INSTRUCTIONS

This project consist of server and mobile app. Server have to be first set up to run this project. The server source code is present at the directory “/Source Code/Server code” and the corresponding binary at “/executables/Server”

SERVER DEPLOYMENT

Server is already deployed on Openshift cloud platform at <http://student-cut.rhcloud.com/home>

Username : gaurav

Password : ankit

So if you want, you can skip the server deployment and continue with mobile app deployment.

There are 2 ways of deploying server

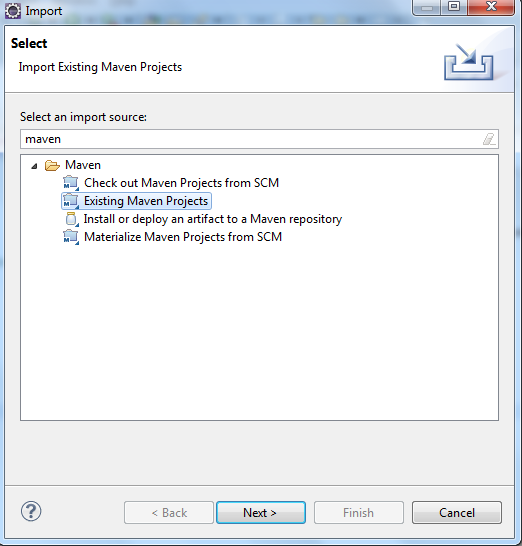
1. Importing MAVEN Project on eclipse
2. Importing Eclipse project

MAVEN PROJECT

For this,

* your computer must have maven installed and classpaths set.
* M2E plugin should be installed in eclipse.

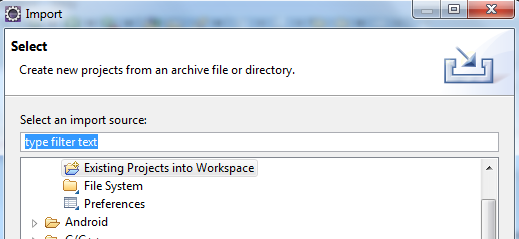
After that in eclipse, Click File 🡪 import 🡪existing maven projects,



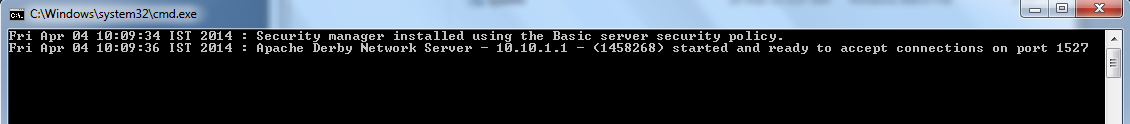
Then browse for “/Source Code/Server code/Maven Based”

OR if you do not want to do it with maven, then click on file🡪import🡪existing projects into workspace

Then browse for “/Source Code/Server code/Dynamic Web Project”



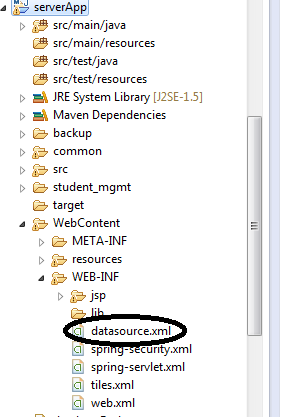
After the project gets imported, start the apache derby DBMS by running **startnetworkserver.bat** inside the bin directory which is inside derby installation directory.



Note the port number(in this case it is 1527). It will be used to enter inside **datasource.xml.**

Minimize the command prompt

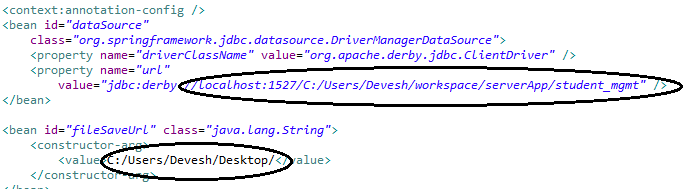
After apache derby have started, **edit datasource.xml**



**Edit two line in the xml,**

The first line inside <property name=”url”> is for the database url which should be set to **“/Database/apache derby database/student\_mgmt”**

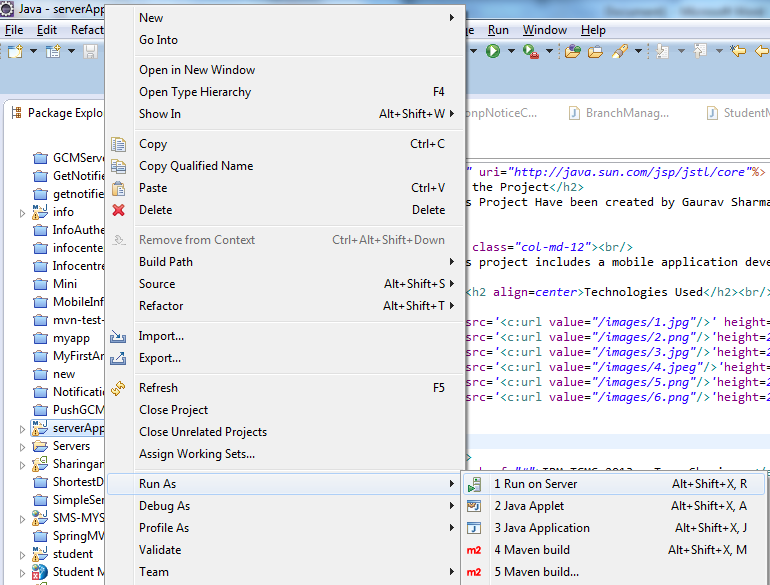
\*\*Remember these are forward slashes even for windows OS\*\*



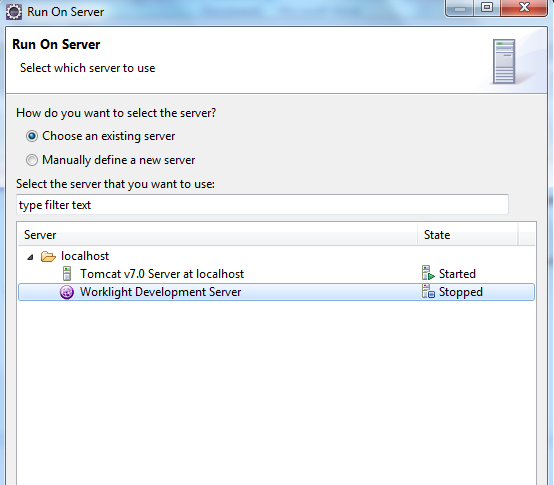
The second path is for the path where file uploaded by the teacher will be saved

**Remembet to add ‘ / ’ after selecting the directory.**

After the project gets loaded, right click it 🡪 run on server



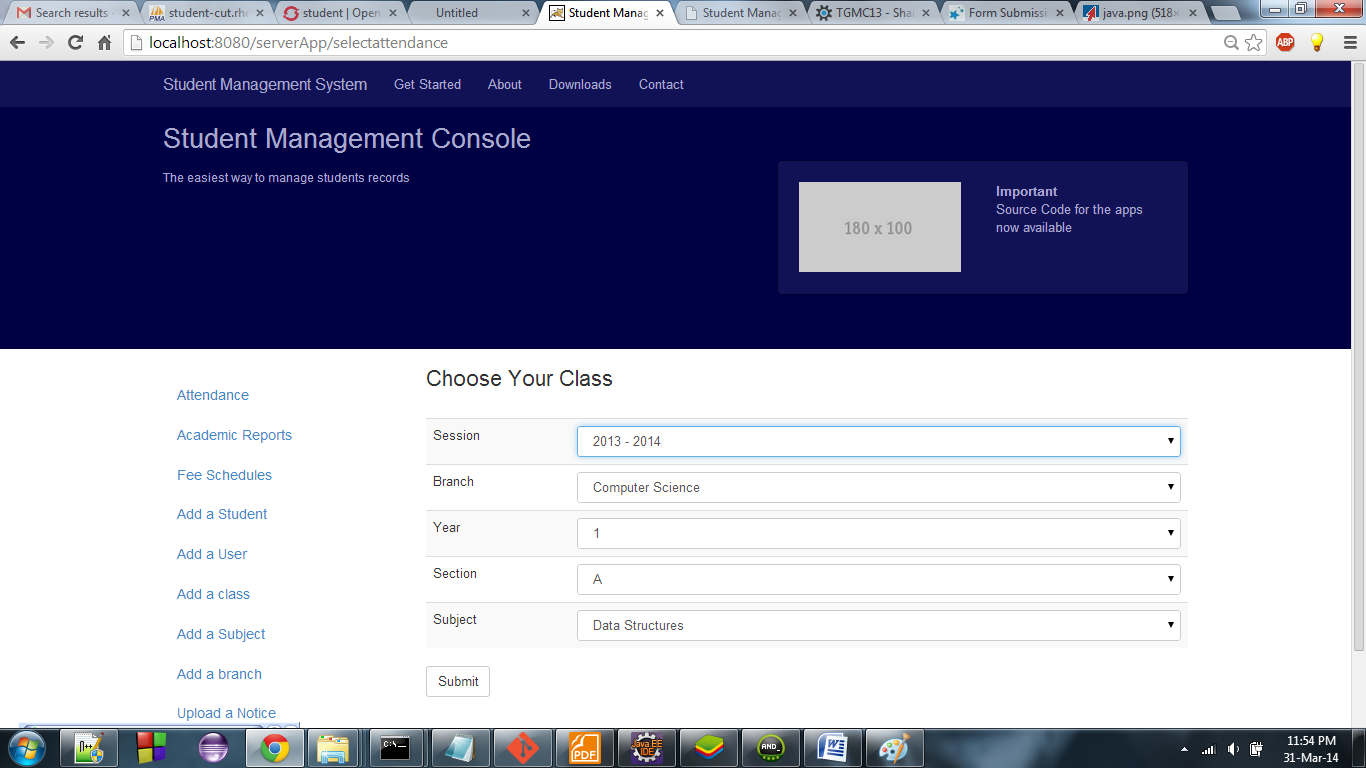
Then select Worklight server



The server is Done, Check by running it in browser.

Username : gaurav

Password : ankit



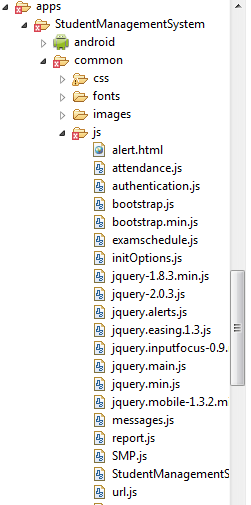
SETTING UP MOBILE APPLICATION

Import the project in eclipse

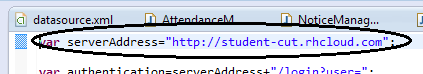
If you are using the existing cloud server on openshift(URL mentioned above), then there is no need to modify url.js, just execute the apk or compile using the source.

Otherwise if you are running the server on your own,

Go inside apps 🡪StudentManagementSystem🡪common🡪js🡪url.js



Edit the first line to your server address(ex – **192.168.1.1:8080/serverApp**)



\*\*Do not put forward slash after server address‘ / ‘ \*\*

\*\*Do not put **locolhost** or **127.0.0.1** address\*\*

Compile for android and run

Username for mobile App – 1109113049

Password --1109113019

\*\* By default username of any new created user(student) will be rollno and password too will be roll no.\*\*

**How To Use**

Go to the server address or if you are using our cloud, then go to <http://student-cut.rhcloud.com/home> .

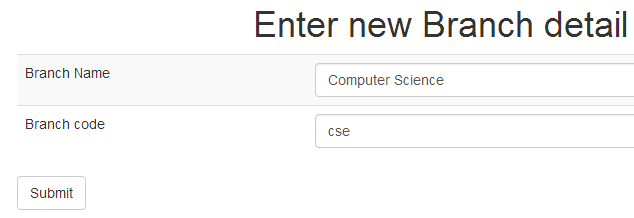
**LOGIN**

login with **username gaurav** and **password ankit.**

This was **admin login**.

**Adding a new Branch/Course**

In the beginning, there will not be all the braches/courses in the database, to add them click at **add a branch** link at the left sidebar.



**Adding a new Subject**

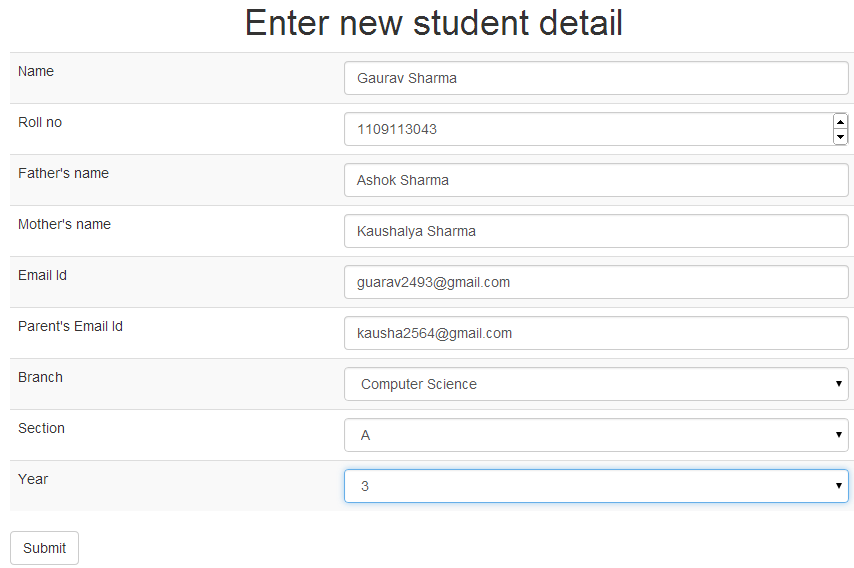
The database do not have list of available subject. To add subjects, click at **Add subject**  in the left sidebar.



Whenever a new subject is introduced in the curriculum, an new subject have to be added.

**Adding a new Student**

Since the database will have no student records, it can be added by clicking at **Add a student**  link at left sidebar.



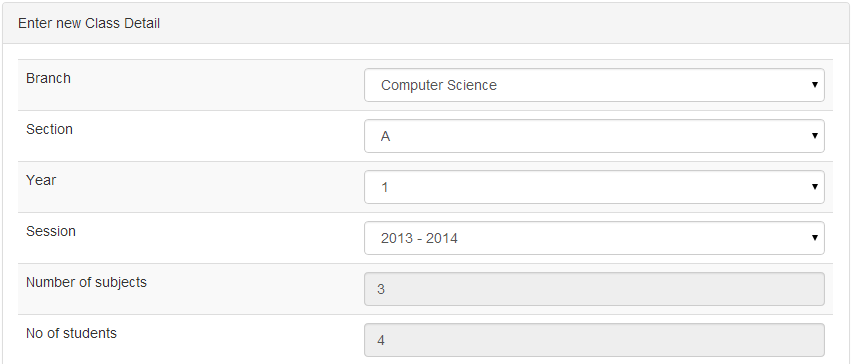
The **username** and **password**  for a new student will be the **roll number** itself

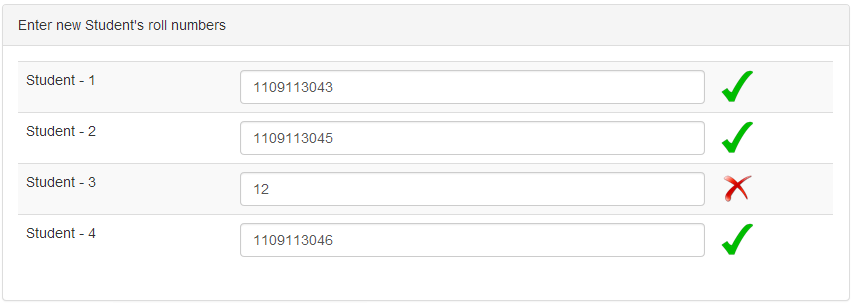
Roll number should be integer example **1109113019.**

**Adding a new Class**

Adding a new class is just like creating a **new attendance register**.

Like creating a new attendance register, this process have to be done every year for every new class.

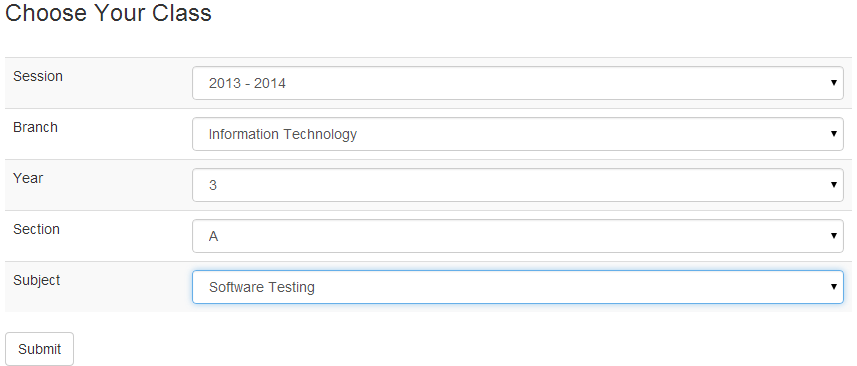




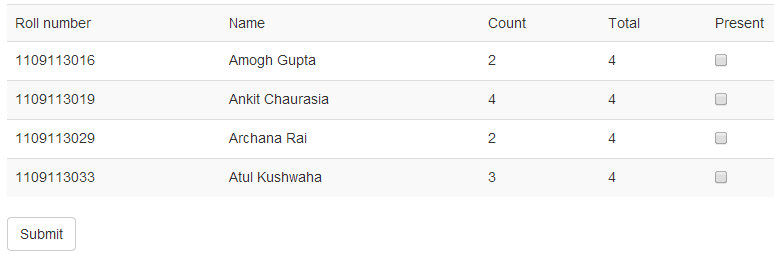
The roll numbers which were not added in **Add a Student** section will no be recognized. And will give a cross icon http://localhost:8080/serverApp/images/cross.png. The correct roll numbers will give a Tick sign http://localhost:8080/serverApp/images/tick.png

**Attendance**

Teachers can take attendance of their classes by selecting their class after clicking at **Attendance** link at left sidebar.

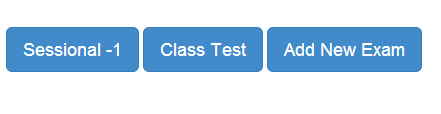


Now you can check on name of students who are present

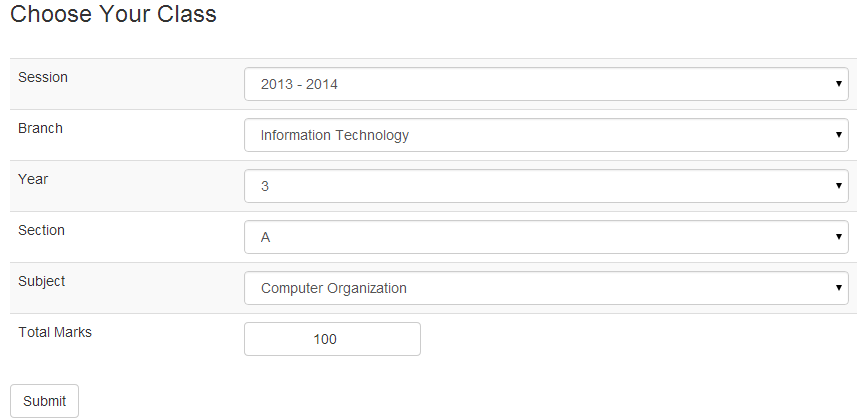


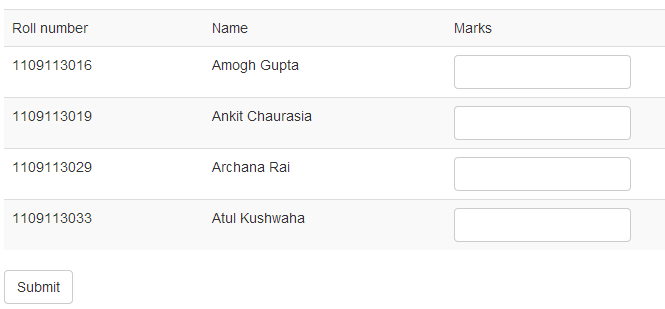
Click submit and its done.

**Marks Upload**

To upload examination reports/marks, click on **Academic Reports** on left sidebar.Click on the type of exam you want, if it does not exist, click on **Add new exam** to create a new exam type.

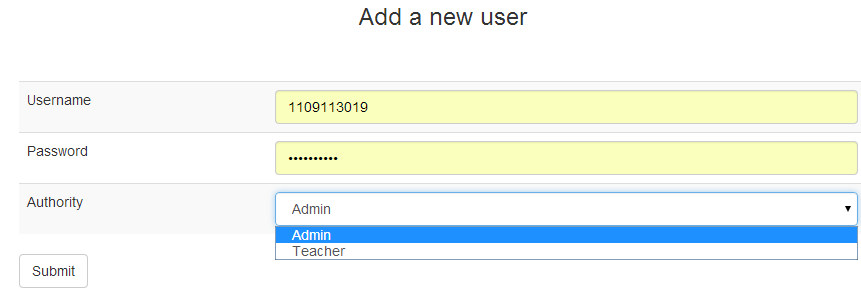
After selecting the exam type you will have option to upload or view marks, Click at upload, choose your class that you had already created earlier



Start entering marksI

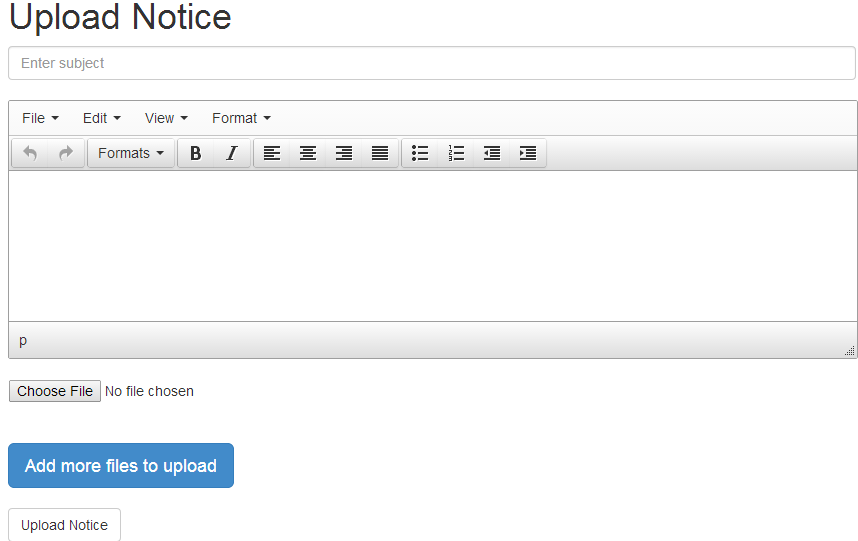
**Creating a new Account for Teacher/Admin**

If you want to add a new Administrator or a new Teacher, Click on **Add a user** on left sidebar.



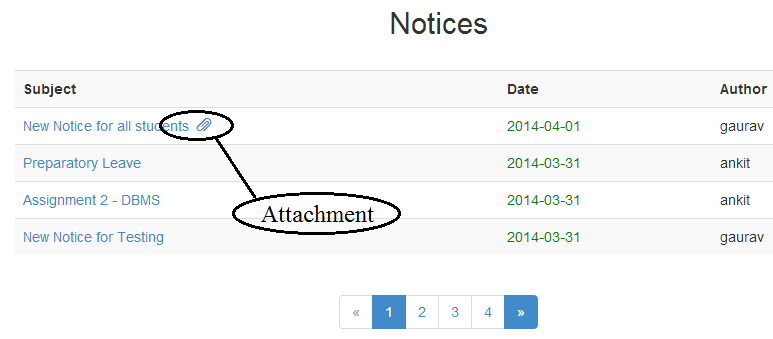
Any teacher / admin can upload a notice for entire college. For that, just click at **Upload a notice** on left sidebar.

**Uploading Notices/Assignments**



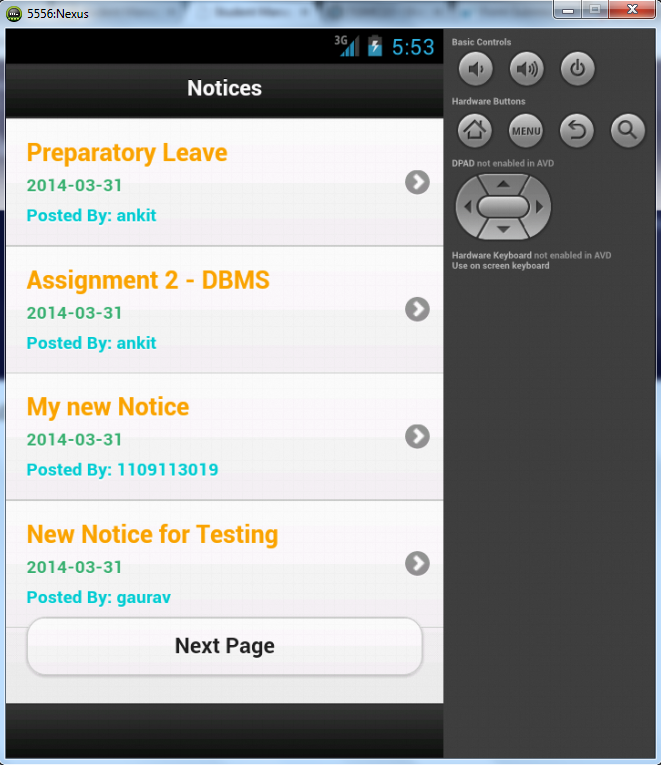
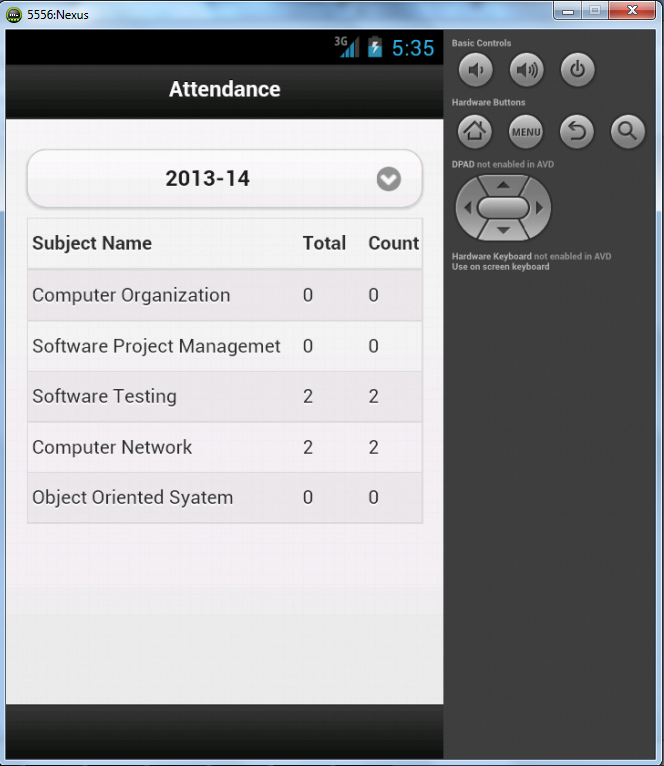
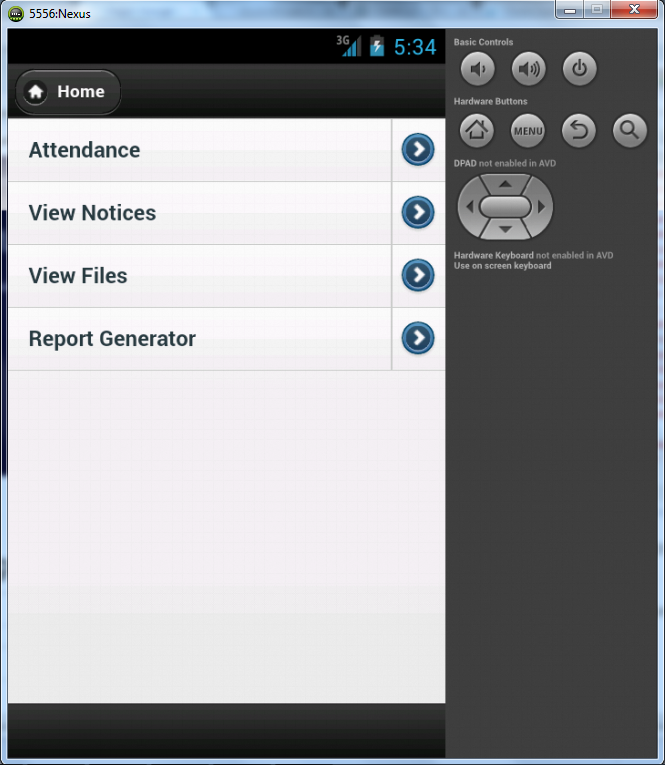
With a notice, **multiple files** can also be **attached** for example assignments.

The uploaded notices can be seen on **View Notices** on left sidebar.



Notices with attachment will have a paperclip symbol ahead of their subject.

**Using Mobile App**

To view all things (attendance,notices,marks), students have to log into their phones, using the mobile app, Enter their username and passwords, and begin.

PROJECT TEAM 🡪 Sharingan

Members 🡪

Gaurav Sharma

Ankit Chaurasia