards—define XML.[4]

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The design goals of XML emphasize simplicity, generality, and usability across the Internet.[5] It is a textual data format with strong support via Unicode for different human languages. Although the design of XML focuses on documents, the language is widely used for the representation of arbitrary data structures[6] such as those used in web services.

3.Java

Goal of Java is object oriented programming language and portability, which means that programs written for the Java platform must run similarly on any combination of hardware and operating system with adequate runtime support. This is achieved by compiling the Java language code to an intermediate representation called Java byte-code, instead of directly to architecture-specific machine code. Java bytecode instruc-tions are analogous to machine code, but they are intended to be executed by a virtual machine (VM) written specifically for the host hardware. End users commonly use a Java Runtime Environment (JRE) installed on their own machine for standalone Java applications, or in a web browser for Java applets.

4.MYSQL

MySQL is an open-source relational database management system(RDBMS).[7] MySQL is a database system used by many websites on the Internet. It is based off of SQL. Many ways of doing things in SQL are similar in MySQL The MySQL development project has made its source code available under the terms of the GNU General Public License, as well as under a variety of proprietary agreements.

5.PHP

PHP is a server-side scripting language designed primarily for web development but also used as a general-purpose programming language. Originally created by Rasmus Lerdorf in 1994,[4] the PHP reference implementation is now produced by The PHP Development Team.[5] PHP originally stood for *Personal Home Page*,[4] but it now stands for the recursive acronym *PHP: Hypertext Preprocessor*.

PHP code may be embedded into HTML or HTML5 markup, or it can be used in combination with various web template systems, web content management systems and web frameworks.

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