



Roshan Warriar

IBM18IS085

Sughosh S Durg

IBM19IS159

Under the guidance of:

Dr. Shubha Rao V



BMSCE LEARN

A Learning Management System

Abstract

Recently the popularity of smartphones has promoted communication for daily life, but it also brings new challenges for current classroom teaching. For example, some students spend too much time playing with phones instead of learning in the classroom. How to effectively instruct students to use phones and promote teaching becomes a very tricky problem. In order to deal with this problem, we propose a new real-time interaction platform for classroom teaching based on a smartphone APP, which adopts the extensive multilayer framework and the quantifiable real-time interaction. In this platform, it's easy for teachers to post assignments, announcements, and manage courses and for the student to keep track of important announcements, assignments, and manage courses. What's more, this platform can strengthen the interaction between teachers and students, and stimulate the interest of all students to participate in classroom learning.



Introduction

In recent years, with the rapid development of network information technology, many new teaching modes and methods have emerged in education such as network courses, MOOCs, and flipped classrooms. Though these new modes can make teaching convenient for cross-regions, classroom teaching is still a very important teaching model in the current education environment. To deal with the shortcomings of the existing classroom teaching, we propose a new real-time interactive teaching method, which constructs a real-time interaction platform for classroom teaching based on a smartphone application

Some functionalities:

- **Login:** Two types of users can log into BMSCE Learn: Teachers and Students.
- **Courses:** Teachers can add/edit/delete a course. Students can only view the courses they have enrolled in.
- **Assignments:** Teachers can add/edit/delete an assignment and can view submitted works by students. Students can only view the assignments and upload their works.
- **Announcements:** Teachers can add/edit/delete announcements. Students can only view the announcements.
- **Messaging:** All the system users can send individual messages to each other.
- **Commenting:** Students can add comments on posts by Teachers.

SYSTEM REQUIREMENTS

JAVA

ANDROID STUDIO ARCTIC FOX

SQLITE

ANDROID DEVICE (5.0 and above)

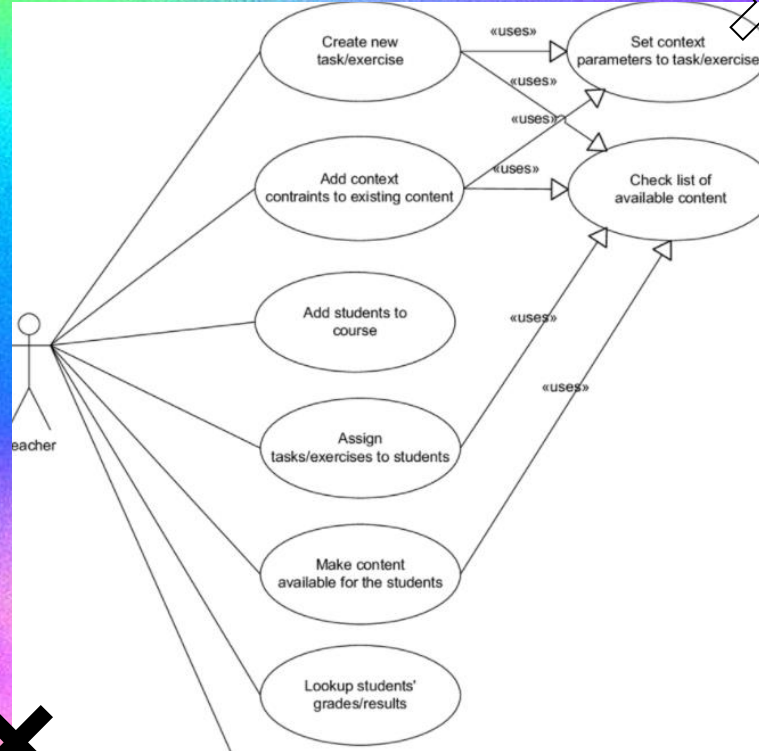


UI Design

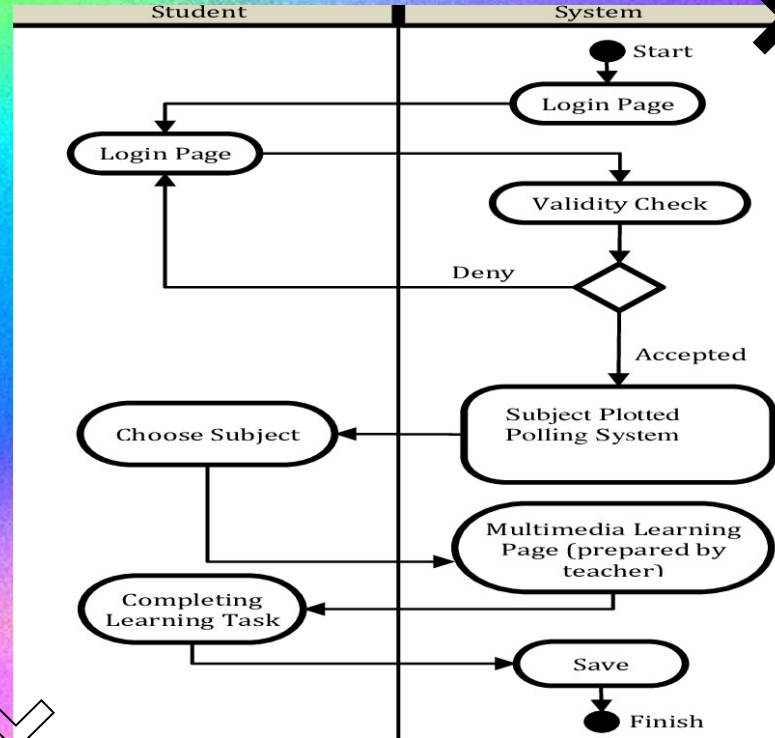
1. TextView
2. EditText
3. ImageView
4. Buttons
5. Intent
6. ArrayAdapter
7. Toast
8. List View
9. Menus
10. Layouts: Linear Layout
11. Layouts: Constraint Layout



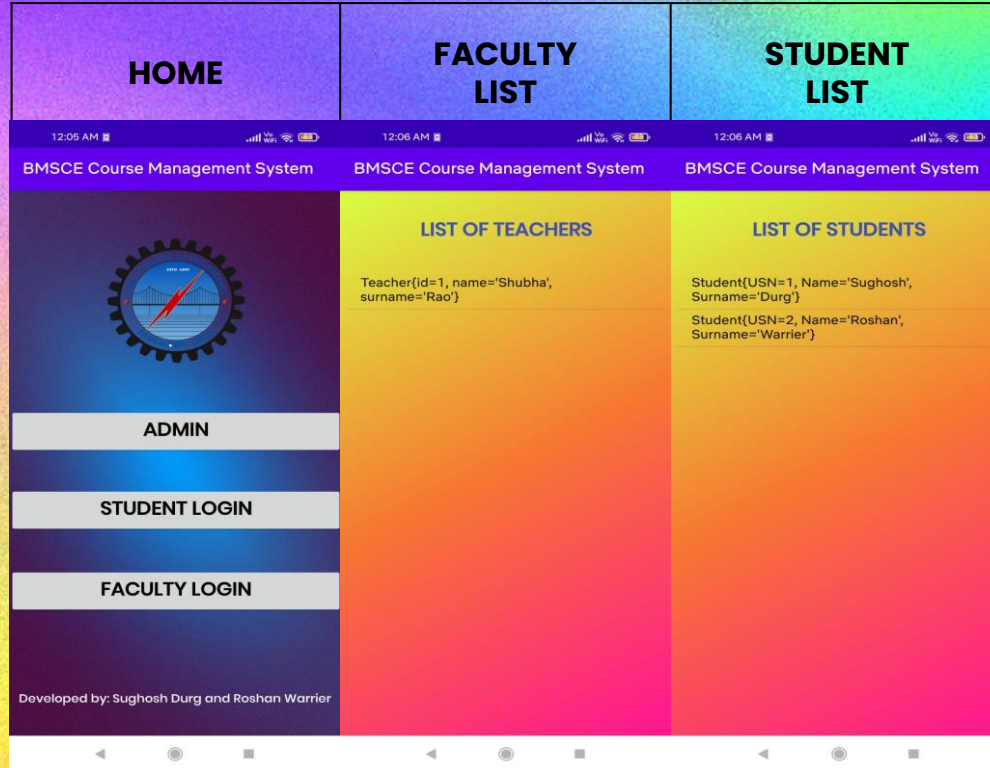
USE-CASE DIAGRAM



ACTIVITY DIAGRAM



IMPLEMENTATION



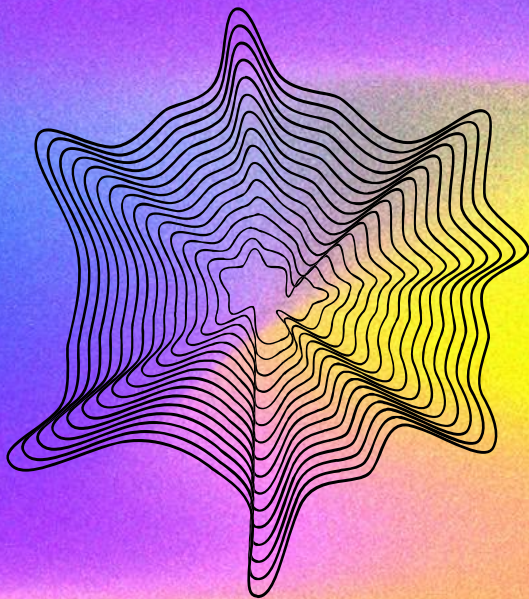
IMPLEMENTATION

Student Dashboard	Faculty Dashboard	Course Updates
<p>12:07 AM</p> <p>BMSCE Course Management System</p> <p>STUDENT MENU</p> <p>STUDENT ID: 1</p> <p>STUDENT NAME: Sughosh</p> <p>STUDENT SURNAME: Durg</p> <p>MESSAGE</p> <p>COURSES ENROLLED BY THE STUDENT</p> <p>Click on the course to enter the course page.</p> <p>Course ID: 1 Course Name: Mobile Application Development</p>	<p>12:08 AM</p> <p>BMSCE Course Management System</p> <p>FACULTY MENU</p> <p>FACULTY ID: 1</p> <p>FACULTY NAME: Shubha</p> <p>FACULTY SURNAME: Rao V</p> <p>COURSE LIST</p> <p>Click on the course to enter the course page.</p> <p>Course ID: 1 Course Name: Mobile Application Development</p> <p>SUBMITTED WORKS</p> <p>COURSE</p> <p>MESSAGE</p>	<p>12:11 AM</p> <p>BMSCE Course Management System</p> <p>COURSE ID: 1</p> <p>POST</p> <p>Click on the post to see the post comments.</p> <p>Post ID: 3 Post Name: This is a post Post Content: Dear Students, All the best for your SEE!</p> <p>ANNOUNCEMENT</p> <p>Announcement ID: 1 Announcement Name: This is an announcement Announcement Content: MAD SEE will be conducted after theory SEE</p> <p>ASSIGNMENT</p> <p>Assignment ID: 1 Assignment Name: Quiz Assignment Content: Quiz 2 Due Date: 28/01/2022</p>

IMPLEMENTATION

Sending a Message	Receiving the Message	Replying to a Comment
<div data-bbox="475 328 780 365">12:12 AM</div> <div data-bbox="475 365 780 398">BMSCE Course Management System</div> <div data-bbox="475 398 780 475">TEACHER ID: 1 TEACHER NAME: Shubha TEACHER SURNAME: Rao V INBOX</div> <div data-bbox="475 475 780 606">SEND MESSAGE</div> <div data-bbox="475 606 780 974"><div data-bbox="475 606 780 627">1</div><div data-bbox="475 627 780 660">Shubha</div><div data-bbox="475 660 780 693">Rao V</div><div data-bbox="475 693 780 726">Sughosh</div><div data-bbox="475 726 780 758">Durg</div><div data-bbox="475 758 780 791">Your message has been sent.</div><div data-bbox="475 791 780 824">This is a message!</div><div data-bbox="475 824 780 974">SEND</div></div>	<div data-bbox="780 328 1085 365">12:13 AM</div> <div data-bbox="780 365 1085 398">BMSCE Course Management System</div> <div data-bbox="780 398 1085 475">STUDENT ID: 1 STUDENT NAME: Sughosh STUDENT SURNAME: Durg INBOX</div> <div data-bbox="780 475 1085 606">Sender Name: Shubha Sender Surname: Rao V Message Content: This is a message! Sender Name: Shubha</div> <div data-bbox="780 606 1085 974"><div data-bbox="780 606 1085 627">SEND MESSAGE</div><div data-bbox="780 627 1085 649">Receiver ID</div><div data-bbox="780 649 1085 671">Sender Name</div><div data-bbox="780 671 1085 693">Sender Surname</div><div data-bbox="780 693 1085 715">Receiver Name</div><div data-bbox="780 715 1085 737">Receiver Surname</div><div data-bbox="780 737 1085 758">Message Content</div><div data-bbox="780 758 1085 974">SEND</div></div>	<div data-bbox="1085 328 1391 365">12:13 AM</div> <div data-bbox="1085 365 1391 398">BMSCE Course Management System</div> <div data-bbox="1085 398 1391 475">POST ID: 3</div> <div data-bbox="1085 475 1391 606">Name: Shubha Surname: Rao V Post Comment: This is a comment Name: Sughosh Surname: Durg Post Comment: Thank you, ma'am!</div> <div data-bbox="1085 606 1391 974">ADD COMMENT</div>

NOW FOR THE CODE DEMONSTRATION



THANK YOU

