

Maharashtra State Board of Technical Education Mumbai. (M.S.B.T.E.)



## PROJECT TITLE 'Curious Us'

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Under the guidance of  
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In partial fulfilment for the award of  
Diploma in Computer Engineering



Department of Computer Engineering  
Marathwada Institute of Technology, Polytechnic, Aurangabad.  
[2019-2020]

## Certificate

This is to certify that the project report entitled “Curious us”, submitted by Harshvardhan Desale, Pranit Rathod & Chaitanya Raskar is the Bonafede work completed under my supervision and guidance in partial fulfilment for the award for diploma in “Computer Engineering” under Maharashtra State Board of Technical Education (M.S.B.T.E.), Mumbai.

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## Abstract

This project state that the information which are virtually given to each college student as respective Branches are been acknowledged by this Applications moreover, This project also includes teachers involvement and along with pupils(students).

This project is a Web based related which has been focused in the following formats:

1. The teacher can directly broadcast Message of any kind of information or the notice which should be given to the student in very urgently so that the wastage of time can be prevented
2. It also contents the task as broadcasting to the Student related to expert lecture to their particular time in any 3rd year review task, etc
3. Event - Institute event has been an impact activity all over the Seasons which ensure us to capture those memorable day to some well storage area this website have made possible to capture those moment and make a permanent storage to Upload and Download the Main event Image directly from the Curious Us Website.
4. This website also ensures to provide Notes or syllabus related material in PDF format to each pupil respectively.
5. The advanced feature of the 'Live Google Map' so that the students can easily find the route to the institute from any place.
6. Can able to View and send a Enquire to a teacher and he/she will be acknowledge, about Number of student trying to attend the institute and contact us
7. Can able to view and edit/delete the Ranker

NOTE : This website also ensure the privilege to two candidate(Student/Teacher).Student have only able to View the content and download the file never able to edit/Delete the content whereas the Teacher have a privilege to Update ,delete ,view and able to upload the file, image etc

Keywords: Profile, Events, Message broadcasting, Enquires, Syllabus details, Ranker details, Course details, Syllabus details, acknowledgement of the faculty members.

## Chapter 1: Introduction

### 1.1] Introduction

This system is been developed for the ‘Ravi Programming Academy’. Where the necessity is to make students aware of the the institute through a well website content and necessary information, the information such as Institution schedule, daily Updatation, events uploading(images), Downloading File, uploading File etc.

This proposed system ‘Curious Us’ will have several features such as Security, safe information transfer where your personal information such as Mobile Number, email address, etc. won’t leak. This system will also have a Login Page for excess security, to avoid any unauthorised guest which would manipulate the system. The SMS system is provided so that the necessary information would be provided. So that the valuable time of the students would be saved.

This proposed system will also work for the acknowledgement of the students so that the students will be updated daily about various things such as Syllabus ,Rankers and many more. The facilities such as viewing courses, faculty members, rankers of particular subject, class are also been provided to the students. Apart from this, the feature of making students for important Notice are been send through this website via SMS by a teacher on one click

We have been developed this web-based system on the Visual Basic version 16.0 using the ASP.net framework with C#, for well design we have been used the Bootstrap, CSS, Java-Script and HTML. This proposed system will also need the large database so we have used Microsoft Access database for this proposed system. We have been used the system which has laptop with configurations processor Intel i5 8th generation, Nvidia GeForce 1080 2GB graphics card, with 8 Gigabytes of RAM.

## 1.2] Necessity

In the recent days the schedule of the students has become tighter which means they get less time in their day to day life. Because of this the students can't remember the less important activities such as Syllabus/Notes, tuition schedule and other activities. But for getting this the students won't have to make certain calls or other things which takes lot of time. The time which can be utilized in the better way in studies or other activities. So, by using this propose system the students can easily see the competition around them, the faculty members of the respective years, the rankers according the subjects and the class too.

The major problem we realise is that the teachers as well as the students are not able to convey the messages or certain notice properly to each other. So, here we as the developers of the CuriousUs provided the special facility to the teachers of broadcasting messages to thousands of students at one time on single click. By using this facility, the teachers can convey their messages in more efficient way, by saving their precious time.

We also recognise the problem that the students are not able to find the address which is given in the text format which occupies lots of time. So, to overcome this difficulty we added the facility of live the 'Live Google Maps'. This system will directly recognise the live location of the user and assist him/her the easiest route to the institution.



### 1.3] Objectives

The objectives of the system 'Curious Us' are as follows:

- To create an easy user interface for both teacher and students.
- To make students aware about the Syllabus and many more about the institute.
- To make students aware of change in tuition timings via website(SMS).
- To make students study more in less time.
- To reduce to wastage of time of the students as well as teachers.
- Allow the teacher to interact with the students more easily via Broadcasting Message.
- Allow teachers to post important information easily.
- It will become easy for the teacher to notify the students in real time about certain necessary things such as Tuition timings, change in tuition schedule, notifying them about the events, etc.
- Make students to find the institution easily without any difficulty via a well prepared Live Google Map.

## Chapter 2: Literature Survey

### 1] Web-Based Teacher-Student Interaction in a Traditional Course

Platform independent Java application to support interaction between an instructor, teaching assistants and students in a traditional on-campus course is developed. The TSI (teacher-student interaction) application includes a specialized Web server, an ordinary Web server, a mailer and a simple database. The HTTP protocol is used for all communications. Both teachers and students employ Web browsers to access the TSI server. Students have possibilities to check their personal data (scores and comments), to download educational materials, to upload files and to communicate to the instructor or teaching assistants.

Advantages:

1.A simple way to publish course materials is to put them on the Web. However, to add new material it is necessary to modify a Web page on the Web server.

[A simple way to publish]

2.In order to have the application a lightweight one with easy installation and use it been developed as a stand-alone application with the use of Java standard APIs.

[Lightweight]

3.Platform independent Java application to support interaction between an instructor, teaching assistants and students in a traditional on-campus course is developed.

[Platform independent]

Disadvantage:

1.The development of CGI scripts is a complicated task for professors, and the university Regulations may forbid CGI scripts on personal Web pages. As this CGI isn't implemented in this Project which prevent the Project from complicity.

[Complicity]

2.As implementing in Java Programming language the time Constraint/Consumption is more. However this project has overcome the time duration as this project has been developed in the ASP.net framework which has a rapid development speed compared to the Java Program.

## 2] Developing a New Android App for College Management System

Breeze is a new Android Application which provides a common, easy to use platform for college students for better interaction with fellow students, faculty and administration. This work has unique and helpful feature of queries, where students can put up their queries and anyone can answer their queries. For keeping a check over inappropriate posts a feature of report is also provided which tells admin about inappropriate posts and actions could be taken over it accordingly. It also provides user a help option which helps user with any information regarding labs, faculty and lecture halls. Breeze also provides a platform where user can view daily updates of his attendance and syllabus. Breeze app works fluently as it is based on online database system firebase. It has secure login features, and also allows login through Facebook and Google. It also provides basic features like changing password, changing profile picture, retrieving forgotten password. In all, it is an all in one application which has all the features to solve the basic problems of college students.

### Advantages:

1. Solve the basic problems of college students very easily.
2. Connecting with other students and the faculty is very easy.

### Disadvantages:

1. It's an Android app so each student has to install it.
2. Due to Android app so you have to update app on each time.

### 3] Web Based Student Information Management System:

Student Information Management System (SIMS) provides a simple interface for maintenance of student information. It can be used by educational institutes or colleges to maintain the records of students easily. The creation and management of accurate, up-to-date information regarding a students' academic career is critically important in the university as well as colleges. It will also have faculty details, batch execution details, students' details in all aspects, the various academic notifications to the staff and students updated by the college administration. It also facilitates us explore all the activities happening in the college, Different reports and Queries can be generated based on vast options related to students, batch, course, faculty, exams, semesters, certification and even for the entire college.

#### Advantages:

1. Easy to Maintain a data of all Campus In application.
2. Records Update time to time in system.

#### Disadvantages:

1. In that System is no interaction between teachers And Students There is big communication gap in them.
2. It's only for teachers use students has no access on that system.

#### 4] SMART CAMPUS – An Academic Web Portal with Android Application

The SMART CAMPUS is a mobile as well as web application. It uses smart phones of android platform and web services on computer systems. The main objective is to develop an application that provides a smart and easy way for the execution of several academic operations to provide students with information regarding complaints, any placement activities, general notices, and important notices regarding all departments. The application has four types of users: Student, Teachers, H.O.D., and Principal. Each type of user will have own application view respective to their type. They will have privileges according to their designation or their types and have the rights to post things on application so that other users can view that if they are supposed to or have permission to view it. We also provide multiple features so that they can have all the academic things and information at one location. For HOD and principal we will provide features to look overall operations over the applications and have control on it.

##### Advantages:

1. Each type of user will have own application view respective to their type. They will have privileges according to their designation or their types and have the rights to post things on application

##### Disadvantages:

1. Loss of records is likely to occur, as it is paperwork.
2. Maintenance is hard and Time consuming.

## 5] Development of a Student Database Management System for polytechnic

A database-management system (DBMS) is a collection of interrelated data and a set of programs to access those data. The database contains information relevant to an enterprise. The primary goal of a DBMS is to provide a way to store and retrieve database information that is both convenient and efficient. By data, we mean known facts that can be recorded and that have

implicit meaning. A datum – a unit of data – is a symbol or a set of symbols which is used to represent something. This relationship between symbols and what they represent is the essence of what we mean by information. Hence, information is interpreted data – data supplied with semantics. Knowledge refers to the practical use of information. While information can be transported, stored or shared without many difficulties the same cannot be said about knowledge. Knowledge necessarily involves a personal experience. Database systems are designed to manage large bodies of information. Management of data involves both defining structures for storage of information and providing mechanisms for the manipulation of information. In addition, the database system must ensure the safety of the information stored, despite system crashes or attempts at unauthorized access. If data are to be shared among several users, the system must avoid possible anomalous results. Because information is so important in most organizations, computer scientists have developed a large body of concepts and techniques for managing data.

### Advantages:

1. Application programs should be as independent as possible from details of data representation and storage. The DBMS can provide an abstract view of the data to insulate application code from such details.
2. A DBMS utilizes a variety of sophisticated techniques to store and retrieve data efficiently. This feature is especially important if the data is stored on external storage devices.

### Disadvantages:

1. As the title says, this system can be applicable only for the polytechnic sector.
2. Only the Database of the students are stored & this system won't be applicable in other fields.

## Chapter 3: Problem Statement & Scope

### 3.1] Problem Statement

- Lack of Knowledge of Competition
- Fear about Leaking our Personal Information
- Communication Barriers
- Lack of Daily Tuition Updates
- Lack of Notes
- Lack of acknowledgement of courses in the institution
- Lack of acknowledgement of faculty members in the institution.

### 3.2] Scope

- Acknowledgement of Syllabus & Notes in Portable Format.
- Broadcasting Messages through Website.
- Potential awareness of Competitions around.
- Daily Update relevant to the Institute contains such as: Online Note, Notice through. Broadcasting and Images and many more.
- Upcoming Enquires relevant information of individual candidate through a website.
- Courses and Faculty members information on the website for individual acknowledgement in the institute.

## **Chapter 4: System Requirements**

### **4.1] Developer Requirement**

#### **4.1.1] Software Requirement**

- 1)Visual Basic 16.0
- 2)Microsoft Access Database
- 3)Bootstrap setup

#### **4.1.2] Hardware Requirement**

- 1)Laptop / Desktop
- 2)i3 /i5
- 3)4 – 8 GB RAM
- 4)2 GB Graphics Card

### **4.2] User Requirement**

#### **4.2.1] Hardware Requirement**

##### **#] For PC Clients**

- 1)Laptop / Desktop
- 2)i3 /i5
- 3)4 – 8 GB RAM
- 4)2 GB Graphics Card (optional)

##### **#] For Mobile User**

- 1)Smart Phone
- 3)Android Version Above 5.0



## Chapter 5: Planning & Scheduling

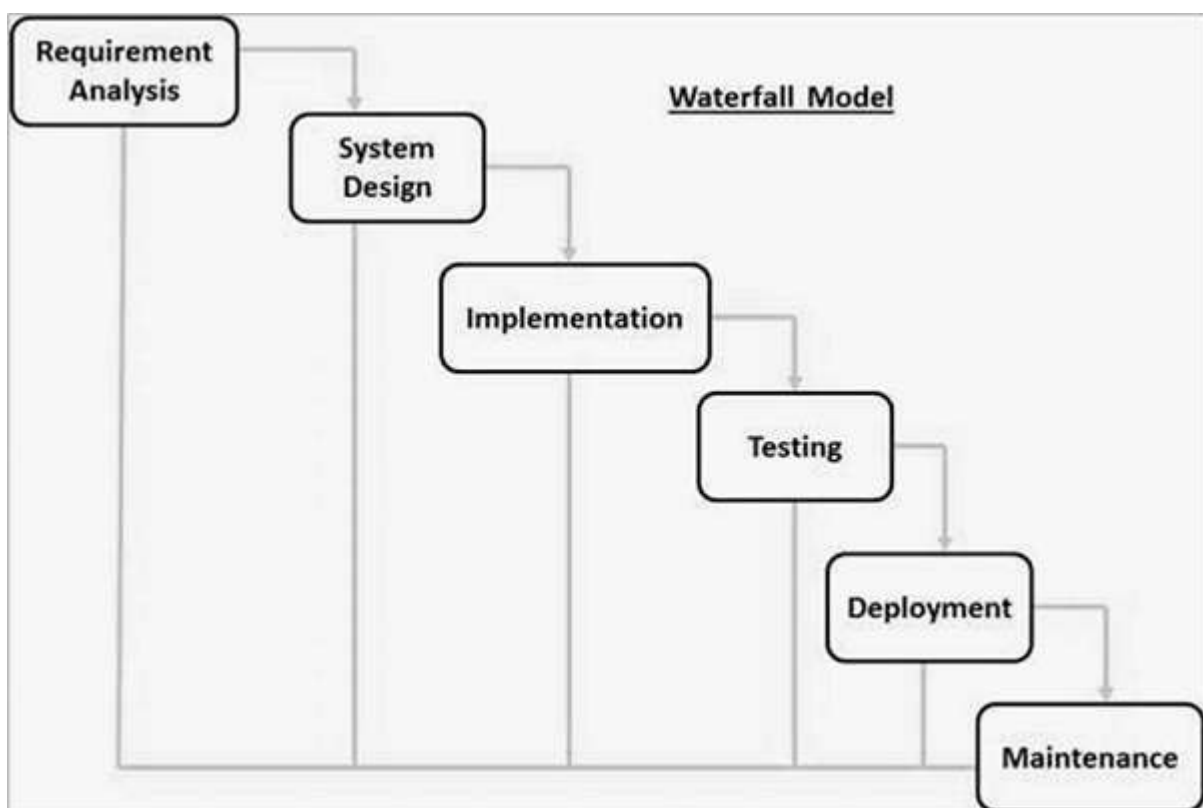
### 5.1] Planning

We are using Waterfall Model for developing this proposed system. As the development in this model is easy and suitable for such kind of project.

#### Waterfall Model - Design

Waterfall approach was first SDLC Model to be used widely in Software Engineering to ensure success of the project. In "The Waterfall" approach, the whole process of software development is divided into separate phases. In this Waterfall model, typically, the outcome of one phase acts as the input for the next phase sequentially.

The following illustration is a representation of the different phases of the Waterfall Model.



SDLC Waterfall Model

The sequential phases in Waterfall model are –

### Requirement analysis-

The main requirements of the institute were:

1. Making students aware about the daily changes schedule.
2. Making students aware of the competition around them.
3. Updating students about events in the institution.
4. The enquiry form for the new admissions.

### System Design-

The system design is prepared by requirement of customer. This system design helps in specifying hardware and system requirements and helps in defining the overall system architecture.

### Deployment-

In this phase of waterfall model once the functional and non-functional testing is done. Website is Deployed to customer environment and Taking their reviews on Project .

### Implementation-

We divide our system in small program/units, which are integrated in the next phase. Each unit is developed and tested for its functionality, which is referred to as Unit Testing.

### Testing-

All the units developed in the implementation phase are integrated into a system after testing of each unit. Post integration the entire system is tested for any faults and failures.

### Maintenance-

Are Providing some updates of Website to the costumer by them needs in future. There are some issues which come up in the client environment. To fix those issues, patches are released. Also, to enhance the product some better versions are released. Maintenance is done to deliver these changes in the customer environment.

## 5.2] Scheduling

Sr.	ACTIVITY	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR
1.	Decided three team members	√								
2.	Submitted project topics with their abstract.	√								
3.	Preparing Synopsis & Literature review.		√							
4.	Preparing Literature Review report.		√							
5.	Prepare a Presentation			√						
6.	First Internal Review			√						
7.	Prepared a draft copy project report for System.				√					
8.	Submitted a report to project guide.				√					
9.	Prepare a Presentation				√					
10.	Second Internal Review				√					
11.	Coding of Website						√			
12.	Testing of project							√		
13.	Prepper finale presentation								√	

## Chapter 6: Detail Design Process

### 6.1] Architecture

We are developing this system in VB.net framework using ASP.net architecture. Which we think will help us in creating greater experience for the user. We are also going to use the Bootstrap for coding to make the website more attractive and user friendly.

When the student will visit the website, he will come across several tabs. Each tab will provide the uses the specific feature. Providing these tabs would be easy to use that is the user interface will be improved. The features which we would provide are as follows:

- 1) Getting direct SMS(s) through the teachers without any middle man.
- 2) Getting the uploading Image(Events) which would be held in the institution
- 3) Syllabus details.
- 4) Details of faculty members.
- 6) Course details.
- 7) Institutions Rankers.
- 8) Event Recognition.
- 9) Live Google map

## Block Diagram of CuriousUs:

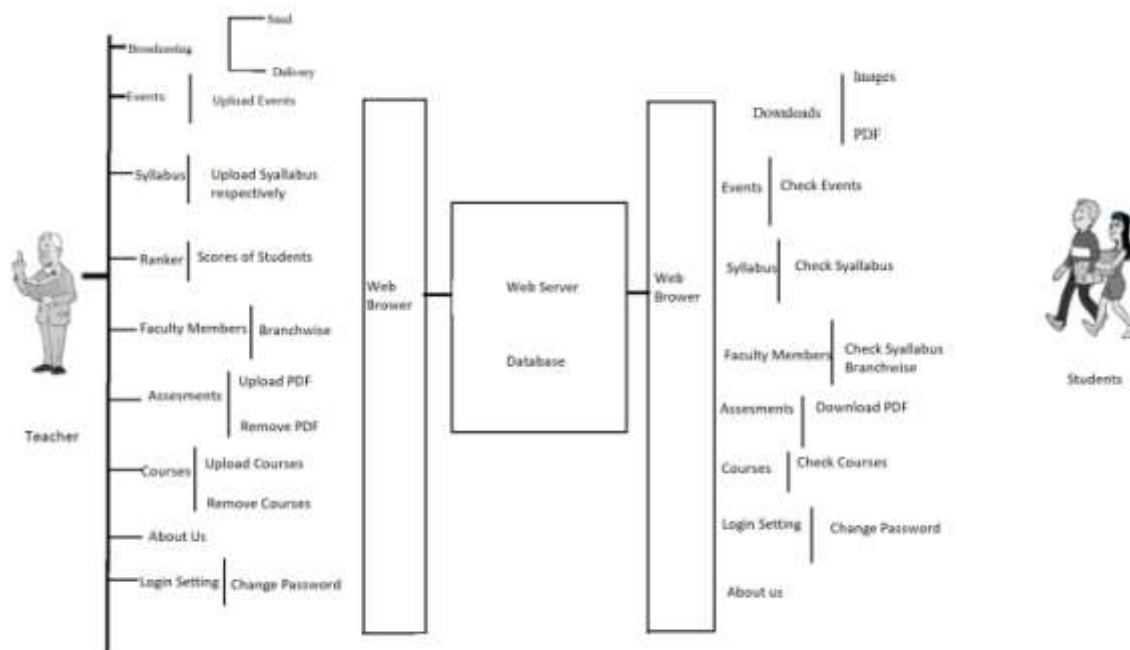


Fig. 0.1

## 6.2] Analysis Model

### 6.2.1 ]Data Flow Diagram

Level Zero:

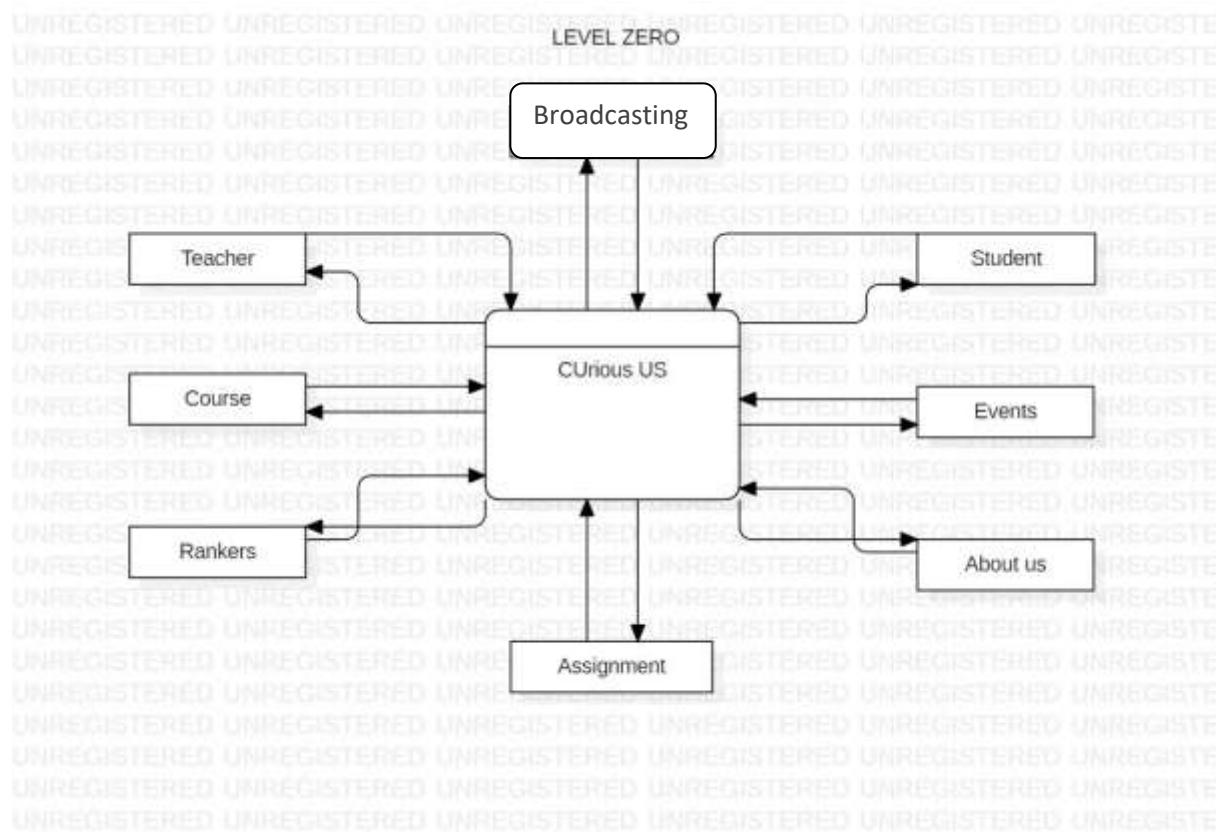


Fig. 0.2

## Level One:

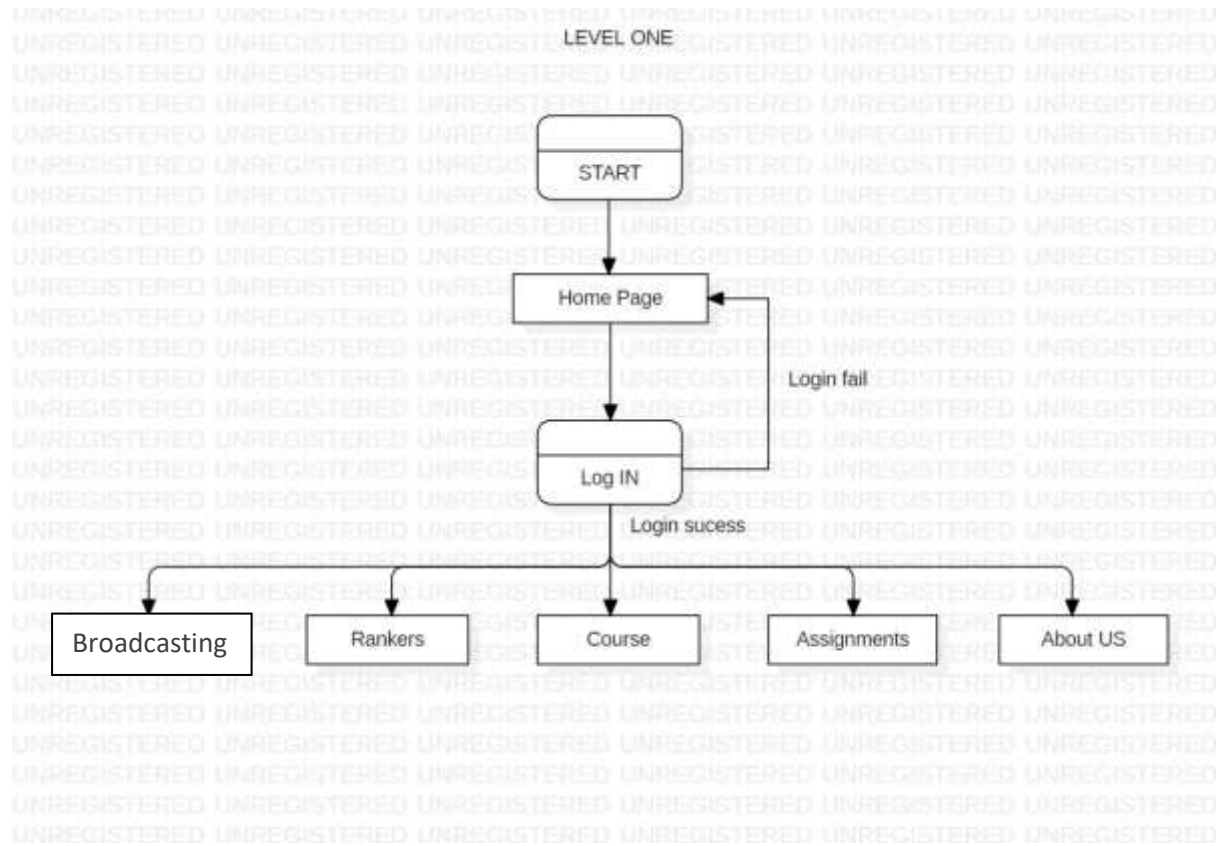


Fig.0.3

## Level Two for Teachers:

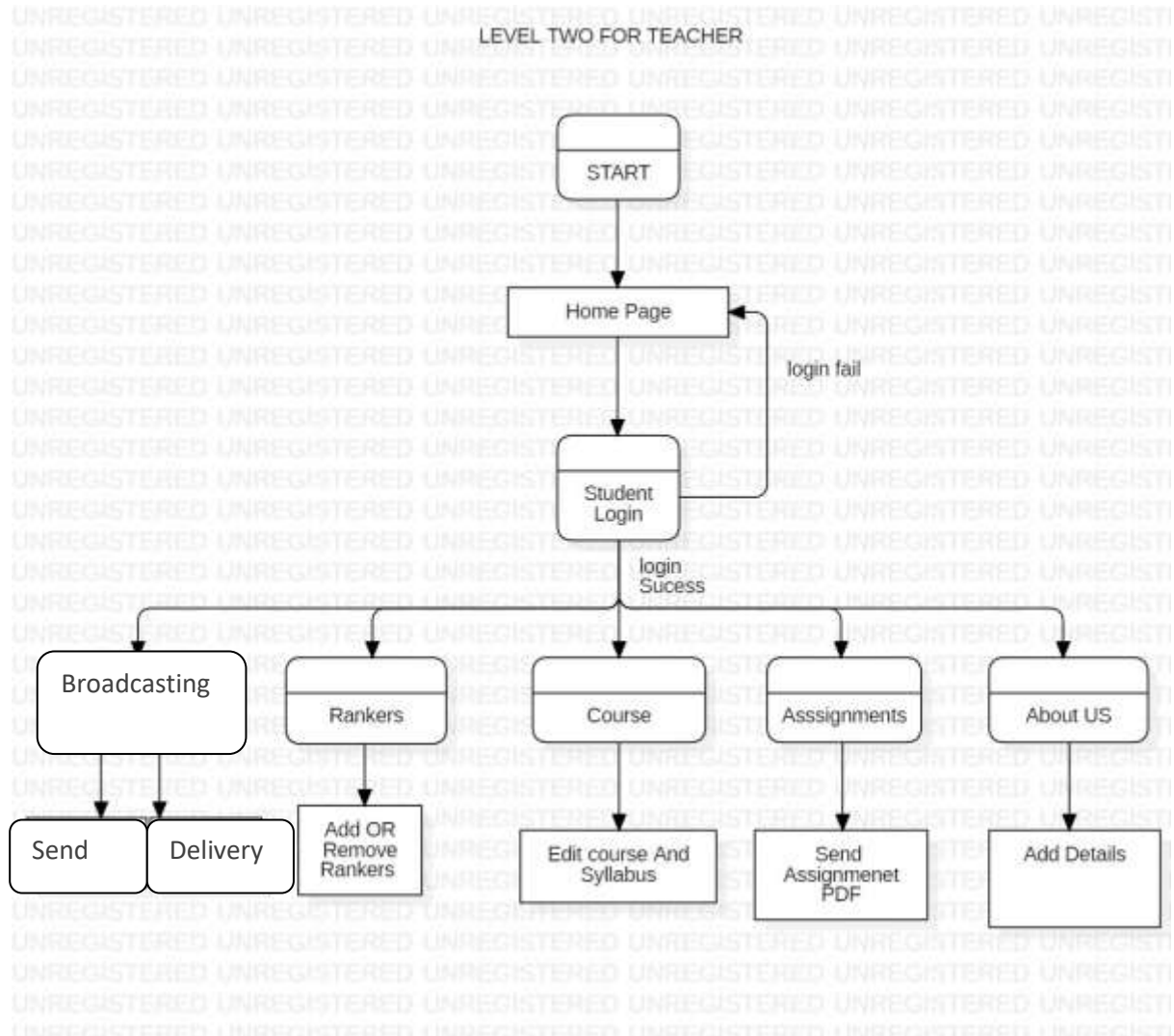


Fig. 0.4



## Level Two for Student:

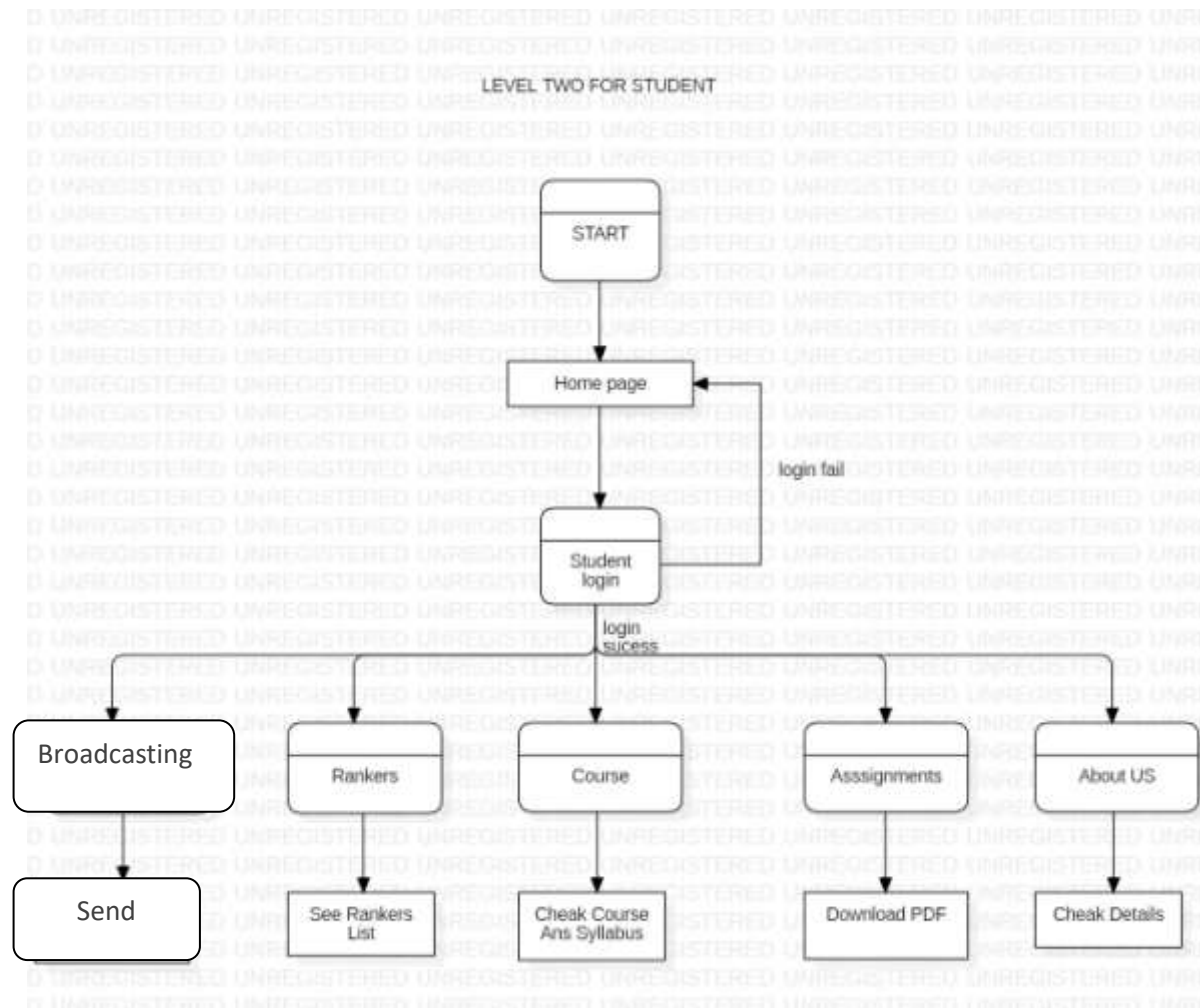


Fig. 0.5



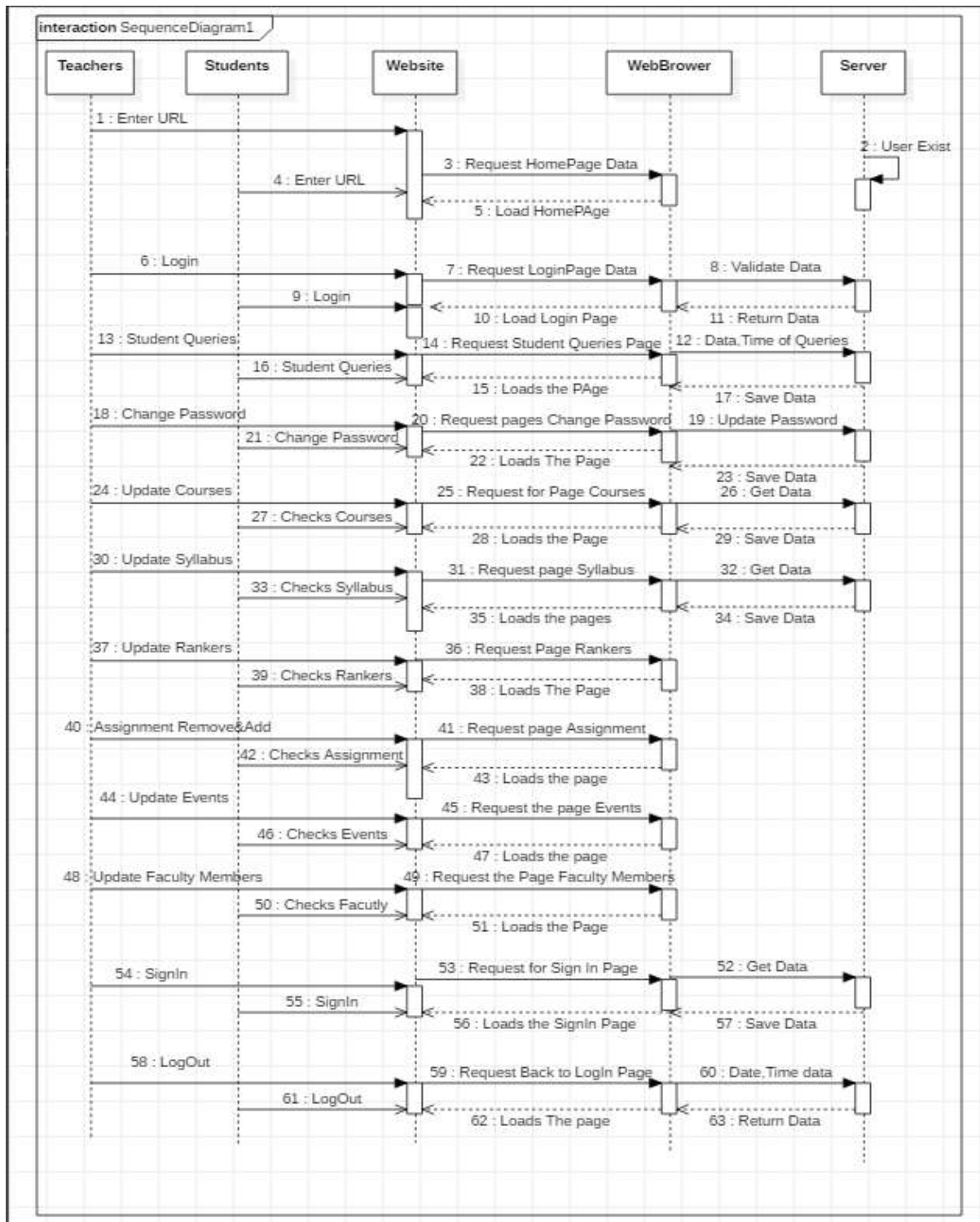


Fig. 0.7

## 6.2.4] Class Diagram

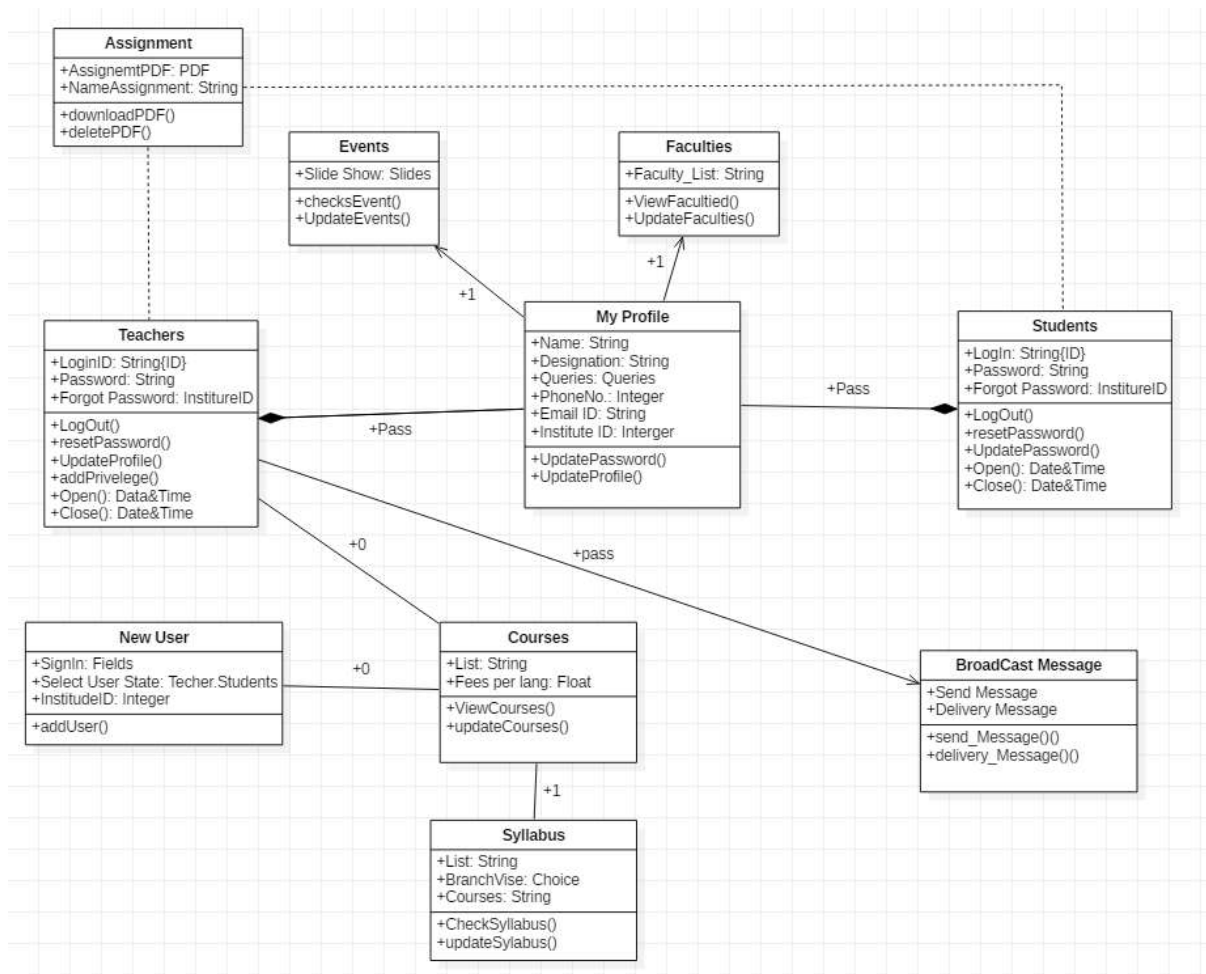


Fig. 0.8

## 6.2.5] Component Diagram

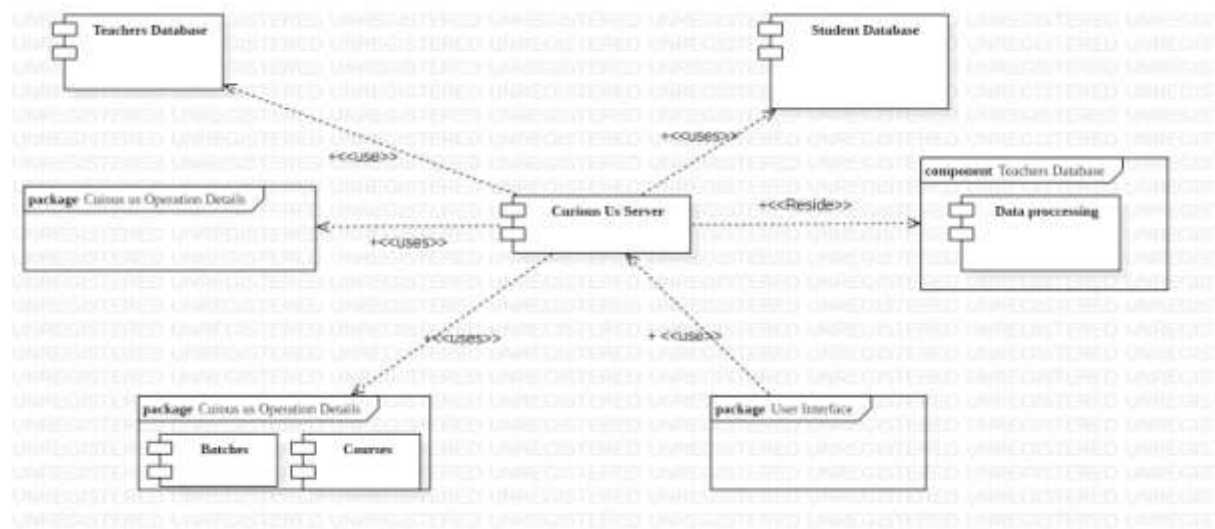


Fig. 0.9

## 6.2.6] Activity Diagram

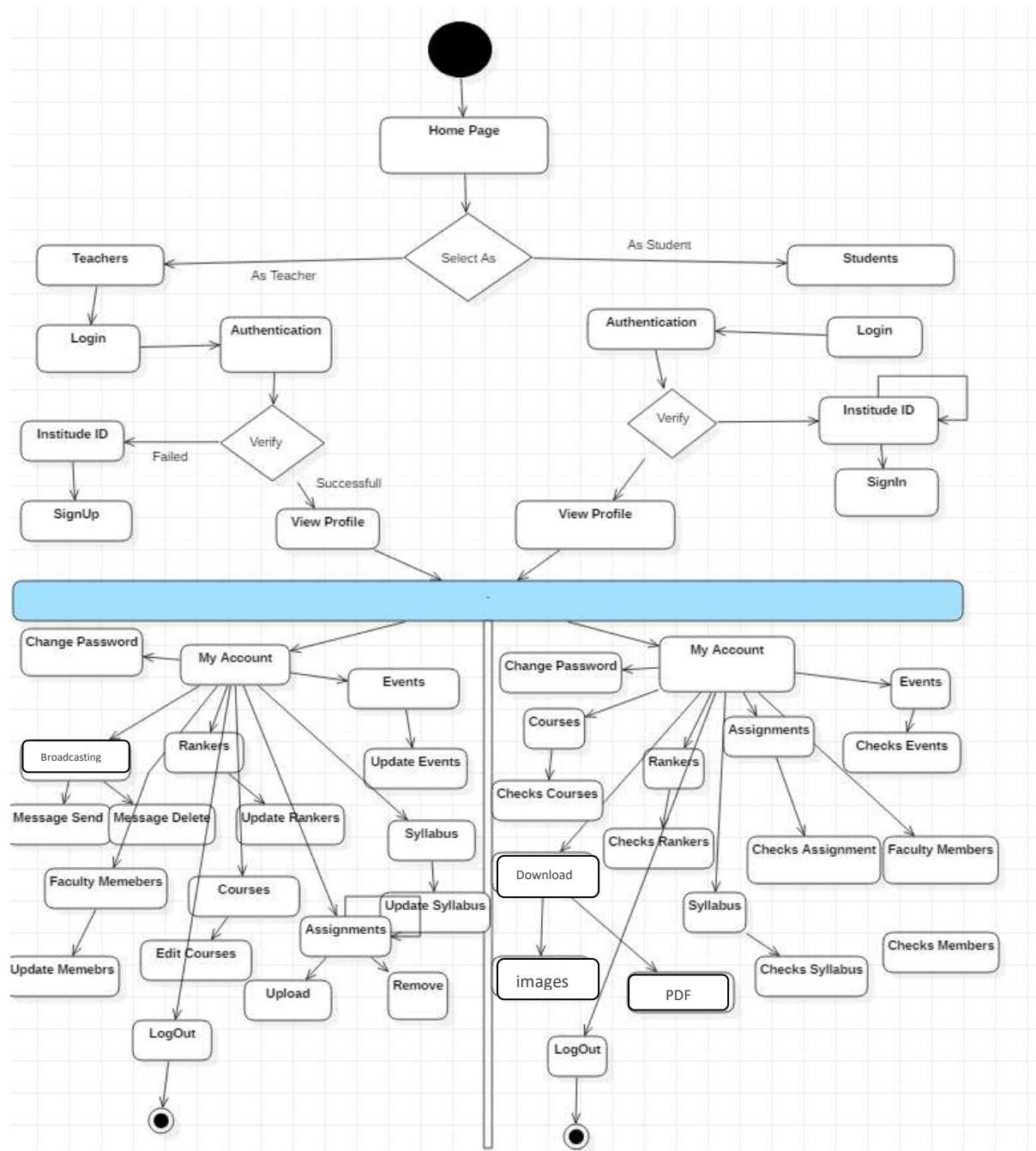


Fig. 0.10

## Chapter 7: Testing

Software testing takes place during software engineering. It is done before the release to the final audience.

Software testing is meant to see how the software works under different conditions. These conditions might be different depending on what the audience is. Testing is done to understand if it will work correctly, partially fail to work properly, or totally fail to work properly. Each test may be used to see how one, or many, parts of the software work at a point in its development.

Proper performance may be based on specific (written) requirements or standards (which might, for example, be usability). Bad performance, or poor quality, might cause an unhappy audience. This could cause more work needing to be done on the software and higher costs.

A review of the results of tests may show that some parts of the software system may need to be done again, or may work well. Some bad performances or Software bugs may need to be fixed. After more work on the software, testing may be done again.

For larger software systems, tracking may take place checking completeness of the set of tests, test results, and how quickly any problems are fixed. All this information can be used for decision making about how ready the software is, and when it could be released to the final audience.

Software testing may be done with separate parts of the software, with a group of these parts, or with the entire software. Software testing may be done by allowing the software to be used by a small number of people who the software is meant for, under controlled settings. It is then tested with a larger group of people under less controlled settings (beta testing)

<b>Curious Us (Test Cases)</b>						
<b>TCID</b>	<b>Module</b>	<b>Description</b>	<b>Steps</b>	<b>Expected Result</b>	<b>Actual Result</b>	<b>Status</b>
TC01	Login Page	Clicking on 'Submit' by properly filling all the fields	1)Press 'Submit' after filling all the fields properly	Home page opens	Home page opened	Pass
TC02	Courses Page-Student Side	Checking functionality of '1st Year' option in 1st list	1)Click on '1st Year' in 1st list	2nd list should show all subjects taught to 1st year students	2nd list showed all subjects taught to 1st year students	Pass
TC03	Syllabus Page - Student Side	Checking functionality of the 'view and download' label	1)Click on 'view and download'	Respected PFD should be downloaded & the viewed	Respected PDF downloaded & viewed	Pass
TC04	Faculty Members - Student Side	Checking functionality of '4th Year' option in 1st list	1)Click on '4th Year' in 1st list	2nd list should show all faculty members teaching to 4th year students	2nd list show all faculty members teaching to 4th year students	Pass
TC05	Rankers Page - Student Side	Contents of 'Rankers' page in menu	1)Click on 'Rankers in menu	All information of ranker should be displayed	All information of rankers displayed	Pass
TC06	Event Page - Student Side	Content of 'Event' in menu	1)Click on 'Event' in menu	Event description should appear	Event description appeared	Pass
TC07	Home Page	Checking functionality of 'Live Google Maps'	1)Click on 'Live Google Maps'	The location of the institute should be displayed	The location of the institute displayed	Pass
TC08	Syllabus Page - Teacher Side	Checking functionality of 'Upload' button by not choosing a PFDs file format	1)Click on 'Upload' button by choosing a file of format either than PDF	Label 'Upload file in PDF format only' appears	Label 'Upload file in PDF format only' appeared	Pass
TC09	Syllabus Page - Teacher Side	Checking functionality of 'Upload' button by filling all formation correctly	1)Click on 'Upload' by filling all information correctly	Label 'PDF Uploaded' appears	Label 'PDF Uploaded' appeared	Pass
TC10	Broadcasting Messages - Teacher Side	Trying to send the message without internet connection	1)Click on the 'Send' button without connection	Label 'Make sure the internet in connected' appears	Label 'Make sure the internet in connected' appeared	Pass



TC11	Broadcasting Messages - Teacher Side	Checking functionality of 'Sent' by properly typing message	1)Click on 'Sent'	Label 'Message Delivered and list of students message sent to appears	Label 'Message Delivered and list of students message sent to appeared	Pass
TC12	Rankers Page - Teacher Side	Letting all fields empty	1)Don't fill any fields	Please enter all fields carefully' pop up appears	Please enter all fields carefully' pop up appeared	Pass
TC13	Rankers Page - Teacher Side	Checking functionality of 'View Rankers' label	1)Click on the 'View Rankers' label	Rankers table appears	Rankers table appeared	Pass
TC14	View Rankers Page - Teacher Side	Checking functionality of 'Edit'	1)Click on 'Edit'	All elements enables editing	All elements enables editing	Pass
TC15	View Rankers Page - Teacher Side	Checking functionality of 'Update'	1)Click on 'Update'	Edited elements saves	Edited elements saved	Pass
TC16	Enquiry Page - Teacher Side	Validating contents of 'Enquiry' page in menu if enquiries are done	1)Click on 'Enquiry' in menu	Table of enquiries shown	Table of enquiries shown	Pass
TC17	Event Page - Teacher Side	Checking functionality of 'Upload' button by filling all formation correctly	1)Click on 'Upload' by filling all information correctly	Label 'Image Uploaded' appears	Label 'Image Uploaded' appeared	Pass
TC18	Logout	Checking functionality of 'Log Out' in menu	1)Click on 'Log Out' in menu	Main Login page should open	Main Login page opened	Pass

## **Chapter 8:Result and Application**

### **8.1 ]Result t(Screen shots)**

## 8.2] Application

- Schools
- Colleges
- Tuitions
- Universities
- Private Firms, etc.

## Chapter 9: Conclusion

### 9.1] Conclusion

By the use of this proposed system both the students as well as the teacher would be updated with the certain thing such as the schedule, event occurring in the institution, course details, syllabus details, detail information of the faculty, assignment details, timetable details, etc. The students will also be able to receive the instructions via. SMS with the particular faculty about their doubts very easily.

### 9.2] Future Scope

We also look forward to expand this system in various institutes, colleges, tuitions, schools and certain private firms which work on the same principle. We would also like to increase certain features in this system which would be beneficial to the students as well as the teacher.

In future the need of this system will gain more focus as the students would not be able to waste their valuable time in simply thinking about it.

Following are the features which we are looking forward to apply in our system: -

1. Chat Room (Live)
2. Payment Option
3. Video Conference

## -Bibliography

- [1]S.R.Bharamagoudar et al , “Web Based Student Information Management System , International Journal of Advanced Research in Computer and Communication Engineering Vol. 2, Issue 6, June 2013.
- [3]”SMART CAMPUS – An Academic Web Portal with Android Application” by ‘ Prof. Sagar Rajebhosale, Mr. Shashank Choudhari, Mr. Sachin Patil, Mr. Akshay Vyavahare, Mr. Sanket Khabiya’ published by ‘International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395 -0056 Volume: 03 Issue: 04 | Apr-2016 www.irjet.net p-ISSN: 2395-0072’
- [3]G.P. NIKISHKOV, T. TSUCHIMOTO and N.N. MIRENKOV University of Aizu, Aizu-Wakamatsu, Fukushima 965-8580, JAPAN niki@u-aizu.ac.jp <http://www.u-aizu.ac.jp/~niki>
- [4] Ankit Bansal, Ajit Rana, Akhil Bansod, Prafulla Baviskar (2015) , “Mobile Based Campus Information Retrieval Android Application” ,. IJCSMC, Vol. 4, Issue. 3, March 2015, pg.158 – 164.
- [5]Information System Based On College Campus-Shilpa Bilawane, Pranali Jambhulkar International Journal Of Engineering And Computer Science ISSN:2319-7242 Volume 4 Issue 3 March 2015, Page No. 10852-10855
- [6]”Development of Online Student Course Registration System” by ‘Rattan Singh, Ravinder Singh, Harpreet Kaur and O. P. Gupte’ published by ‘ORIENTAL JOURNAL OF COMPUTER SCIENCE & TECHNOLOGY www.computerscijournal.org ISSN: 0974-6471 August 2016, Vol. 9, No. (2): Pgs.66-72 ’
- [7]” An Android App for University Management System” by ‘Mahfuzur Rahman Jewel, Md. Rakib Uddin, Md. Momenul Islam, Md. Asadushjaman, Khandaker Takdir Ahmed, Md. Repon Hossen, Sonali Saha’ published by ‘IOSR Journal of Mobile Computing & Application (IOSR-JMCA) e-ISSN: 2394-0050, P-ISSN: 2394-0042. Volume 4, Issue I (Jan. - Feb. 2017), PP 15-20 www.iosrjournals.org’
- [8]”Cloud Based Teaching and Learning Environment for Smart Education” by Mrs S.M.Barhate And Mrs.Snehal Narale published in ‘International Journal on Recent and Innovation Trends in Computing and Communication ISSN: 2321-8169 Volume: 3 Issue: 2 038– 04’
- [9] Zhi-gang YUE, You-wei JIN. The development and design of the student management system based on the network environment, International Conference on Multimedia Communications, 978-0-7695-4136-5/10 2010 IEEE.
- [10] Jin Mei-shan 1 Qiu Chang-li 2 Li Jing 3. The Designment of student information management system based on B/S architecture, 978-1-4577-1415-3/12 2012 IEEE.
- [11] Siti Aisah Mohd Noor, Norliza Zaini, Mohd Fuad Abdul Latip, Nabilah Hamzah. Android-based Attendance Management System, IEEE Conference on Systems, Process and Control (ICSPPC 2015), 18 - 20 December 2015, Bandar Sunway, Malaysia.

- [12] JinMei-shan, QiuChang-li, LiJing. The Designment of Student Information Management System Based on B/S Architecture, IEEE Computer Society, 978-1-4799-3134-7/14/ 2014 IEEE.
- [13] Yang Shulin, Hu Jieping. Research and Implementation of Web Services in Android Network Ritika Dhiman et al., International Journal of Computing, Communications and Networking, 8(1) January - March 2019, 1 - 44 Communication Framework Volley, IEEE Computer Society, 978-1-4799-3134-7/14/ 2014 IEEE.
- [14] Rakhi Joshi, V. V. Shete, S. B. Somani. Android Based Smart Learning and Attendance Management System, International Journal of Advanced Research in Computer and Communication Engineering Vol. 4, Issue 6, June 2015.
- [15] Lalit Mohan Joshi (2015). A Research Paper on College Management System. International Journal of Computer Applications, (0975 – 8887) Volume 122 No.11, July 2015.
- [16] Ankit Bansal, Ajit Rana, Akhil Bansod, Prafulla Baviskar (2015). Mobile Based Campus Information Retrieval Android Application, IJCSMC, Vol. 4, Issue. 3, March 2015, pg.158 – 164.