INSTRUCTIONS

This project consists of server and mobile app. Server has 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 Open Shift 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.

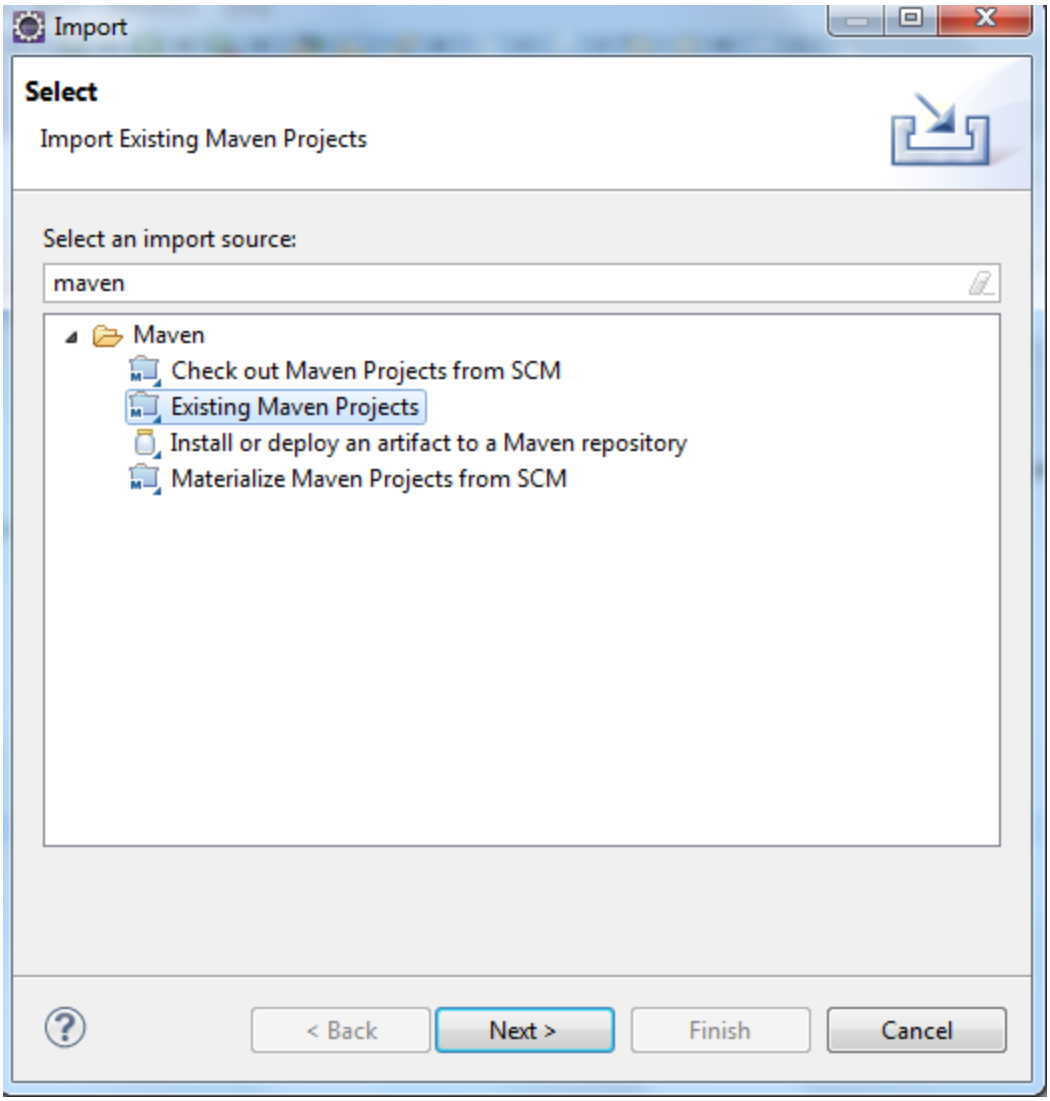
There are 2 ways of deploying server

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

1.) MAVEN PROJECT

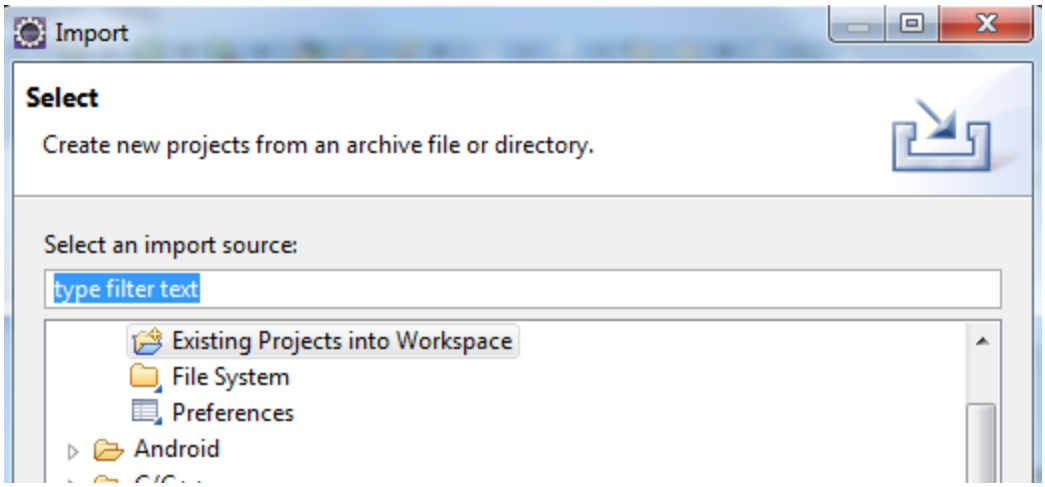
For this,

- Your computer must have maven installed and class paths set.
- M2E plugin should be installed in eclipse.
  After that in eclipse, Click File → import →existing maven projects,

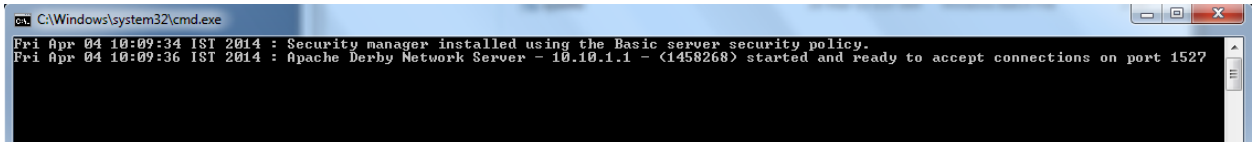


Then browse for "/Source Code/Server code/Maven Based"

OR if you do not want to does it with maven, then click on file→import→existing projects into workspace
Then browse for "/Source Code/Server code/Dynamic Web Project"

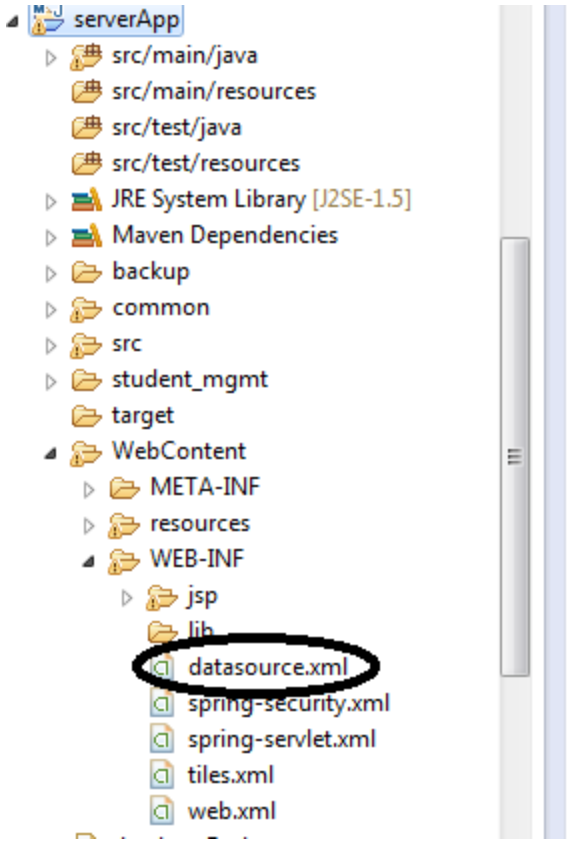


After the project gets imported, start the apache derby DBMS by running **startnetworkserver.bat** inside the bin directory which is inside derby installation directory.



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 lines 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

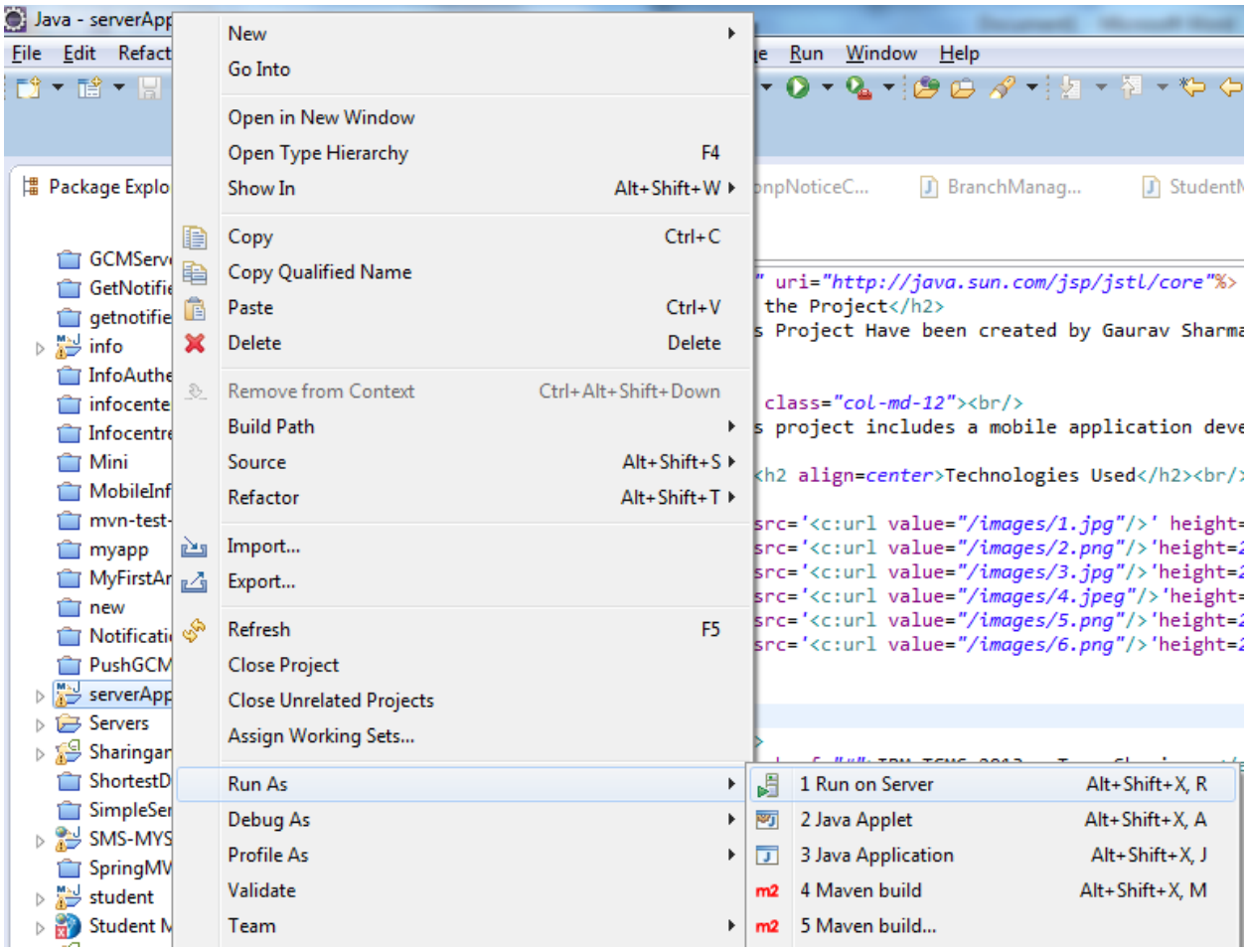
```
<context:annotation-config />
<bean id="dataSource"
    class="org.springframework.jdbc.datasource.DriverManagerDataSource">
    <property name="driverClassName" value="org.apache.derby.jdbc.ClientDriver" />
    <property name="url"
        value="jdbc:derby://localhost:1527/C:/Users/Devesh/workspace/serverApp/student_mgmt" />
</bean>

<bean id="fileSaveUrl" class="java.lang.String">
    <constructor-arg>
        <value>C:/Users/Devesh/Desktop/</value>
    </constructor-arg>
</bean>
```

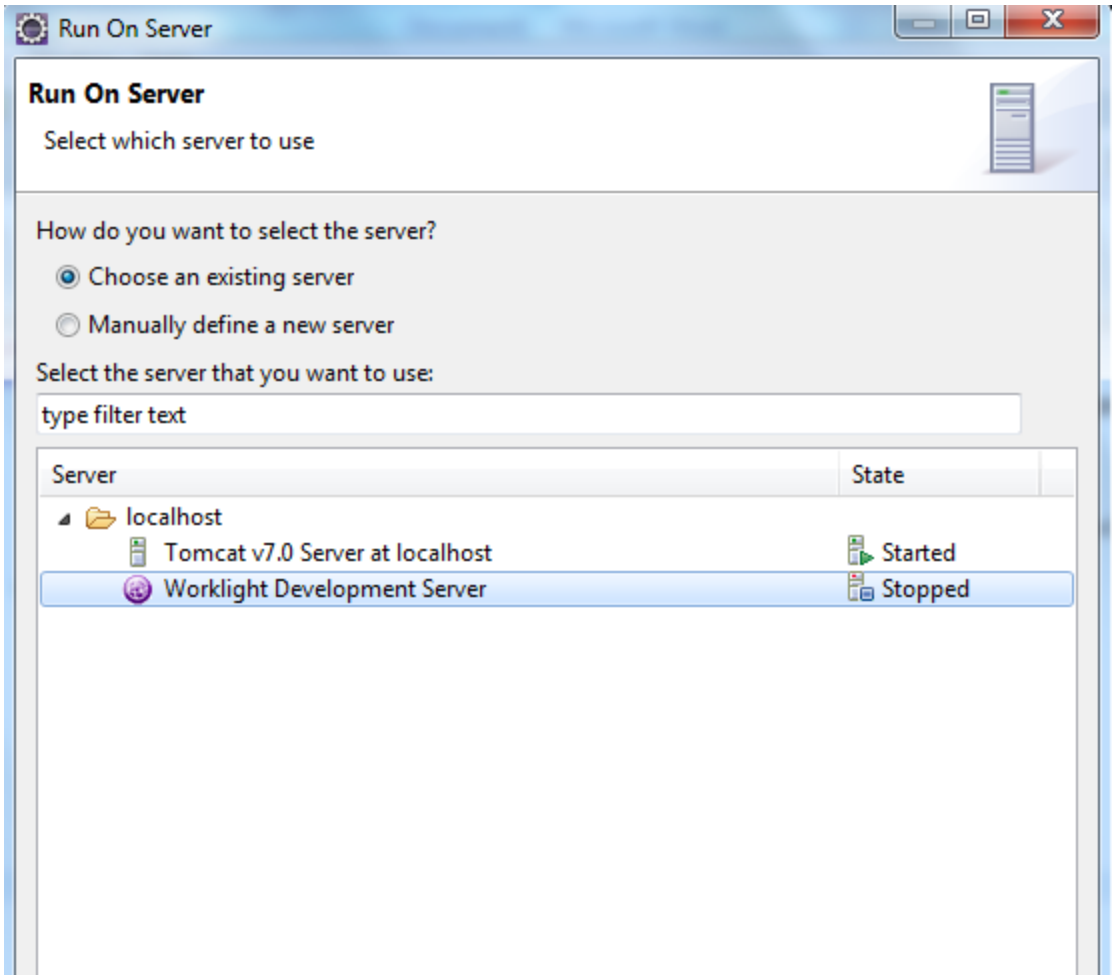
The second path is for the path where file uploaded by the teacher will be saved

Note :: Remember to add ‘ / ’ after selecting the directory.

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

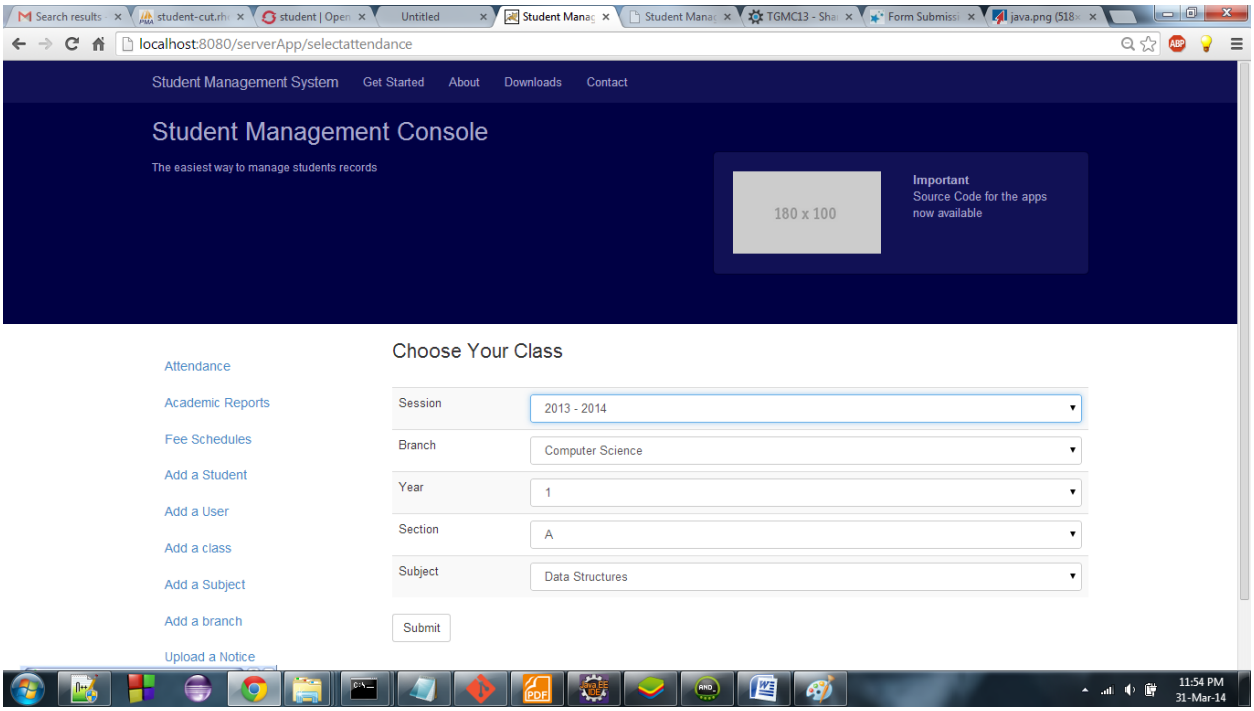


Then select Worklight server



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

Username: gaurav
Password: ankit



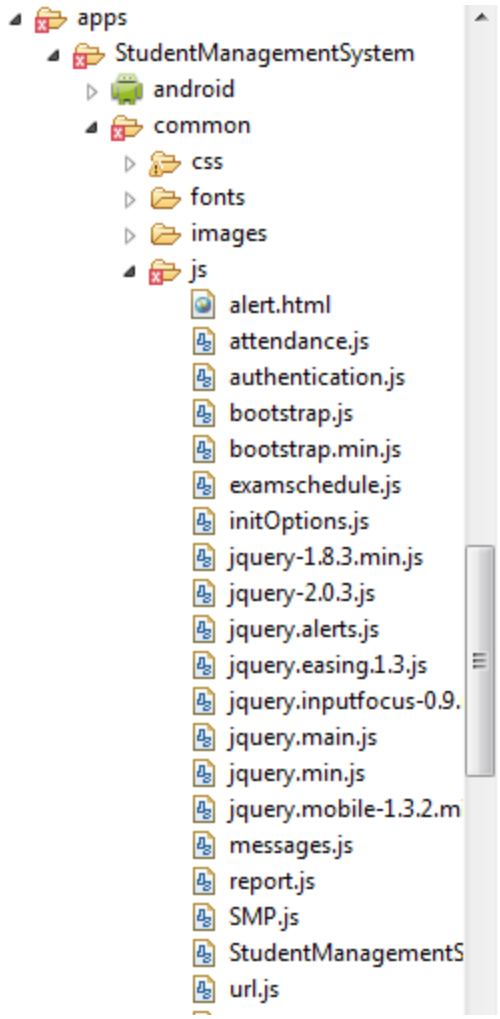
SETTING UP MOBILE APPLICATION

Import the project in eclipse

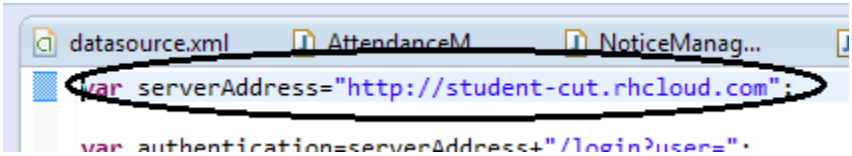
If you are using the existing cloud server on open shift (URL mentioned above), then there is no need to modify url.js, just execute the apk or compile using the source.

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 .

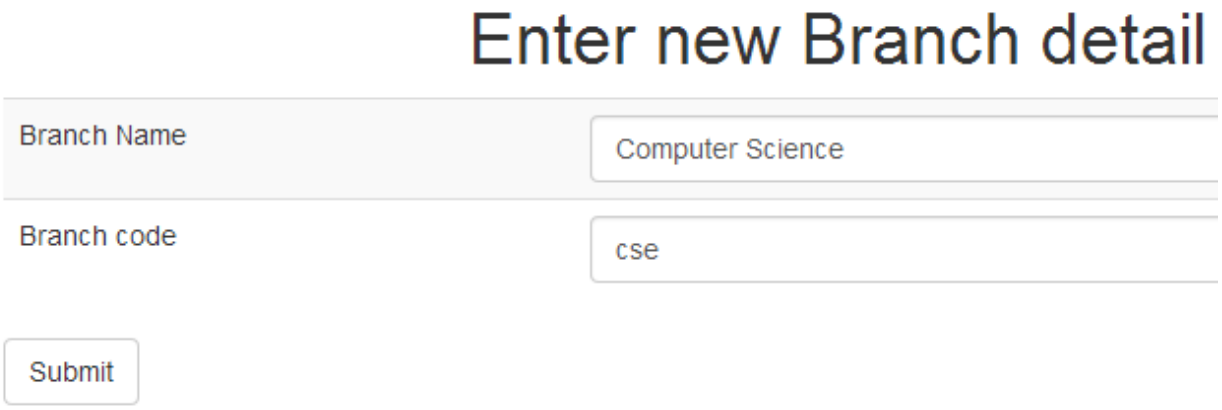
LOGIN

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

This was **admin login**.

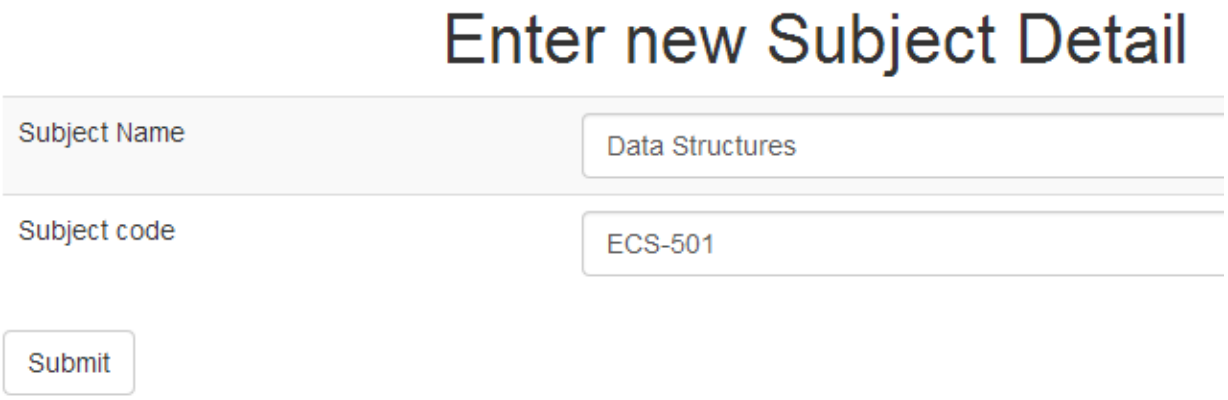
Adding a new Branch/Course

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

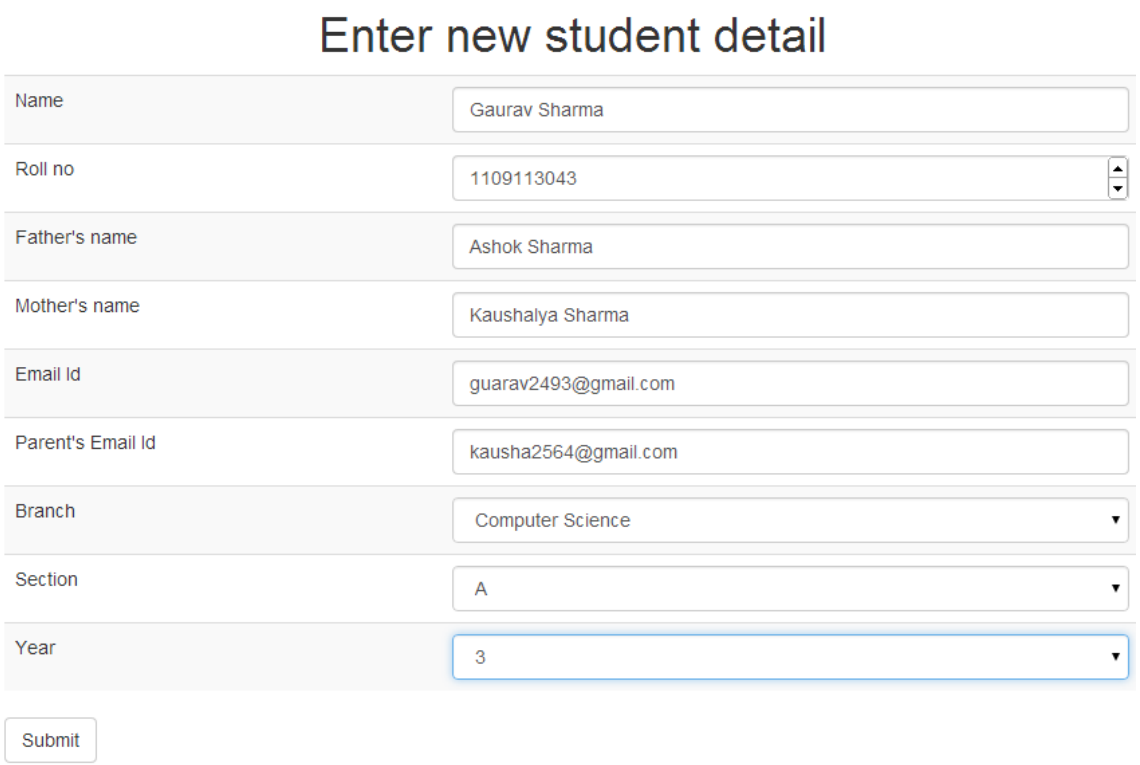
The database do not have list of available subject. To add subjects, click at **Add subject** in the left sidebar.



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.



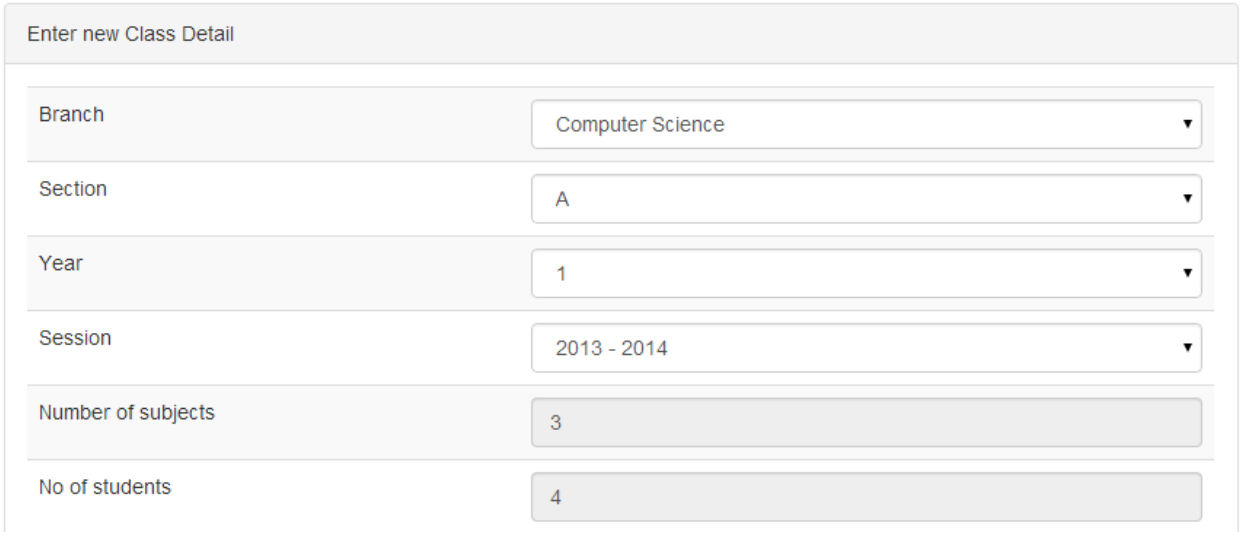
The **username** and **password** for a new student will be the **roll number** itself

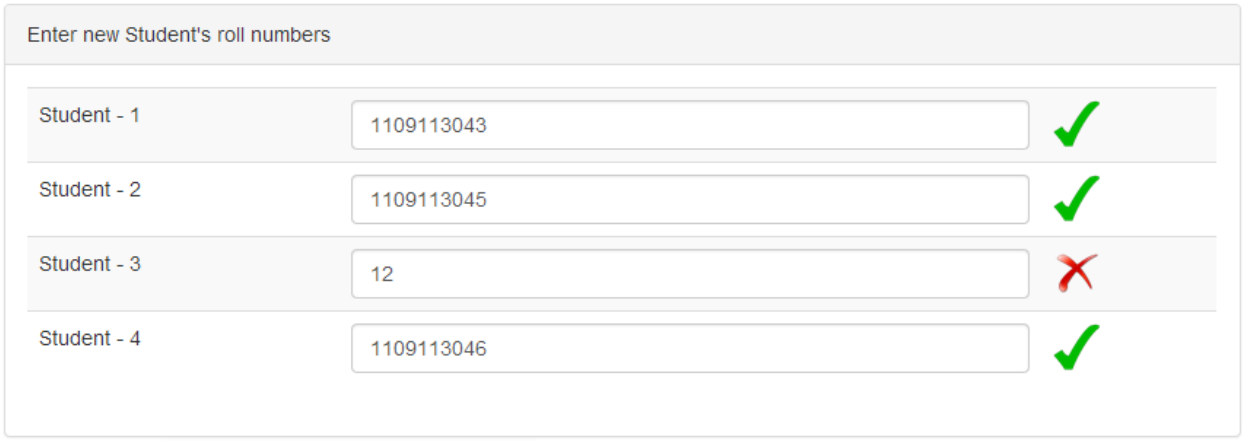
Roll number should be integer example **1109113019.**

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.

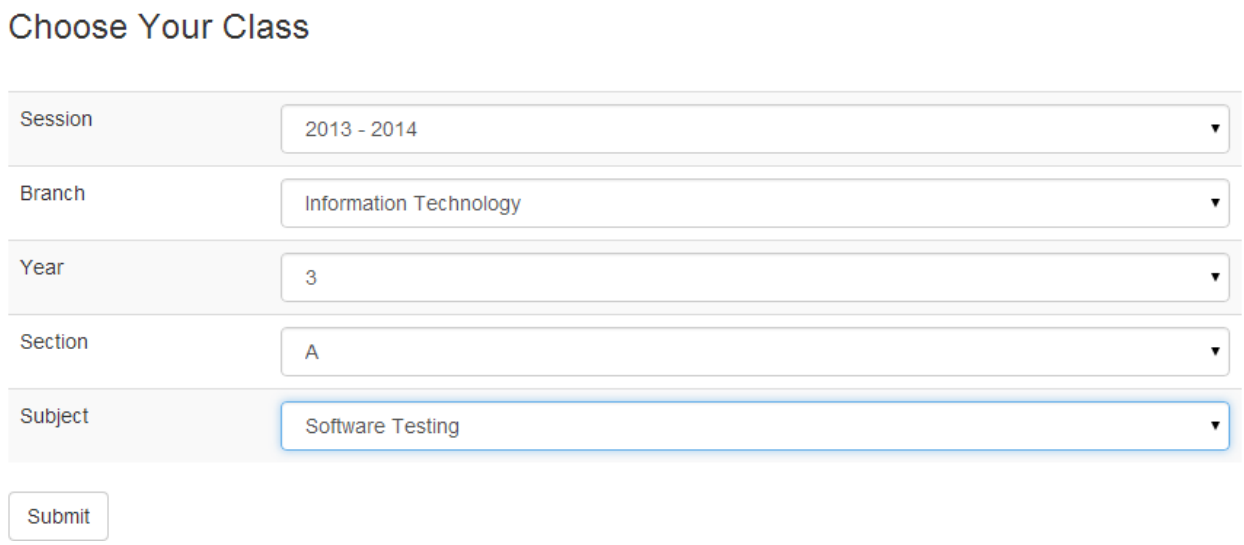




The roll numbers which were not added in **Add a Student** section will no be recognized. And will give a cross icon . The correct roll numbers will give a Tick sign

Attendance

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



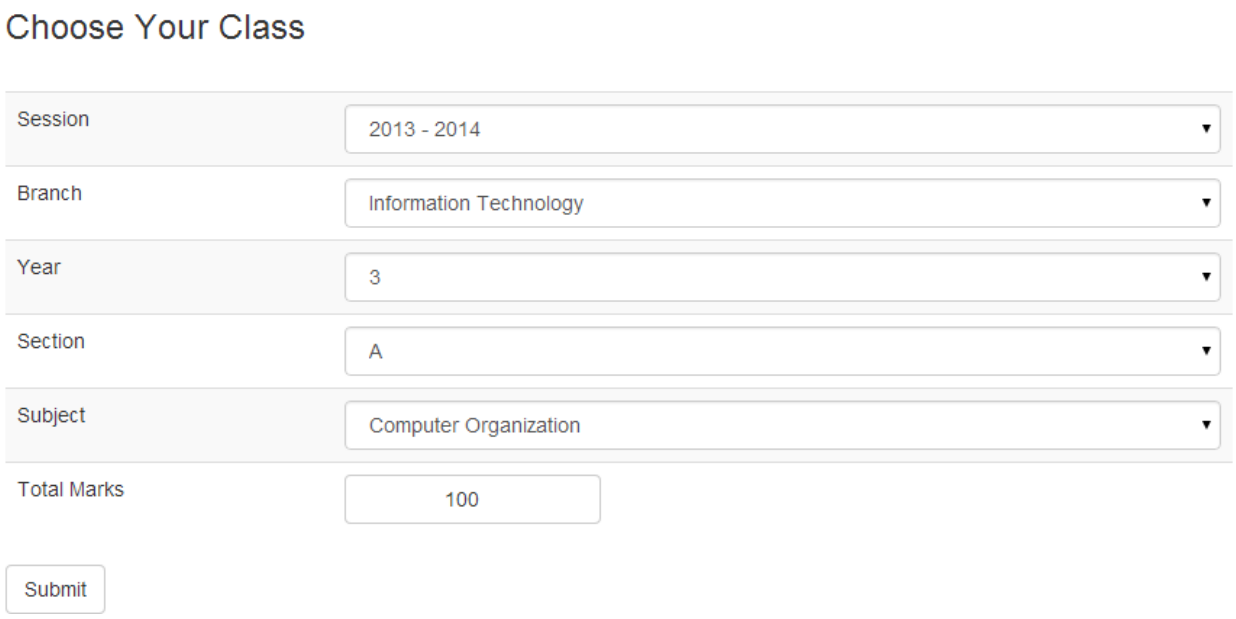
Now you can check on name of students who are present

Click submit and its done.

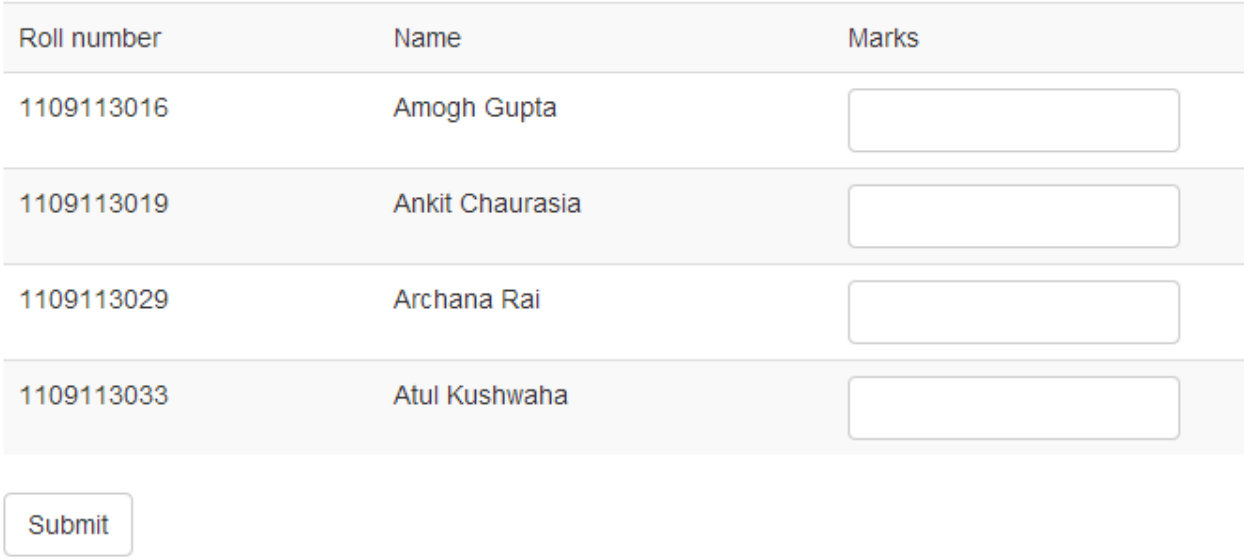
Marks Upload

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

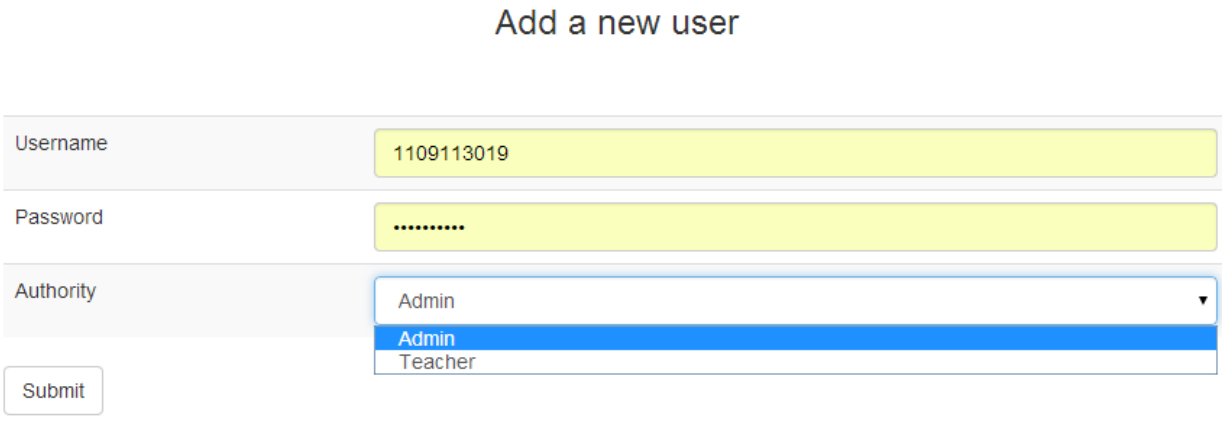


Start entering marks



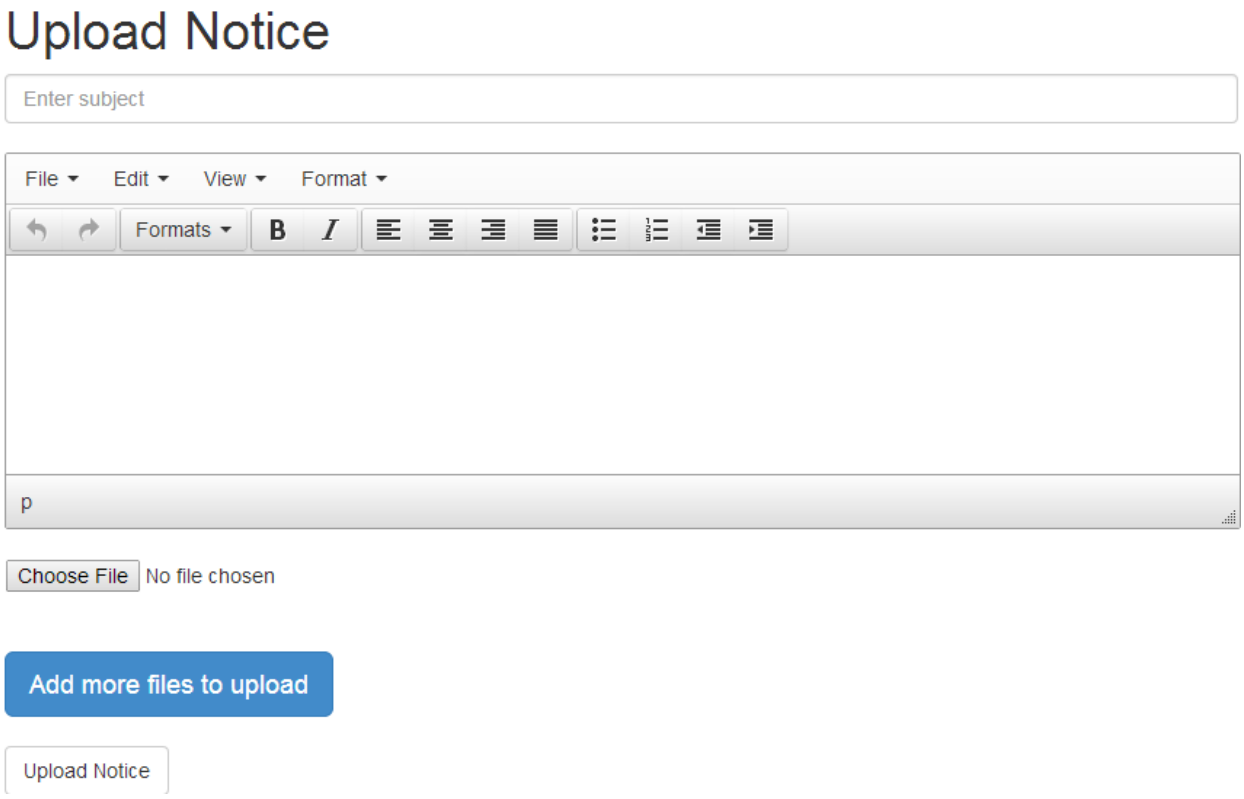
Creating a new Account for Teacher/Admin

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



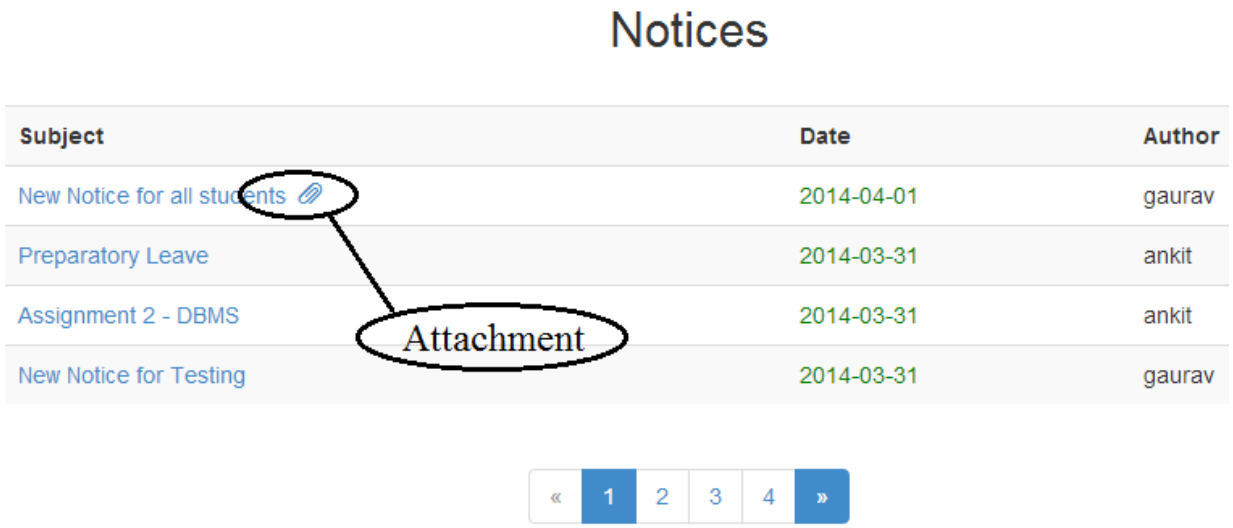
Any teacher / admin can upload a notice for entire college. For that, just click at **Upload a notice** on left sidebar.

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.



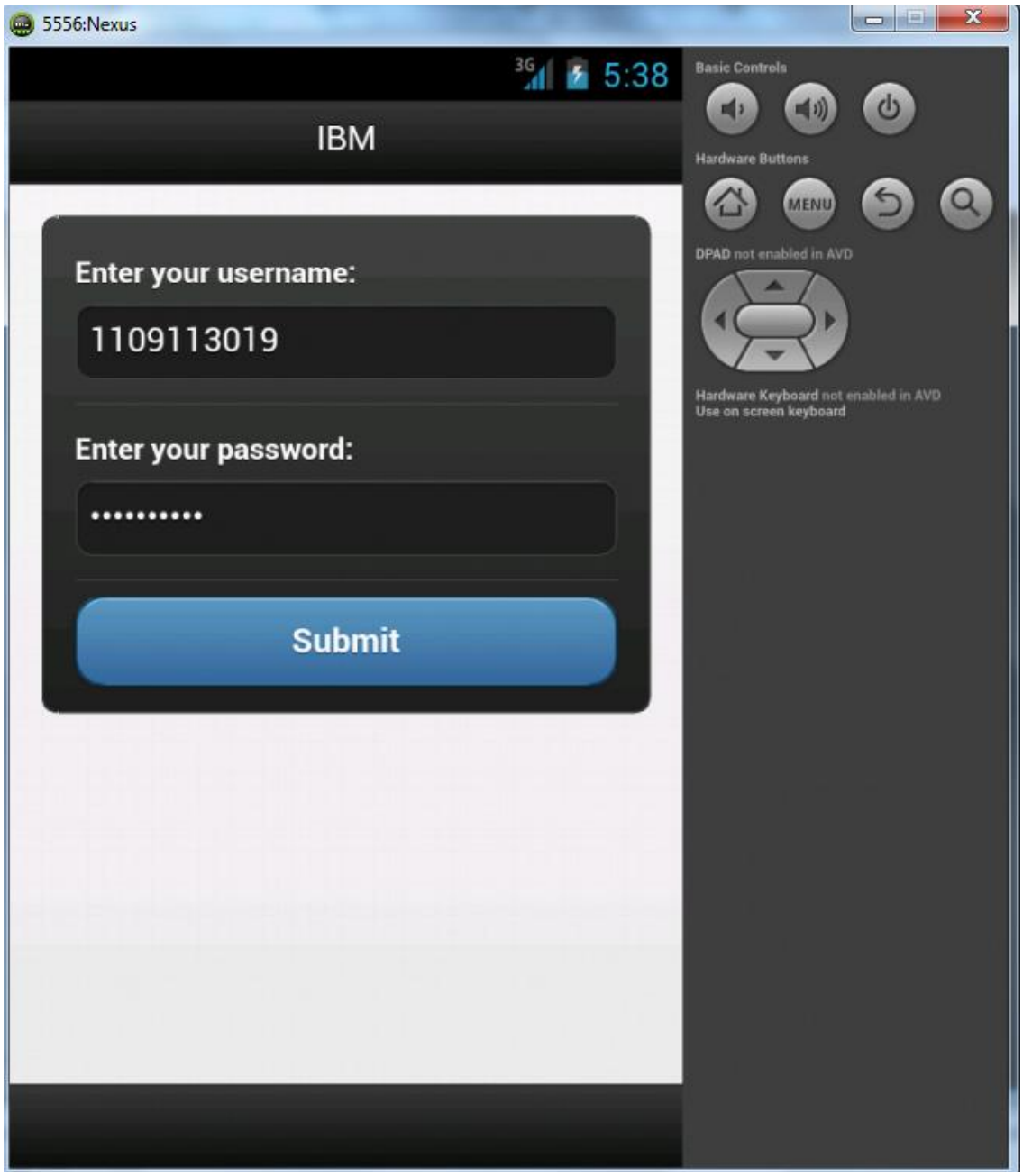
Notices with attachment will have a paperclip symbol ahead of their subject.

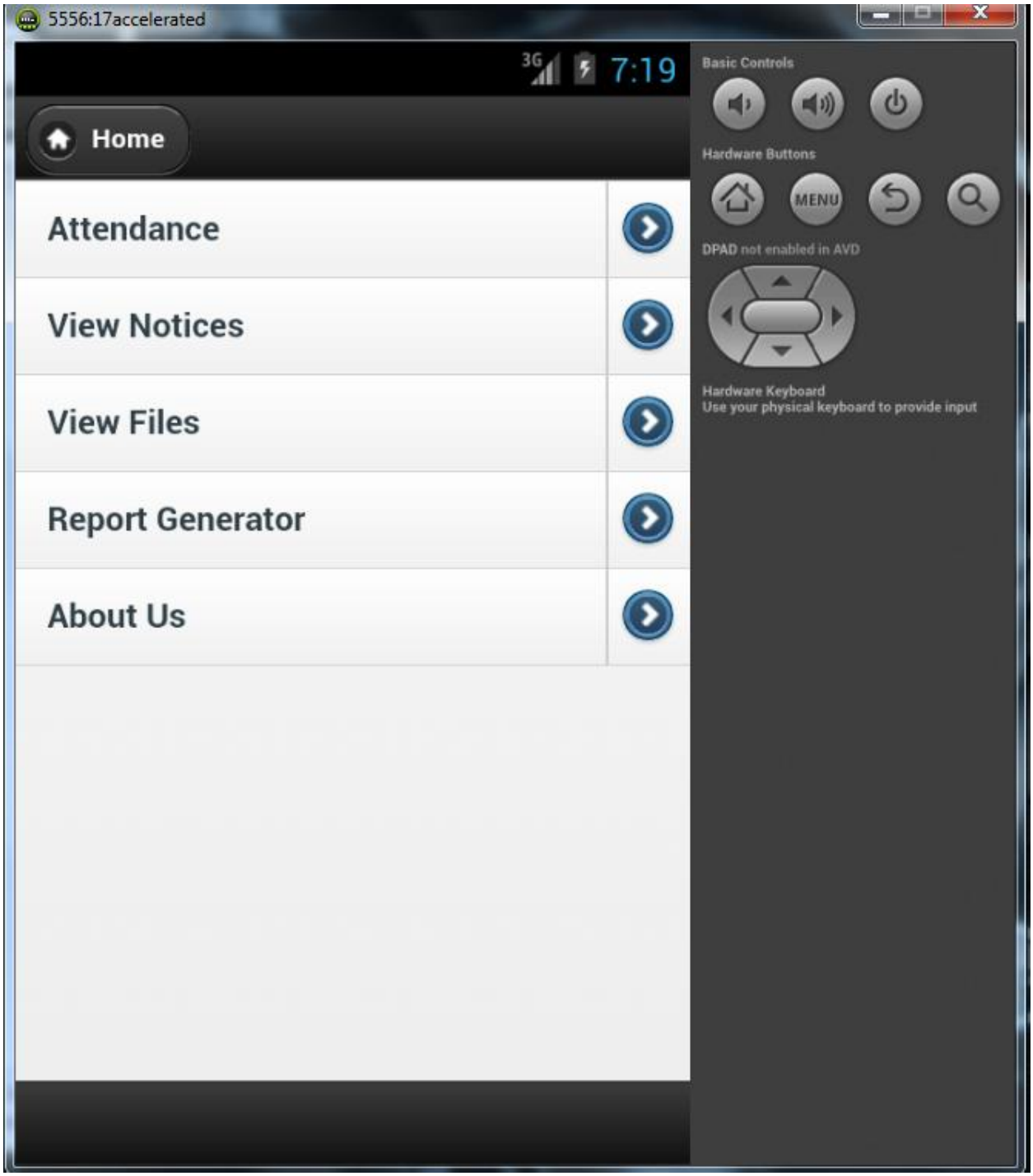
Using Mobile App

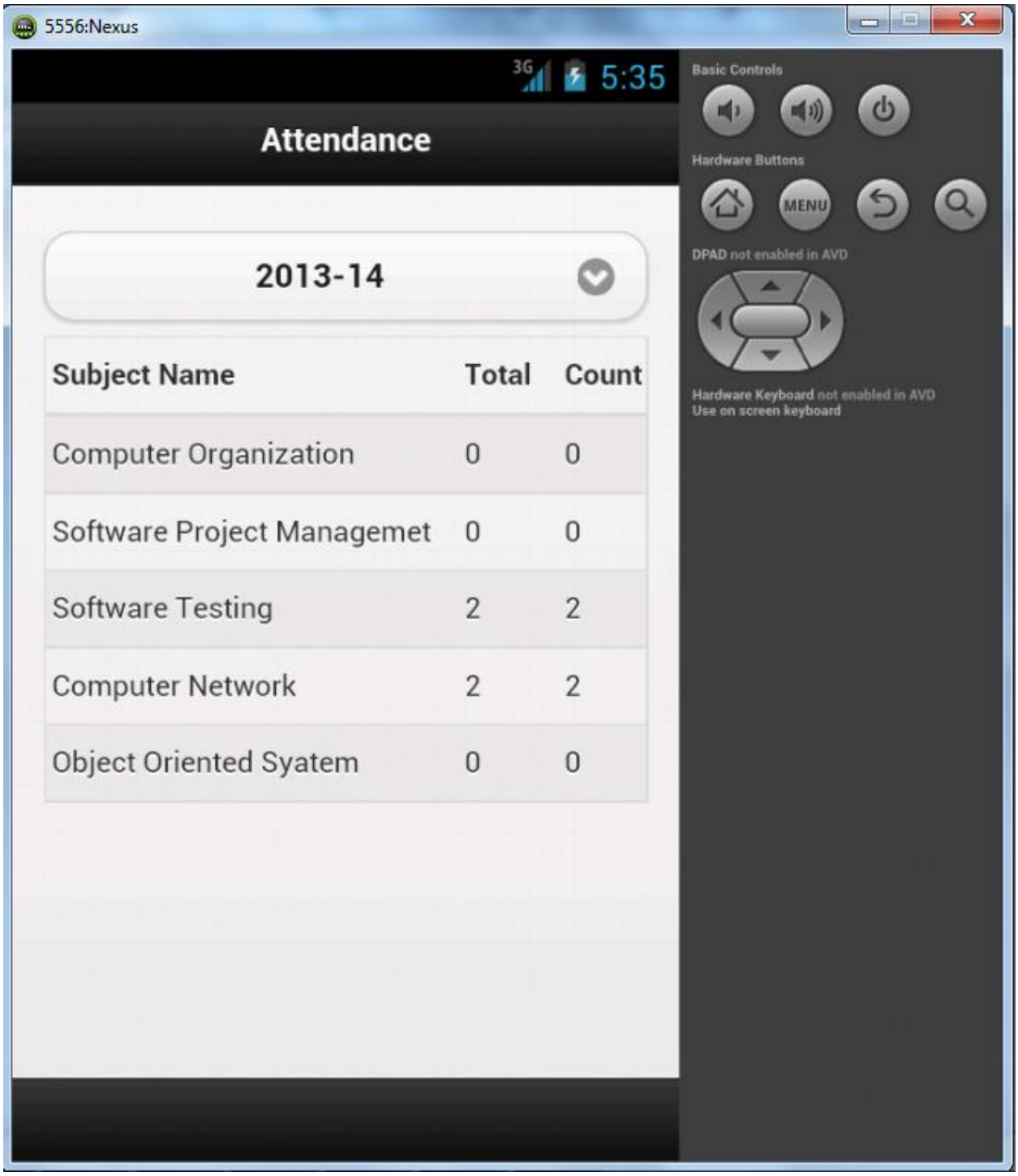
To view all things (attendance,notices,marks), students have to log into their phones, using the mobile app, Enter their username and passwords, and begin.

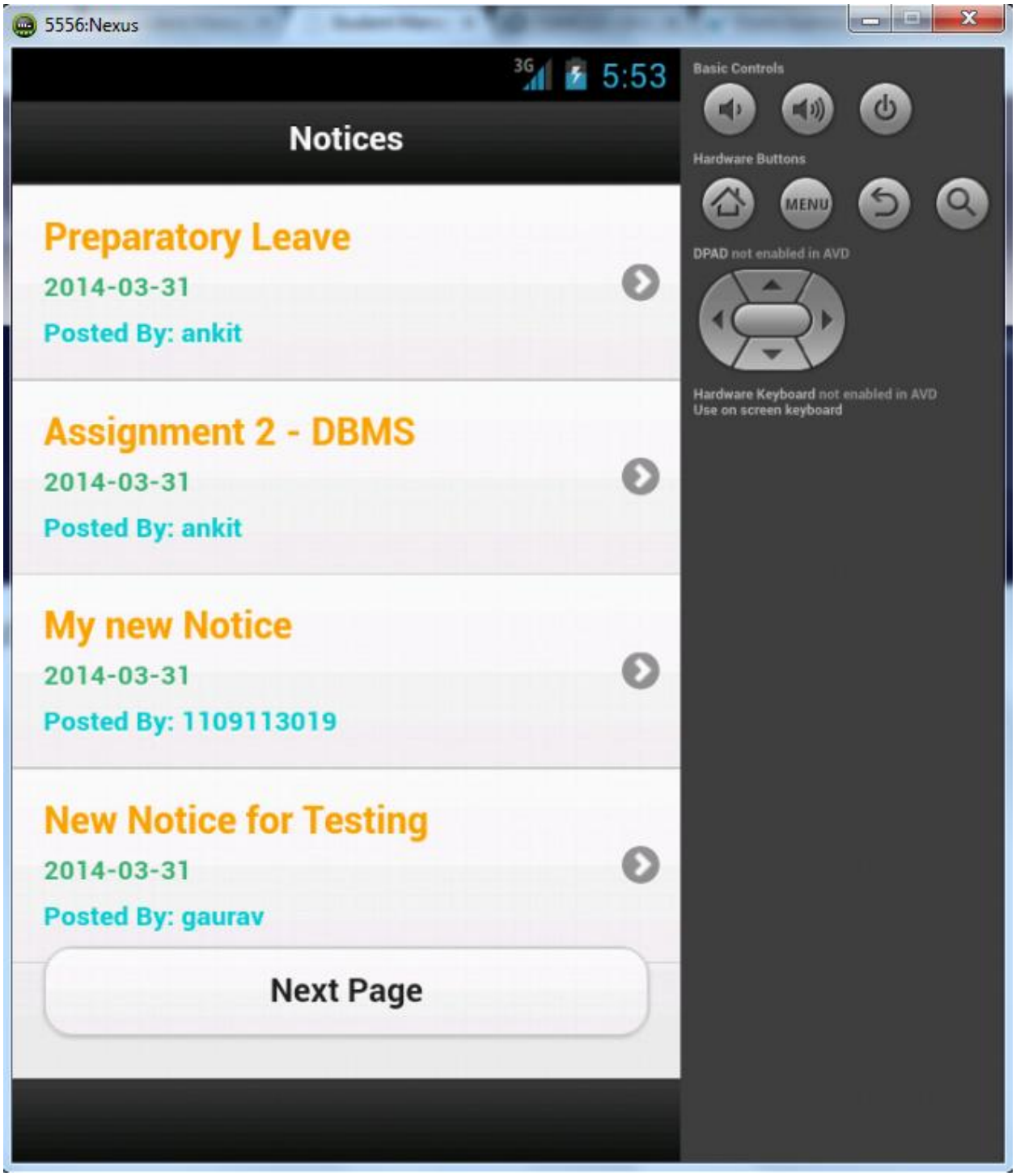
Username 1109113019

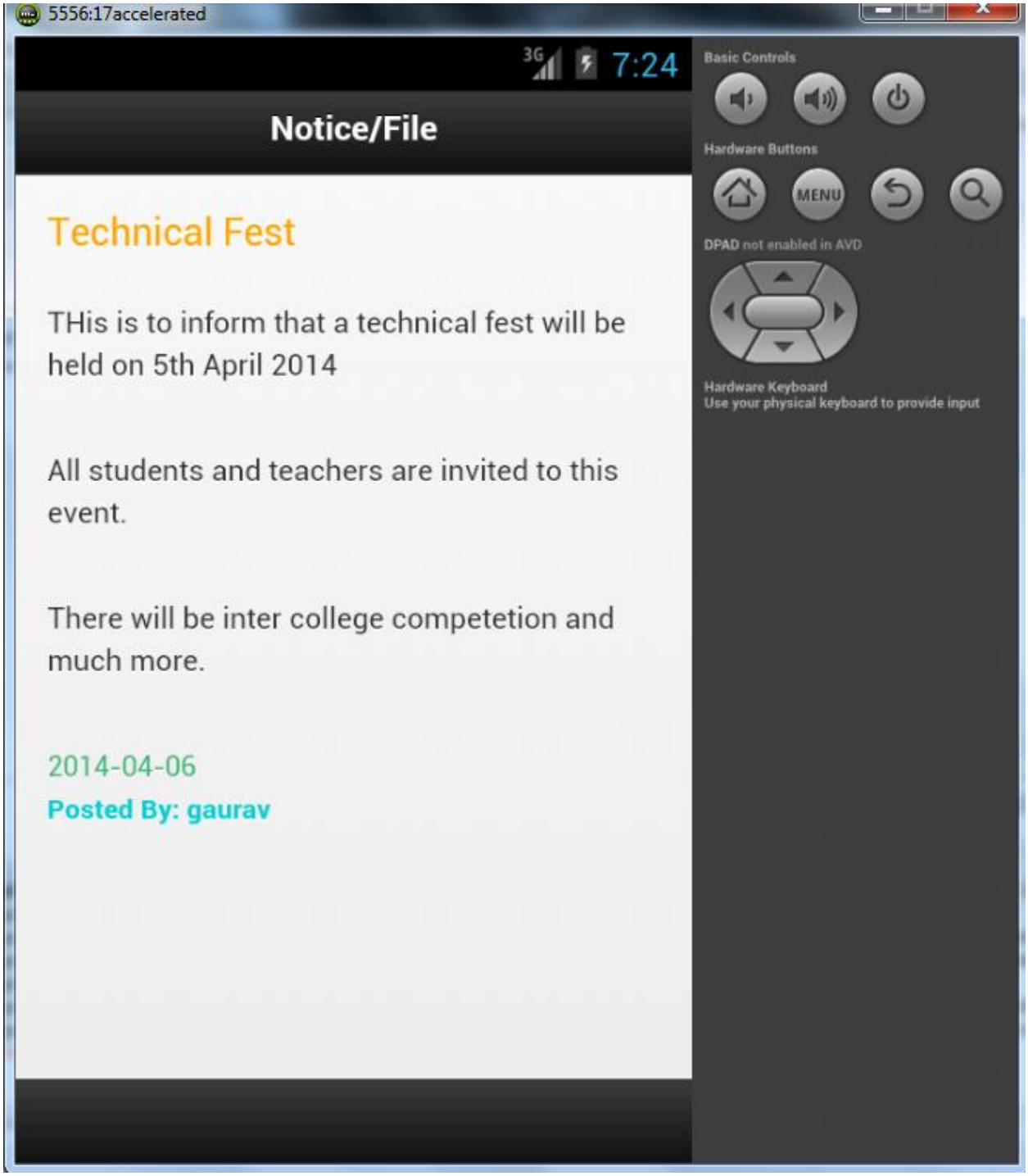
Password 1109113019

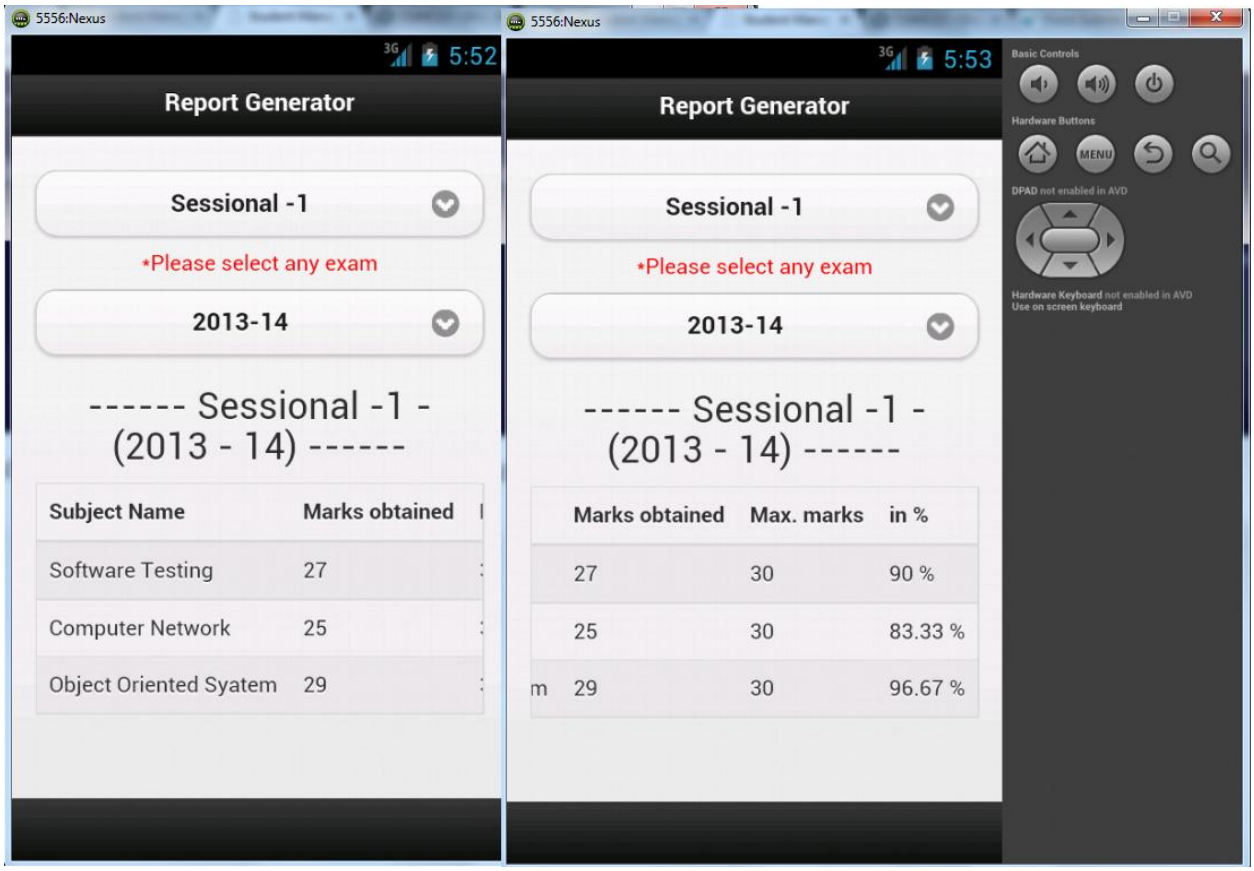


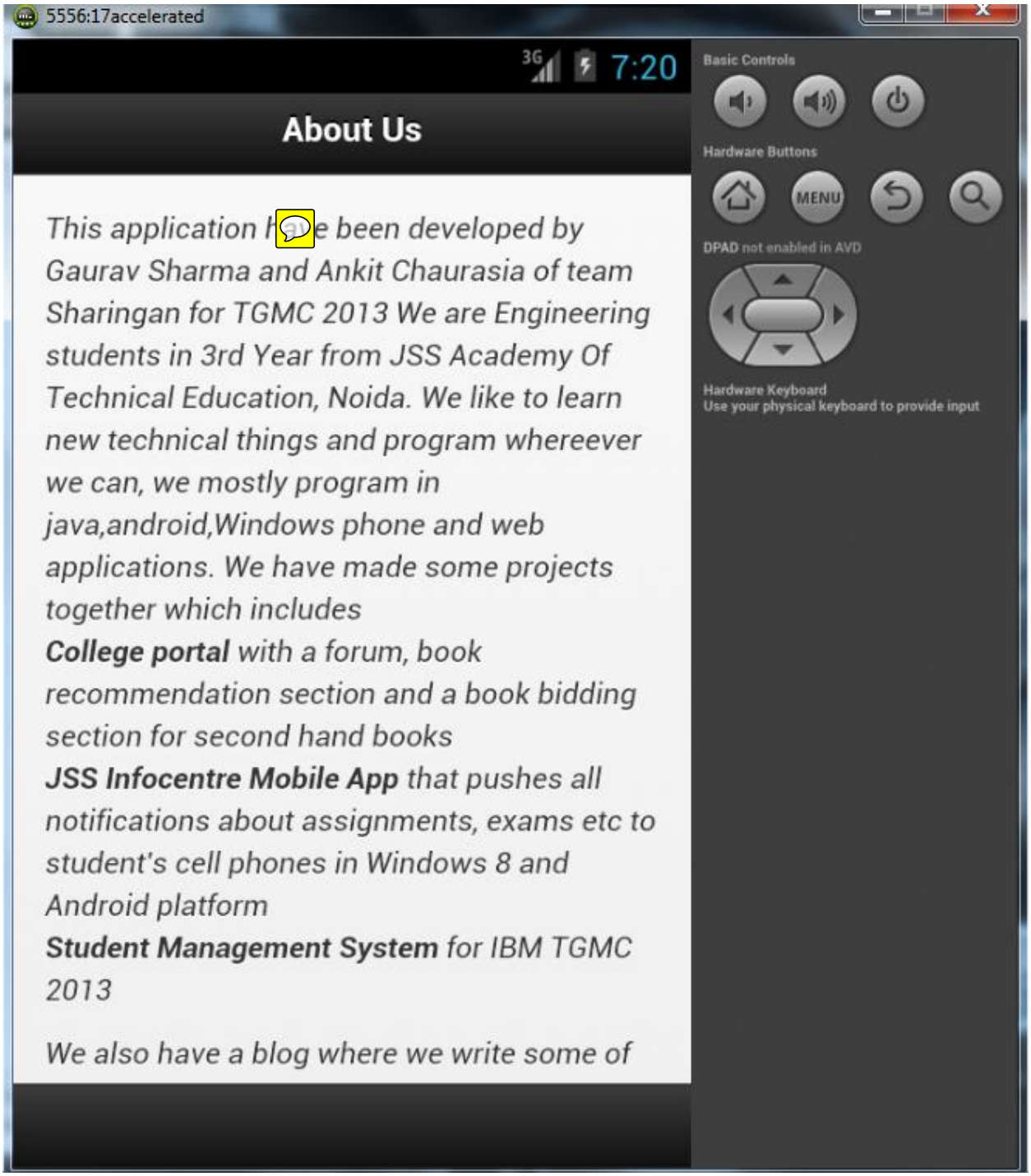

5556:17accelerated
3G
7:19
Home
Attendance
View Notices
View Files
Report Generator
About Us
Basic Controls
Hardware Buttons
MENU
DPAD not enabled in AVD
Hardware Keyboard
Use your physical keyboard to provide input


5556:Nexus
3G
5:35
Attendance
2013-14
Subject Name
Total
Count
Computer Organization
0
0
Software Project Managemet
0
0
Software Testing
2
2
Computer Network
2
2
Object Oriented Syatem
0
0
Basic Controls
Hardware Buttons
MENU
DPAD not enabled in AVD
Hardware Keyboard not enabled in AVD
Use on screen keyboard


5556:Nexus
3G
5:53
Notices
Preparatory Leave
2014-03-31
Posted By: ankit
Assignment 2 - DBMS
2014-03-31
Posted By: ankit
My new Notice
2014-03-31
Posted By: 1109113019
New Notice for Testing
2014-03-31
Posted By: gaurav
Next Page
Basic Controls
Hardware Buttons
MENU
DPAD not enabled in AVD
Hardware Keyboard not enabled in AVD
Use on screen keyboard


5556:17accelerated
3G
7:24
Notice/File
Technical Fest
THis is to inform that a technical fest will be held on 5th April 2014
All students and teachers are invited to this event.
There will be inter college competetion and much more.
2014-04-06
Posted By: gaurav
Basic Controls
Hardware Buttons
MENU
DPAD not enabled in AVD
Hardware Keyboard
Use your physical keyboard to provide input


5556:Nexus
5:52
Report Generator
Sessional -1
*Please select any exam
2013-14
------ Sessional -1 - (2013 - 14) ------
Subject Name
Marks obtained
Software Testing
27
Computer Network
25
Object Oriented Syatem
29
5556:Nexus
5:53
Report Generator
Sessional -1
*Please select any exam
2013-14
------ Sessional -1 - (2013 - 14) ------
Marks obtained
Max. marks
in %
27
30
90 %
25
30
83.33 %
29
30
96.67 %
Basic Controls
Hardware Buttons
MENU
DPAD not enabled in AVD
Hardware Keyboard not enabled in AVD
Use on screen keyboard


5556:17accelerated
3G
7:20
About Us
This application has been developed by Gaurav Sharma and Ankit Chaurasia of team Sharingan for TGMC 2013 We are Engineering students in 3rd Year from JSS Academy Of Technical Education, Noida. We like to learn new technical things and program whereever we can, we mostly program in java,android,Windows phone and web applications. We have made some projects together which includes
College portal with a forum, book recommendation section and a book bidding section for second hand books
JSS Infocentre Mobile App that pushes all notifications about assignments, exams etc to student's cell phones in Windows 8 and Android platform
Student Management System for IBM TGMC 2013
We also have a blog where we write some of
Basic Controls
Hardware Buttons
MENU
DPAD not enabled in AVD
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Use your physical keyboard to provide input

PROJECT TEAM → Sharingan

Members →

Gaurav Sharma

Ankit Chaurasia

For any query you can call us.

9013669956

9453907031

Or Mail us:

ac13793@gmail.com

gaurav2493@gmail.com