

Maharaja Sayajirao University Of Baroda

Faculty of Science

Computer Application Department



5th Semester Project

Website for Computer Application
Department

Project Report on:

Web-Site for Computer Application Department

Undertaken at:

Computer Application Department

Submitted to:

Computer Application Department

Faculty of Science



Maharaja Sayajirao University Of Baroda

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1. Introduction

1.1 ABOUT THE UNIVERSITY



The Maharaja Sayajirao University of Baroda, formerly known as the Baroda College, was founded by Late His Highness Shrimant Maharaja Sayajirao Gaekwad of Baroda in the Year 1881. The efforts of establishing a University at Baroda were also initiated by him in 1908. Although Shrimant Sayajirao Gaekwad conceived a residential university at Baroda, it became a reality only during the rule of Late His Highness Shrimant Pratapsinhrao Gaekwad. The Maharaja Sayajirao University of Baroda came into existence on 29th April 1949.

1.2 FACULTY OF SCIENCE

With the formation of the university, The Silver Jubilee Science Institute, a part of the Baroda College, was reconstituted as the Faculty of Science. Foundation stone of the Silver Jubilee Science Institute was laid by Sir Issac Rufus, then Viceroy and Governor General of India, in the year 1926 and the construction was completed in 1933. Since 1949, the Faculty offers courses leading to B. Sc., M. Sc. and Ph. D. degrees in Botany, Chemistry, Geography, Geology, Mathematics, Physics, Statistics and Zoology. The Faculty added thereafter two more Departments: Departments of Biochemistry and Microbiology, both of which provide postgraduate courses to students. From year 2000, faculty started offering self-financed programmes at both UG and PG level. The Faculty has made significant strides in various disciplines of science that attracts students from all over India and other countries and it is a cosmopolitan center of education.

1.3 ABOUT THE BCA PROGRAMME

BCA is a three year degree programme leading to the degree of Bachelor of Computer Application. The courses aim at developing the software professionals in the wide range of application areas such as business sectors, government sectors, scientific research, medical science, social science, management, communication, etc.

The course has been designed with the help of professionals in the information technology. Here students are trained for desktop applications as well as web applications on various platforms including Microsoft, Java and Open Source Platforms. The students are also trained to use web technologies including HTML, JavaScript, XML, JSP, ASP, AJAX etc. The BCA curriculum gives detailed coverage of Software Engineering, Computer Networking, Database Technologies, Mathematical Skills, Computer Graphics, and Communication Skills and so on. Students are required to undertake part time project of 4 months in 5th semester and a full time project/internships in their final semester. During the 1st year the students learn fundamentals in computers. In the 2nd year the students are equipped with more specific skills in computer applications. The 3rd year syllabus is designed to take full advantage of the latest developments in information technology with the industry experience as a part of curriculum. Moreover, the experts in the field so as to incorporate necessary changes at the right time critically review the syllabus every year.

In addition the reputed personalities from all over the country are invited to deliver lectures from time to time. The course is well equipped with the state of art computer laboratory with computers with latest configuration, all necessary software and audio visual teaching aids. The internet facility is also provided as to have an access to the unlimited wealth of information on the net. The students not only have access to the university library but also to a well-equipped BCA library.

The BCA Programme offered by M.S. University of Baroda is one of the highly versatile and sought after processes.

1.4 DEPARTMENT PROFILE

The Computer Application Department has been at the forefront of producing industry-ready software professionals since its inception & has experienced significant growth over the past few years. It offers wide range of elective & application courses along with the core courses at the undergraduate & the post graduate level.

The department runs two basic course structures, one is Bachelors of Computer Application which is a 3 year program and other is Master of Science in Software Technology which is a 2 year program, which focuses on developing software professionals along with a well-developed library, labs and experienced faculties.

2. INTRODUCTION OF PROJECT

2.1 PROJECT PROFILE

Name:	Website for CA Department
Description:	To develop official website of Computer Application Department with attractive user interface and many other new functionalities.
Institution:	Bachelors of Computer Applications Programme Faculty of Science, The Maharaja Sayajirao University Vadodara
Project Guide:	Ms. Vaidehi Tamhane
Front End:	HTML, CSS, JavaScript
Back End:	MySQL, PHP
Duration:	4 months
Team Members:	Jay Jayswal (Roll no: 22) Nidhi G. Pandya (Roll no: 43) Anupriya Patil (Roll no: 55) Manali Sarkar (Roll no: 63) Udit Verma (Roll no: 97)

2.2 PROJECT DEFINITION

To develop official website of Computer Application Department with attractive user interface and many other new functionalities.

2.3 GOALS AND OBJECTIVES

- The official website of Computer Application Department will be developed with attractive user interface and new functionalities.
- The website will be more dynamic which will make it easy to handle.
- The alumni will be able to share blogs and their experiences.
- The teachers will have their profile which would be viewed by everyone.
- Any visitor will be able to view information about our department and they can also give feedbacks or ask queries if any.

2.4 PROJECT SCOPE JUSTIFICATION

We have developed a website through which the user will be able to view details of the Computer Application Department. Moreover the website will be handled by an administrative management application.

The administrator would be handling the C.M.S. along with having the rights to add or delete new administrators, teachers, photographer, Horizon, CASA head. The alumni can register themselves and then share blogs. Anyone visiting the site can easily have a look at the details of the department, teachers' profile, blogs, feedbacks and also the upcoming events in the department. Visitors can also give feedback and ask queries.

All the above mentioned work would be carried out with ease at button clicks with effective user interfaces along with mobile compatibility, which would add a proper look and feel to the website.

3. TOOLS AND TECHNIQUES

3.1 Tools:

- Net Beans IDE:

Net Beans is an integrated development environment (IDE) for developing primarily with Java, but also with other languages, in particular PHP, C/C++, and HTML5. It is also an application platform framework for Java desktop applications and others.

- XAMPP Server:

XAMPP is a free and open source cross-platform web server solution stack package, consisting mainly of the Apache HTTP Server, MySQL database, and interpreters for scripts written in the PHP and Perl programming languages.

- Adobe Photoshop:

Adobe Photoshop is a graphics editing program developed and published by Adobe Systems.

3.2 Technology:

- PHP:

PHP is a server-side scripting language designed for web development but also used as a general-purpose programming language.

- AJAX:

Ajax is a group of interrelated web development techniques used on the client-side to create asynchronous web applications. With Ajax, web applications can send data to, and retrieve data from, a server asynchronously (in the background) without interfering with the display and behaviour of the existing page.

- JQuery:

JQuery is a multi-browser JavaScript library designed to simplify the client-side scripting of HTML.

- MySQL:

MySQL is an open-source relational database management system (RDBMS).

- CSS:

Cascading Style Sheets (CSS) is a style sheet language used for describing the presentation semantics (the look and formatting) of a document written in a mark up language. Its most common application is to style web pages written in HTML and XHTML.

- HTML:

HTML is a mark up language used for structuring and presenting content for the World Wide Web and a core technology of the Internet.

4. SOFTWARE SPECIFICATION

4.1 SYSTEM REQUIREMENTS

- Internet Connection
- Web Browser
- Web Server
- Database Connection

4.2 SOFTWARE REQUIREMENTS

DEVELOPMENT:

Programming Language:	PHP, HTML
Operating System:	Windows 7, 8
Database Management System:	MySQL
Other Software:	Net Beans IDE

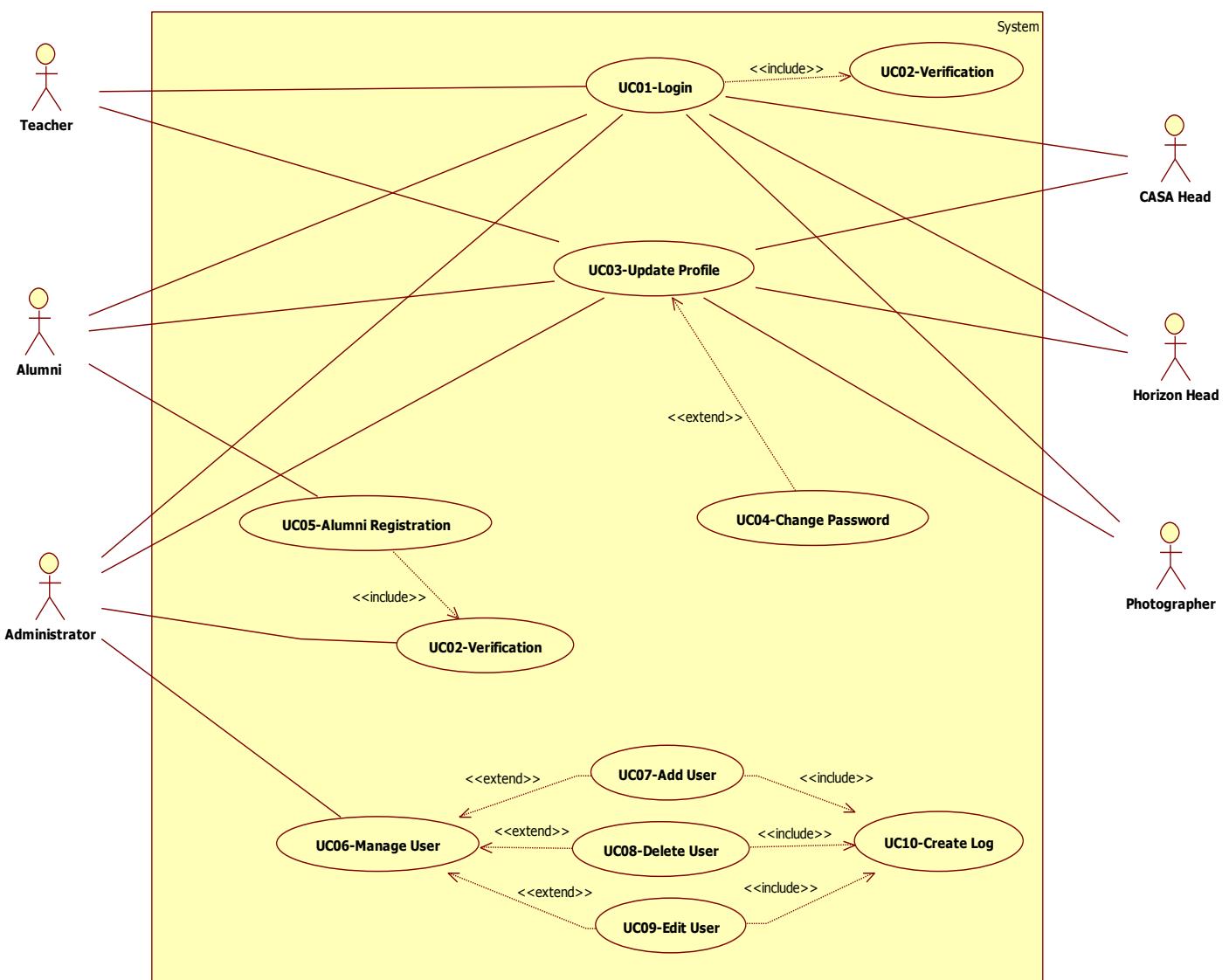
IMPLEMENTATION:

Operating System:	Any
Browser:	IE 7 and above, Mozilla Firefox, Google Chrome, Safari etc.

5. SYSTEM ANALYSIS

5.1 USE CASE DIAGRAMS AND DESCRIPTION

Use Case Diagram for Managing Users



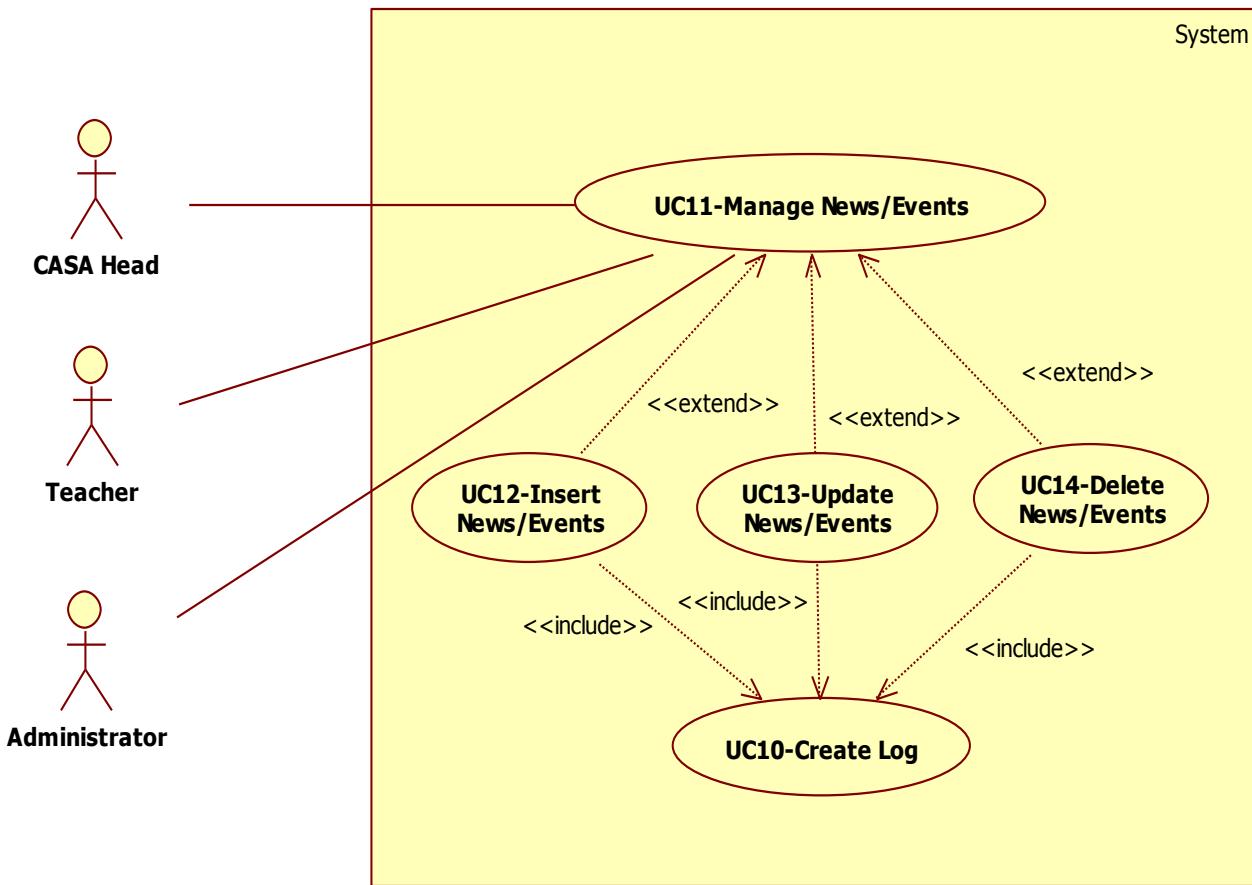
Use Case:	UC01 – Login
Participating Actors:	A01 – Administrator, A02 – Teacher, A03 – Alumni, A04 – Photographer, A05 – CASA Head, A06 – Horizon Head
Description:	This use case describes the process of logging into the system.
Pre-Condition:	User must be authorized.
Priority:	High
Flow of Events:	<ol style="list-style-type: none"> 1. User wants to login to the system. 2. User provides username and password. (A1) 3. This includes verification of the credentials. 4. Homepage will be displayed.
Alternate Course of Events:	A1 – If the User provides wrong user id and password then a warning would be displayed and user will not be allowed to login.
Post-Condition:	User should have logged in to the system with valid user id and password.

Use Case:	UC03 – Update Profile
Participating Actors:	A01 – Administrator, A02 – Teacher, A03 – Alumni, A04 – Photographer, A05 – CASA Head, A06 – Horizon Head
Description:	This use case describes the process of updating user's profile.
Pre-Condition:	User must be logged in to the system.
Priority:	Medium
Flow of Events:	<ol style="list-style-type: none"> 1. User updates his/her profile, where they can change the password.(A1)
Alternate Course of Events:	A1 – If the User provides wrong user id and password then a warning would be displayed.
Post-Condition:	User's profile will be updated.

Use Case:	UC05 – Alumni Registration
Participating Actor:	A03 – Alumni
Description:	This use case describes the process of registration of alumni.
Pre-Condition:	
Priority:	Medium
Flow of Events:	<ol style="list-style-type: none"> 1. Alumni requests for registration form. 2. He/she fills the details and submits the form. (A1)
Alternate Course of Events:	A1 - If the details are not valid then the alumni has to fill the form again.
Post-Condition:	Alumni should have logged in to the system with valid user id and password.

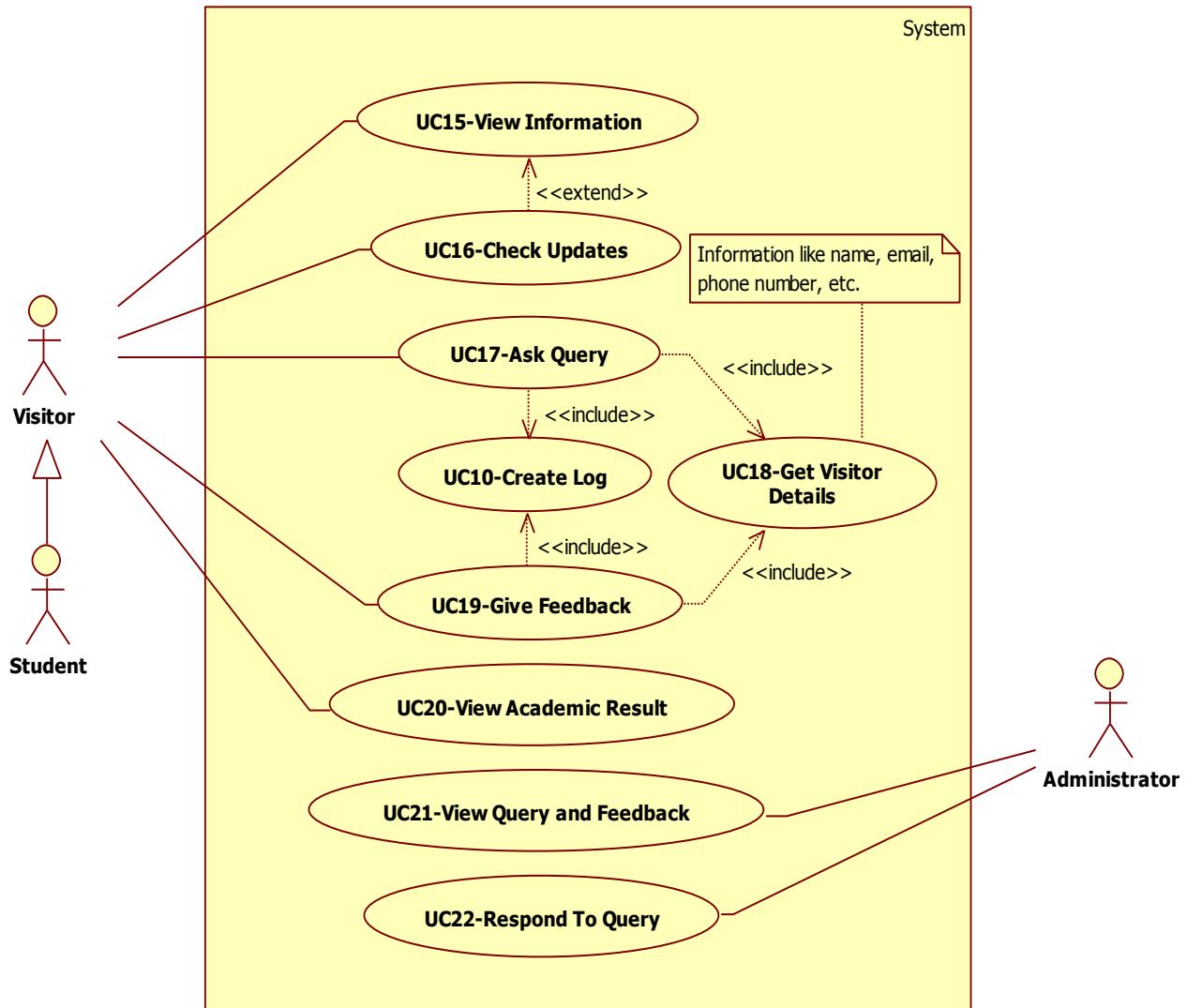
Use Case:	UC06 – Manage User
Participating Actor:	A01 – Administrator
Description:	This use case describes the process of managing the users.
Pre-Condition:	Administrator must be logged in to the system.
Priority:	High
Flow of Events:	<ul style="list-style-type: none"> 1. Administrator will manage the users by adding, updating or deleting them.(A1) 2. This includes creation of log.
Alternate Course of Events:	A1 – If the administrator is not logged in to the system he/she will not be allowed to manage user.
Post-Condition:	Users are managed and log is created after completion of insert, update or delete process.

Use Case Diagram for Managing News and Events



Use Case:	UC11 – Manage News and Events
Participating Actors:	A01 – Administrator, A02 – Teacher, A05 – CASA Head
Description:	This use case describes the process of managing the news and events of the department.
Pre-Condition:	User must be logged in to the system.
Priority:	High
Flow of Events:	<ol style="list-style-type: none"> 1. User requests for news and events form. 2. He/she fills the details and submits the form. (A1) 3. This includes creation of log.
Alternate Course of Events:	A1 – If the event date does not match the given criteria then the request will not be approved.
Post-Condition:	Log is created after completion of insert, update or delete process and the news and events are reflected on the website.

Use Case Diagram for Asking Query and Giving Feedback



Use Case:	UC15 – View Information
Participating Actor:	A07 – Visitor
Description:	This use case describes the process of viewing information on the website.
Pre-Condition:	
Priority:	Medium
Flow of Events:	<ol style="list-style-type: none"> 1. Visitor views the information on the website. 2. He/she may check for the updates.
Alternate Course of Events:	
Post-Condition:	The visitor is aware of the department and its details.

Use Case:	UC17 – Ask Query
Participating Actor:	A07 – Visitor
Description:	This use case describes the process of asking queries.
Pre-Condition:	Visitor needs to provide his/her details.
Priority:	Low
Flow of Events:	<ol style="list-style-type: none"> 1. Visitor requests for query form. 2. He/she fills the details and submits the form. (A1) 3. This includes creation of log.
Alternate Course of Events:	A1 – If the details are not filled correctly then the request will not be approved.
Post-Condition:	Query is saved and log is created after completion of the process.

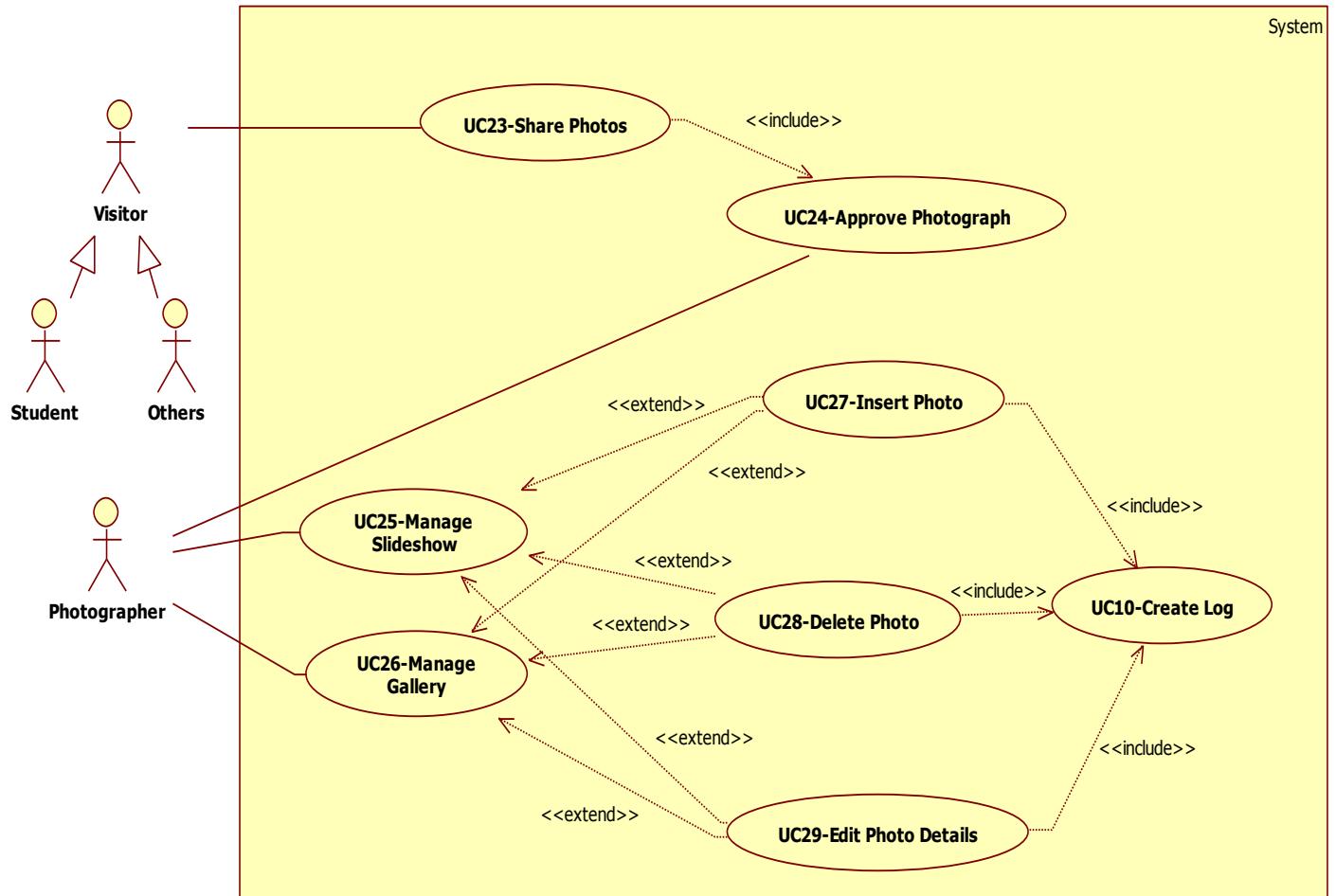
Use Case:	UC19 – Give Feedback
Participating Actor:	A07 – Visitor
Description:	This use case describes the process of giving feedbacks.
Pre-Condition:	Visitor needs to provide his/her details.
Priority:	Low
Flow of Events:	<ol style="list-style-type: none"> 1. Visitor requests for feedback form. 2. He/she fills the details and submits the form. (A1) 3. This includes creation of log.
Alternate Course of Events:	A1 – If the details are not filled correctly then the request will not be approved.
Post-Condition:	Feedback is saved and log is created after completion of the process.

Use Case:	UC20 – View Academic Result
Participating Actor:	A07 – Visitor
Description:	This use case describes the process of viewing the academic result.
Pre-Condition:	Visitor needs to provide the ID No. of the student.
Priority:	Low
Flow of Events:	<ol style="list-style-type: none"> 1. Visitor provides the ID No.(A1)
Alternate Course of Events:	A1 - If ID no is incorrect then error will be displayed.
Post-Condition:	Result of the student is viewed.

Use Case:	UC21 – View Query and Feedback
Participating Actor:	A01 – Administrator
Description:	This use case describes the process of viewing queries and feedbacks.
Pre-Condition:	Administrator must be logged in to the system.
Priority:	Medium
Flow of Events:	1. Administrator views the queries and feedbacks.
Alternate Course of Events:	
Post-Condition:	Queries and feedbacks are viewed.

Use Case:	UC22 – Respond To Query
Participating Actor:	A01 – Administrator
Description:	This use case describes the process of responding to the queries.
Pre-Condition:	Administrator must be logged in to the system.
Priority:	Medium
Flow of Events:	1. Administrator views the queries. 2. He/she responds to the queries.
Alternate Course of Events:	
Post-Condition:	Visitors are provided with response to their queries.

Use Case Diagram for Managing Photographs

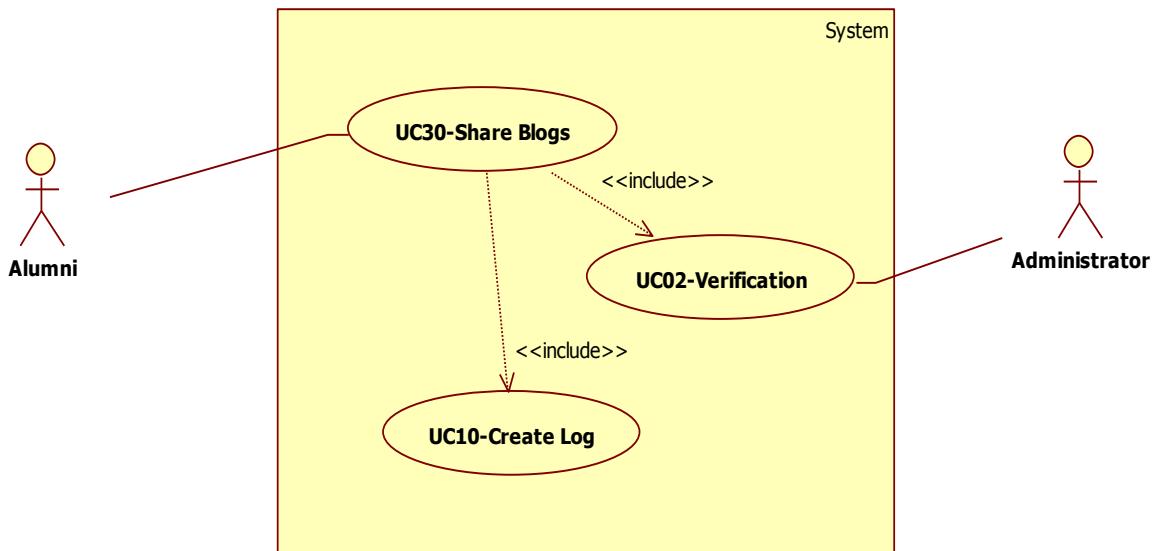


Use Case:	UC23 – Share Photos
Participating Actors:	A04 – Photographer, A07 – Visitor
Description:	This use case describes the process of sharing photographs.
Pre-Condition:	Visitor needs to provide his/her details
Priority:	Low
Flow of Events:	<ol style="list-style-type: none"> 1. Visitor requests for share photograph form. 2. He/she fill details, upload the photographs and submit the form. 3. This includes approval of photographs, where, the photographer verifies and approves them. (A1)
Alternate Course of Events:	A1 – If the photographs are not appropriate for the website then the photographer rejects them.
Post-Condition:	The photographs are uploaded to the gallery.

Use Case:	UC25 – Manage Slideshow
Participating Actor:	A04 – Photographer
Description:	This use case describes the process of managing slideshow of the photographs.
Pre-Condition:	Photographer must be logged in to the system.
Priority:	High
Flow of Events:	<ol style="list-style-type: none"> 1. Photographer views the photographs for slideshow in the website. 2. He/she manages slideshow by inserting, updating and deleting photographs. 3. This includes creation of log.
Alternate Course of Events:	
Post-Condition:	The photographs for the slideshow are managed.

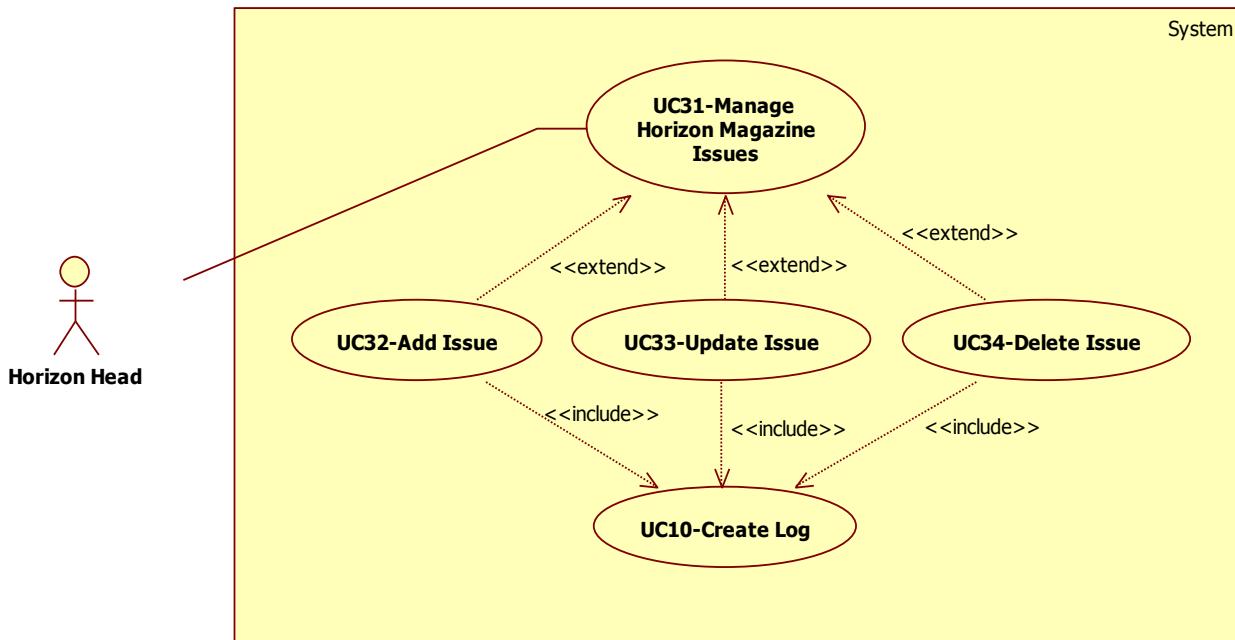
Use Case:	UC26 – Manage Gallery
Participating Actor:	A04 – Photographer
Description:	This use case describes the process of managing gallery of photographs.
Pre-Condition:	Photographer must be logged in to the system.
Priority:	High
Flow of Events:	<ol style="list-style-type: none"> 1. Photographer manages gallery by inserting, updating and deleting photographs. 2. This includes creation of log.
Alternate Course of Events:	
Post-Condition:	The photographs for the gallery are managed.

Use Case Diagram for Sharing Blogs



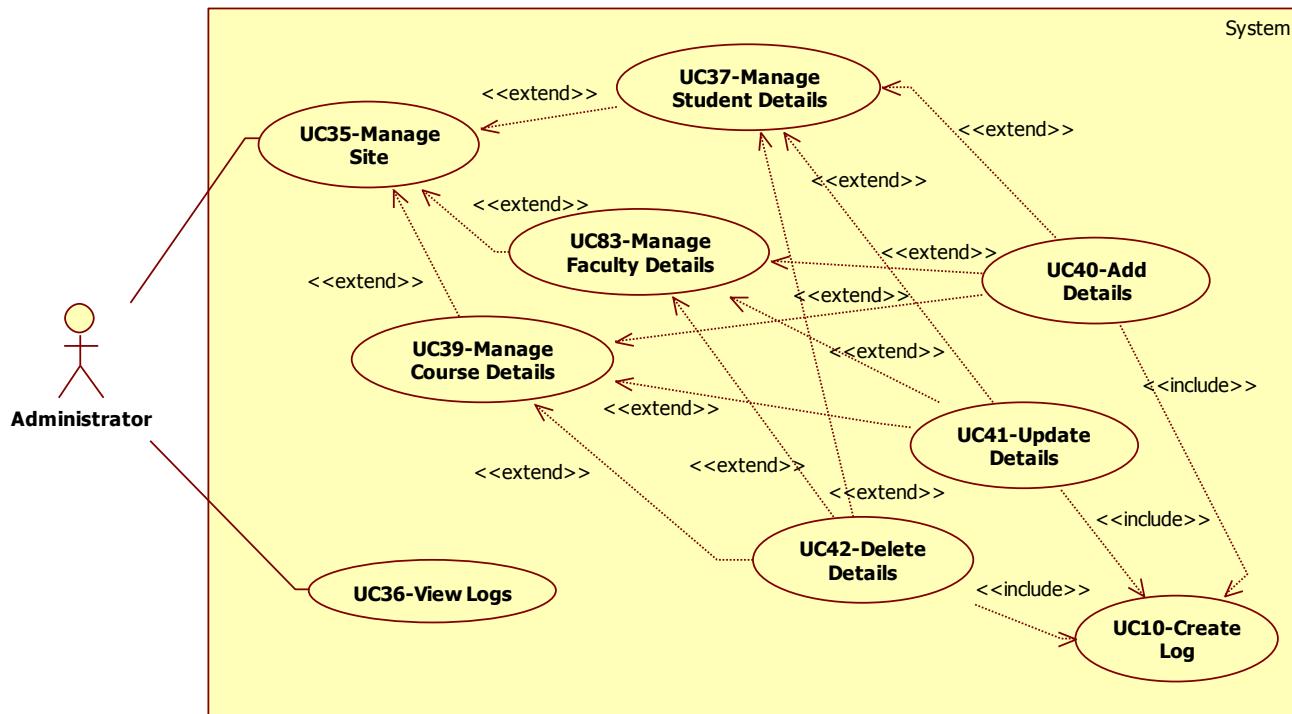
Use Case:	UC30 – Share Blogs
Participating Actors:	A01 – Administrator, A03 – Alumni
Description:	This use case describes the process of sharing blogs.
Pre-Condition:	Alumni must be registered and logged in to the system.
Priority:	Medium
Flow of Events:	<ol style="list-style-type: none"> 1. Alumni contribute his/her experiences by sharing blogs. 2. This includes verification, where the administrator verifies the details given by the alumni. (A1) 3. This includes creation of log.
Alternate Course of Events:	A1 – If the details of alumni are not correct, then he/she has to fill the details again.
Post-Condition:	The blogs are shared on the website.

Use Case Diagram for Managing Horizon Issues



Use Case:	UC31 – Manage Horizon Issues
Participating Actor:	A06 – Horizon Head
Description:	This use case describes the process of managing the issues of the horizon magazine.
Pre-Condition:	Horizon Head must be logged in to the system.
Priority:	Medium
Flow of Events:	<ol style="list-style-type: none"> 1. The Horizon Head manages the horizon issues by adding, updating or deleting them. 2. This includes creation of log.
Alternate Course of Events:	
Post-Condition:	Log is created after completion of insert, update or delete process and the horizon issues are reflected on the website.

Use Case Diagram for Managing CMS and Website

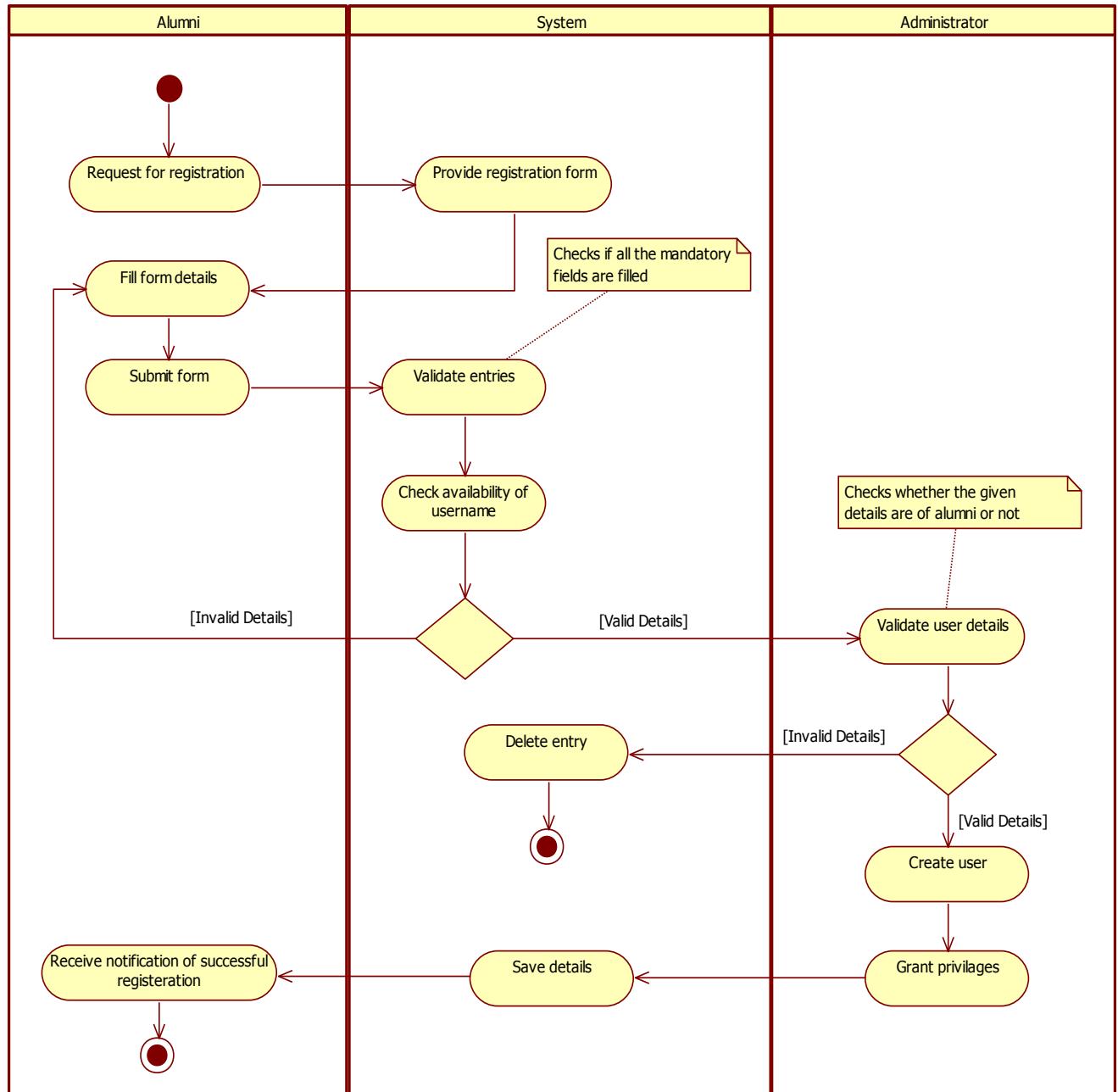


Use Case:	UC35 – Manage CMS and Site
Participating Actor:	A01 – Administrator
Description:	This use case describes the process of managing CMS and website.
Pre-Condition:	Administrator must be logged in to the system.
Priority:	High
Flow of Events:	<ol style="list-style-type: none"> Administrator manages the CMS and site details, where he/she manages Student Details, Faculty Details and Course Details by adding, updating and deleting them This includes creation of log.
Alternate Course of Events:	

Post-Condition:	The website and CMS is managed.
Use Case:	UC36 – View Logs
Participating Actor:	A01 – Administrator
Description:	This use case describes the process of viewing logs.
Pre-Condition:	Administrator must be logged in to the system.
Priority:	Medium
Flow of Events:	<ol style="list-style-type: none"> 1. The administrator views the logs. 2. Logs are available only in readable format.
Alternate Course of Events:	
Post-Condition:	All the log details are viewed.

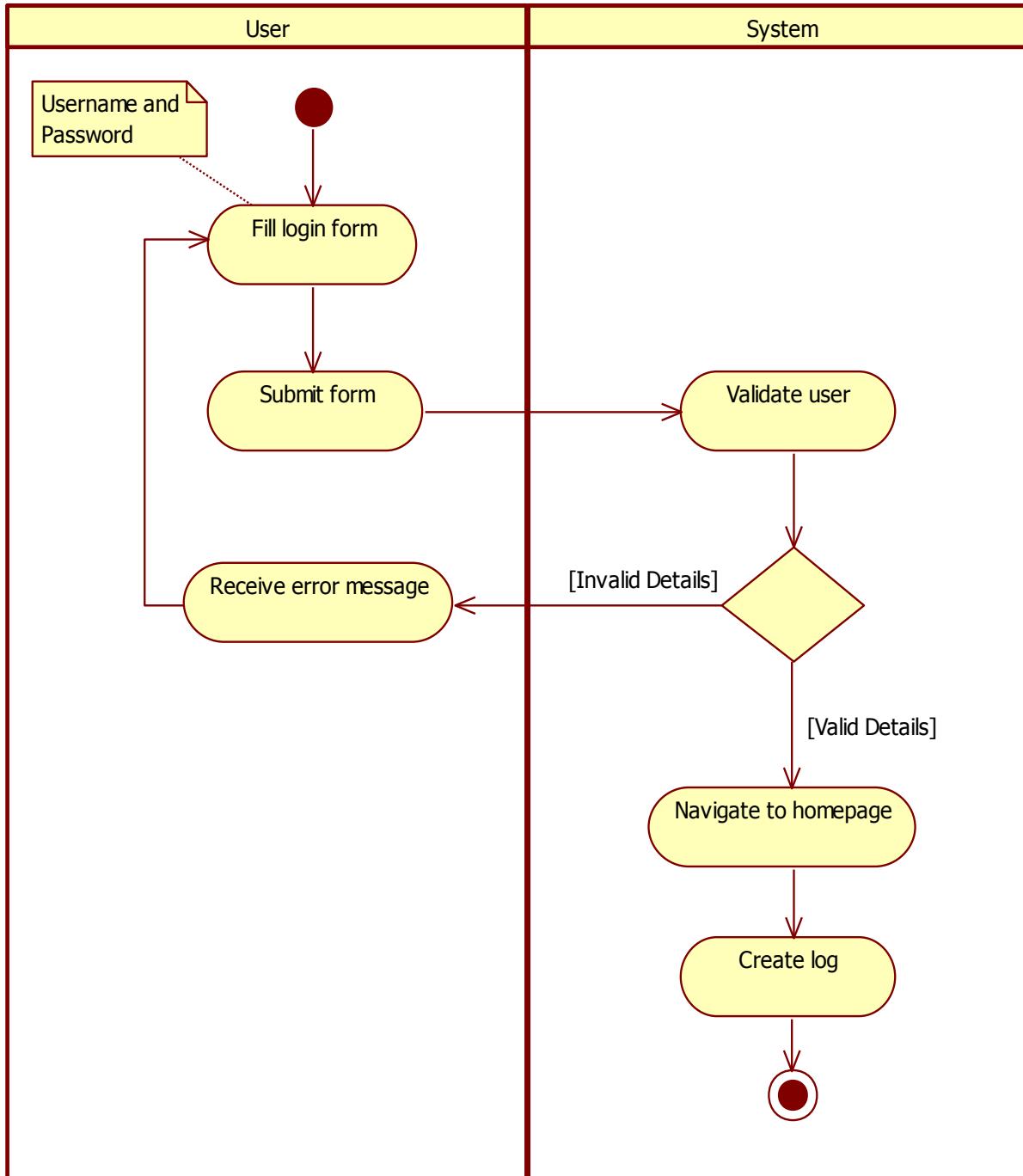
5.2 ACTIVITY DIAGRAMS AND DESCRIPTION

Activity Diagram for Alumni Registration



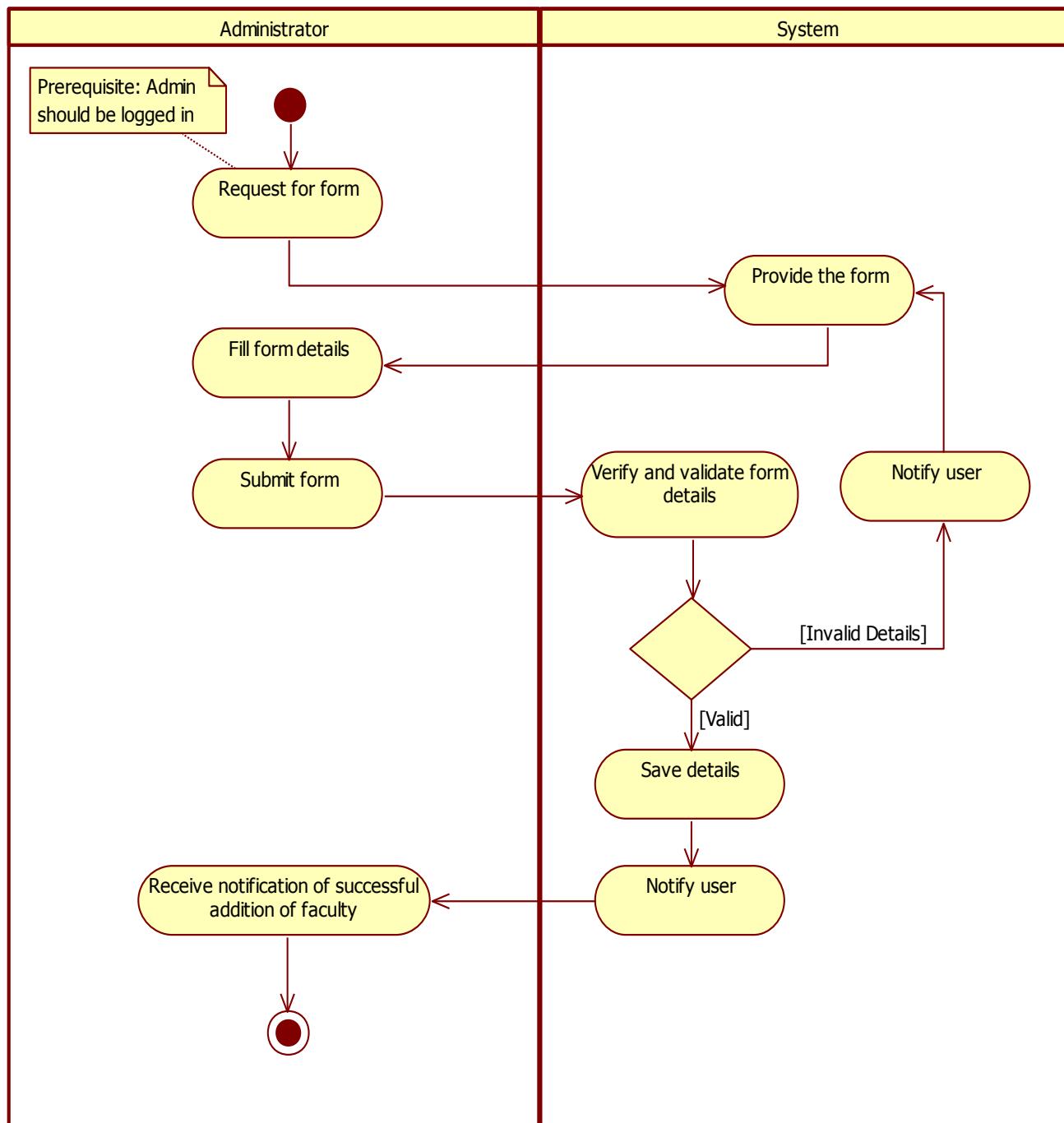
Activity Description:	This activity describes the process of registering alumni.
Participating Actors:	Administrator, Alumni
Pre-Condition:	Horizon Head must be logged in to the system.
Flow of Events:	<ol style="list-style-type: none"> 1. Alumni request for the registration form, fill the required details and submit it. 2. After submitting the form, the system validates the form entries and checks the availability of the username. (A1) 3. Details are then sent to the administrator, where he checks whether the details are correct or not. (A2) 4. Administrator then creates the user and grants privileges to him/her. 5. The system saves the details and notification is sent to the alumni regarding the successful registration.
Alternate Course of Events:	<p>A1 – If the details are invalid then alumni is ask to refill the form details.</p> <p>A2 – If the alumni details are not valid then the entry is deleted.</p>
Post-Condition:	Log is created after completion of insert, update or delete process and the horizon issues are reflected on the website.

Activity Diagram for Login



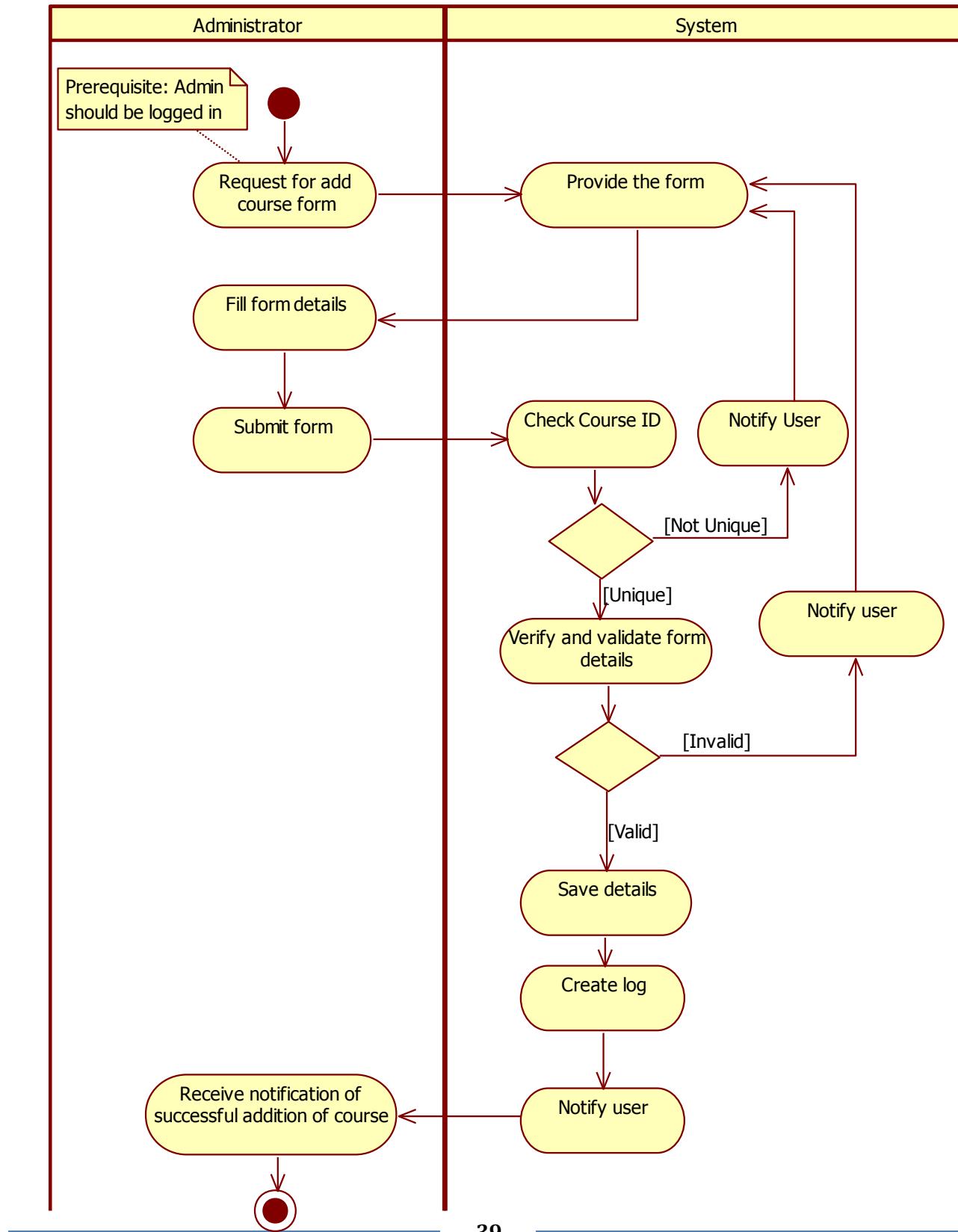
Activity Description:	This activity describes the process of logging into the system.
Participating Actor:	User
Pre-Condition:	User must be authorized.
Flow of Events:	<ol style="list-style-type: none"> 1. User fills the details for login form, i.e., the username and password of user. 2. He/she submits the form, which is validated by the system. (A1) 3. The user is then navigated to the homepage, which includes creation of log.
Alternate Course of Events:	A1 – If the form details are invalid then the user is notified with an error message asking him/her to refill the valid details.
Post-Condition:	

Activity Diagram for Adding Faculty



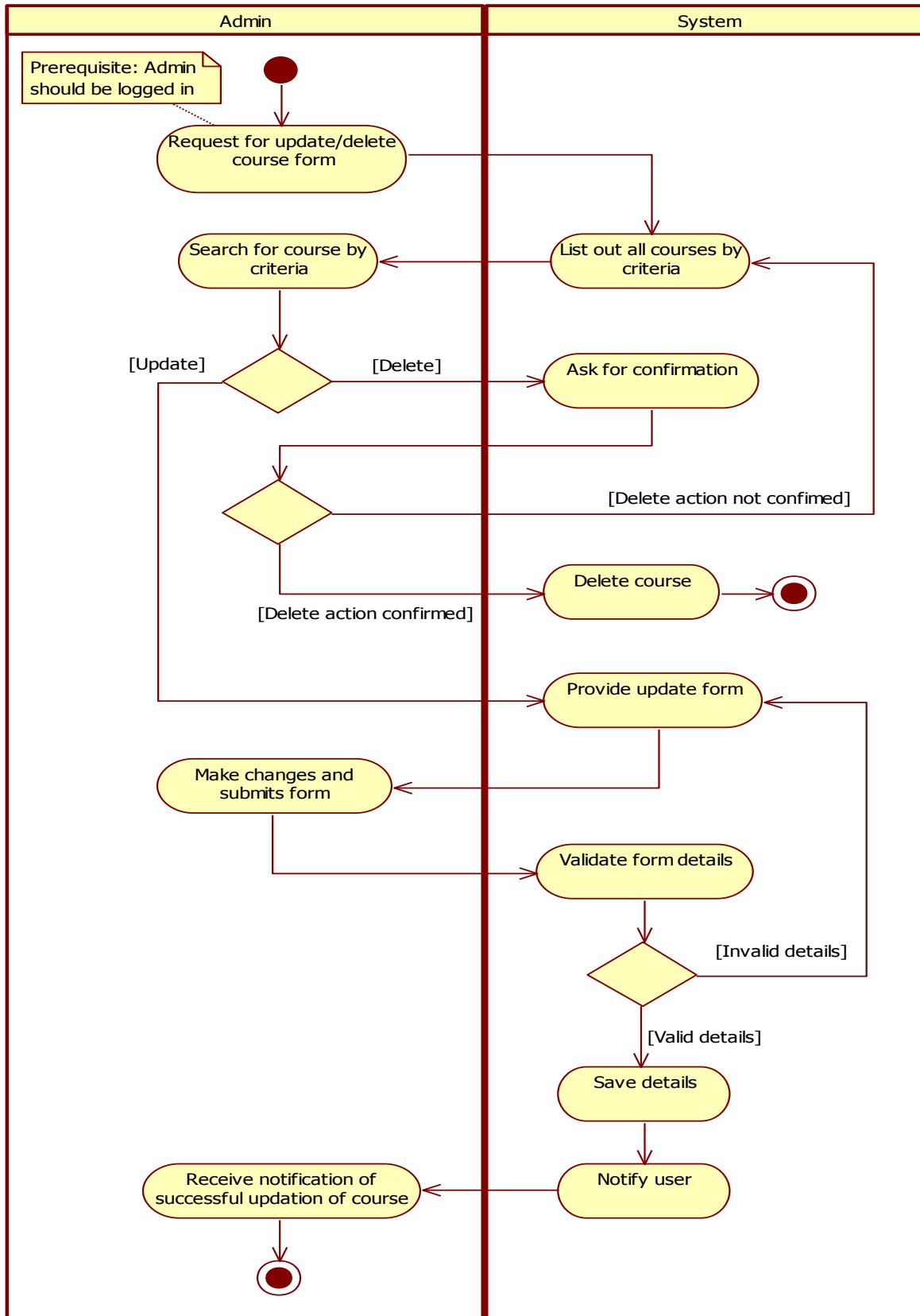
Activity Description:	This activity describes the process of adding faculty.
Participating Actor:	Administrator
Pre-Condition:	Administrator must be logged in to the system.
Flow of Events:	<ol style="list-style-type: none"> 1. Administrator request for the form, which is provided by the system, fills the required details of the faculty and submits it. 2. The form is validated and verified by the system and then the details are saved. (A1) 3. Notification is sent to the administrator regarding the successful addition of the faculty.
Alternate Course of Events:	A1 – If the form details are invalid then the administrator is notified with an error message asking him/her to refill the valid details.
Post-Condition:	

Activity Diagram for Adding Course



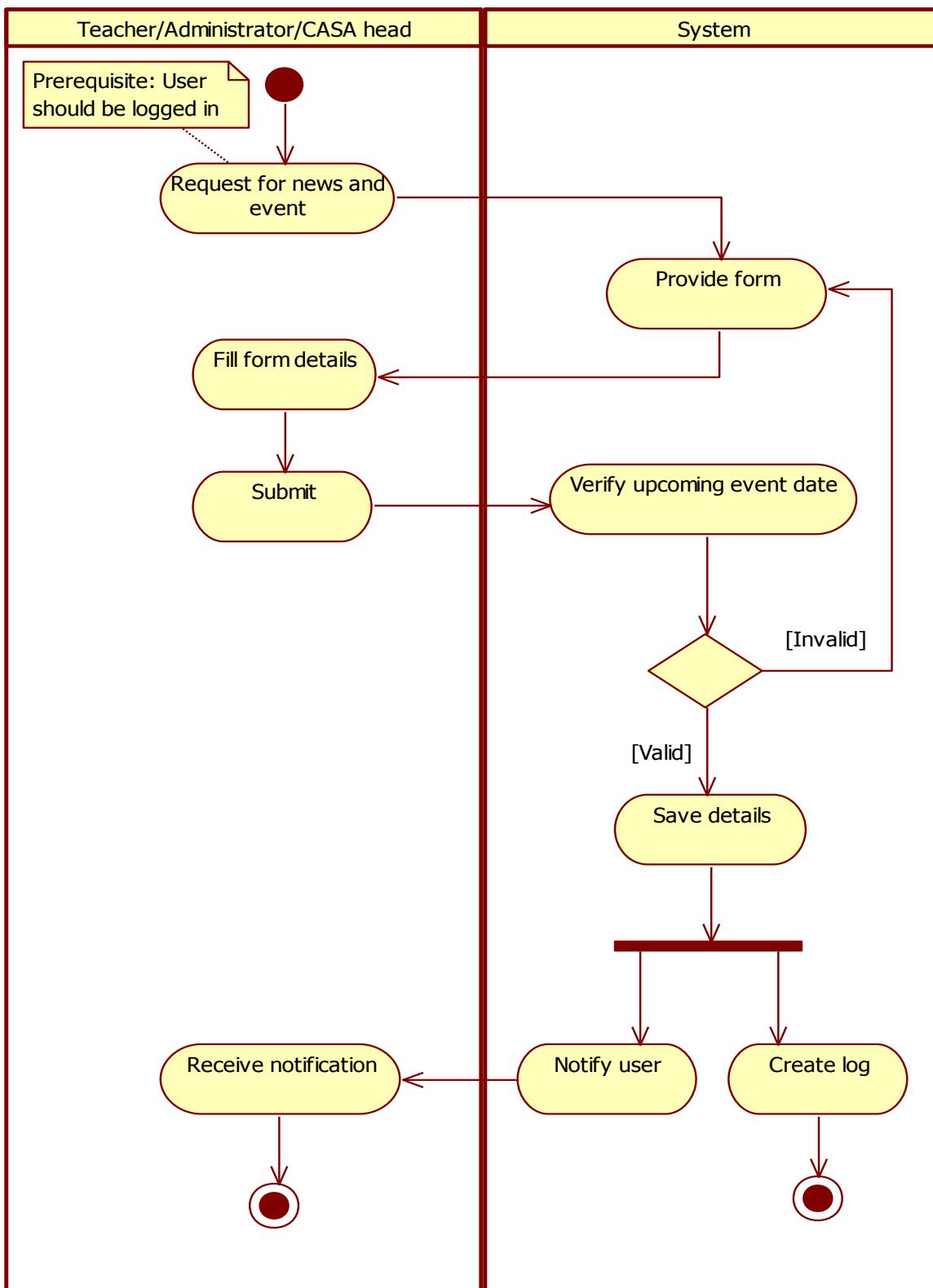
Activity Description:	This activity describes the process of adding course.
Participating Actor:	Administrator
Pre-Condition:	Administrator must be logged into the system.
Flow of Events:	<ol style="list-style-type: none"> 1. Admin request for the add course form, which is provided by the system, fills the required details of the course and submits the form. 2. The system checks whether the course id is unique or not (A1) and then verifies and validates the form details. 3. The system saves the details, which includes creation of log and administrator receives notification regarding the successful addition of course.
Alternate Course of Events:	<p>A1 – If the course id is not unique then administrator is notified about it and asked to provide a unique course id.</p> <p>A2 – If the form details are invalid then the administrator is notified with an error message asking him/her to refill the valid details.</p>
Post-Condition:	

Activity Diagram for Updating/Deleting Course



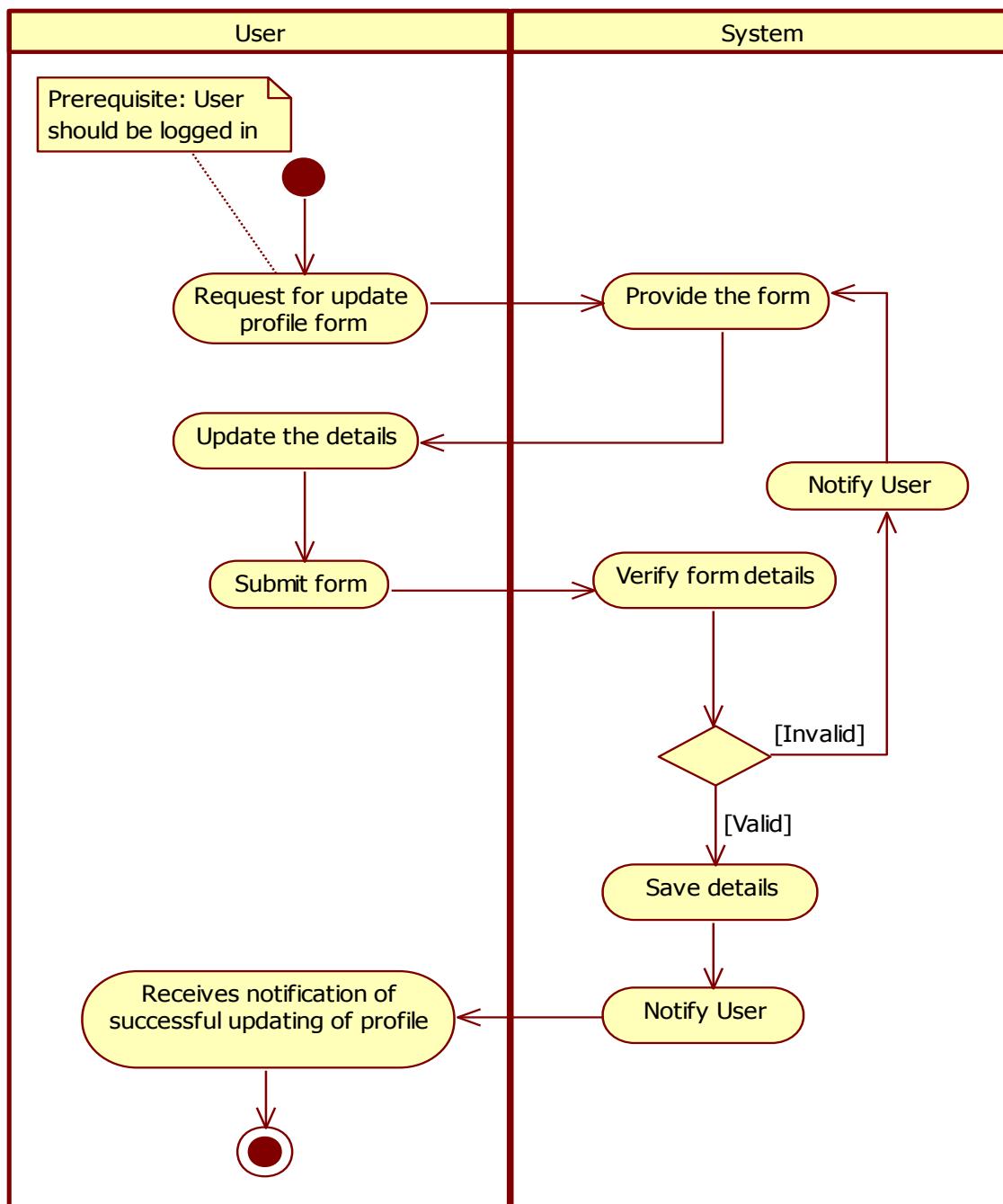
Activity Description:	This activity describes the process of updating or deleting a course.
Participating Actor:	Administrator
Pre-Condition:	Administrator must be logged in to the system.
Flow of Events:	<ol style="list-style-type: none"> 1. Administrator request for the update/delete course form, which is provided by the system, where the system lists out all courses by criteria. 2. Administrator searches for course by criteria and decide whether to update or delete course. 3. If administrator wants to delete the course then system asks for the confirmation and deletes it. (A1) 4. If administrator wants to update the course then system provides the update course form. 5. Administrator makes the required changes and submits the form, which is then validated by system and details are saved. (A2) 6. Administrator receives the notification regarding successful updating of course.
Alternate Course of Events:	<p>A1 – If the delete action is not confirmed then the system again lists out all courses by criteria.</p> <p>A2 – If the form details are invalid then the administrator is notified with an error message asking him/her to refill the valid details.</p>
Post-Condition:	

Activity Diagram for Adding News and Events



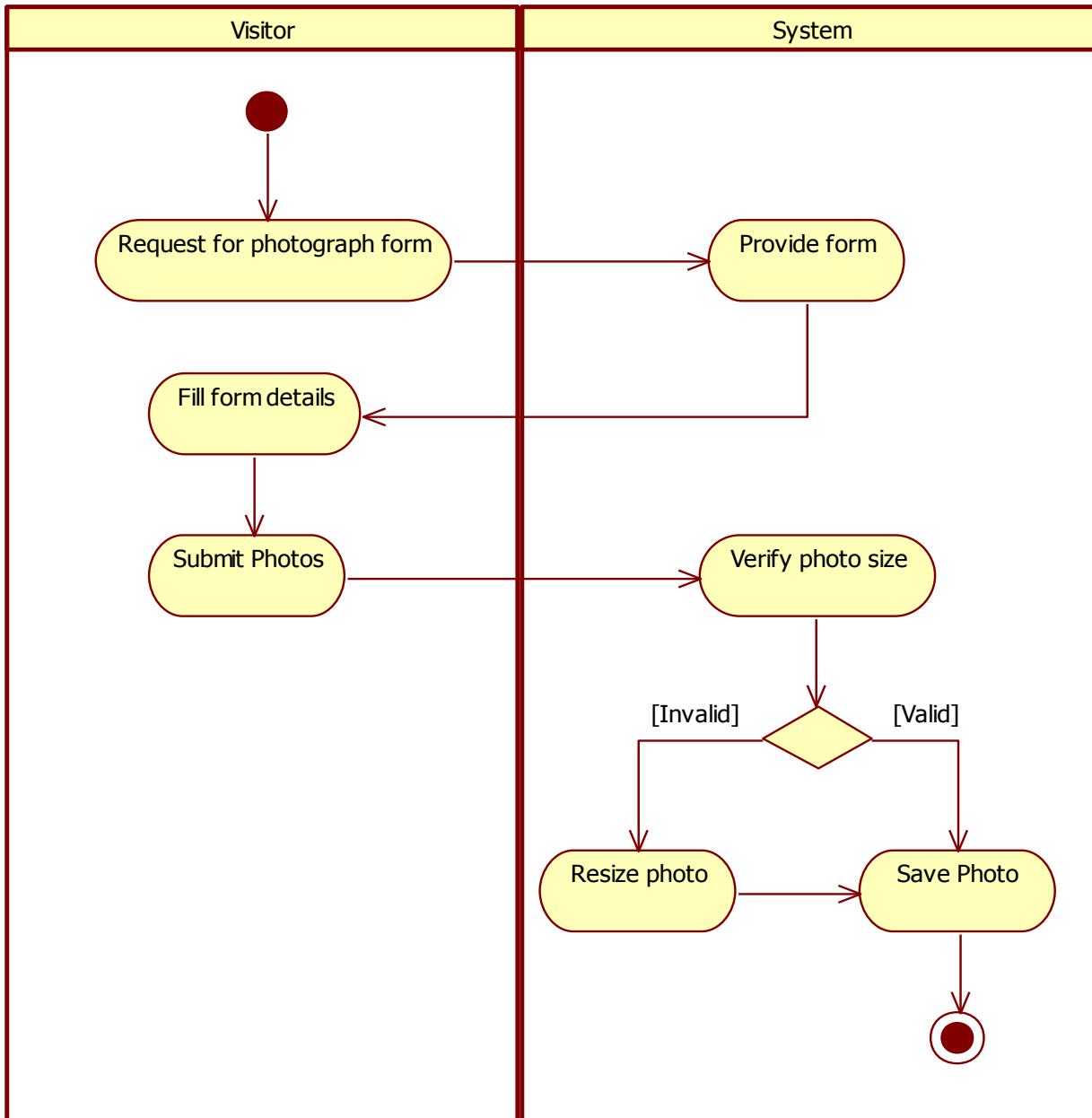
Activity Description:	This activity describes the process of adding news and events.
Participating Actors:	Teacher, Administrator, CASA Head
Pre-Condition:	User must be logged in to the system.
Flow of Events:	<ol style="list-style-type: none"> 1. User request for the news and events form, which is provided by the system, fills the required details of the news and events and submits the form. 2. The form is validated and verified by the system, where the system verifies the news/event date. (A1) 3. The system saves the details, which includes creation of log and the user receives notification regarding the successful addition of news and events.
Alternate Course of Events:	A1 – If the event dates are not valid then user is notified about it and asked to provide a valid date.
Post-Condition:	

Activity Diagram for Updating User Profile



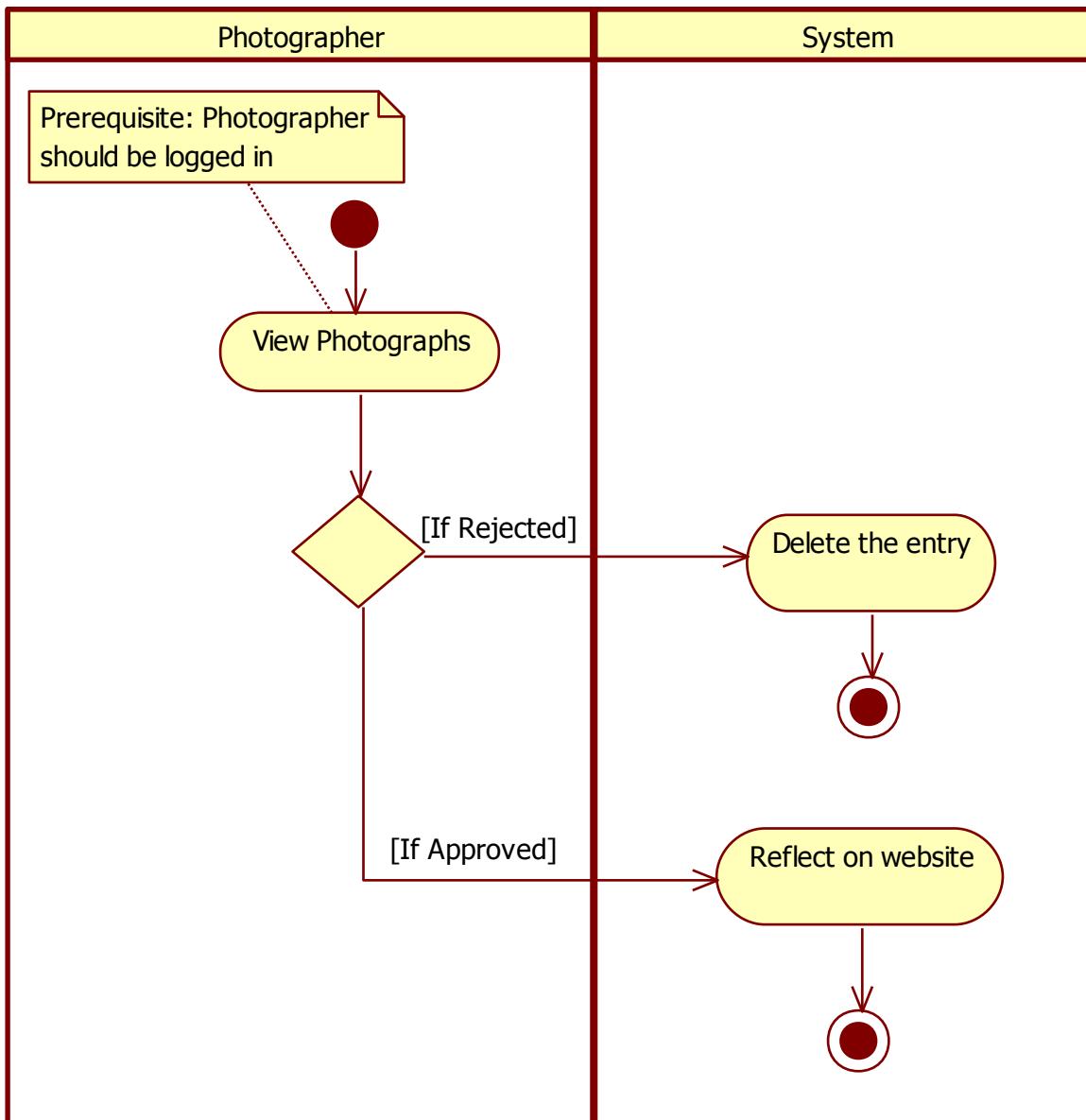
Activity Description:	This activity describes the process of updating a profile.
Participating Actor:	User
Pre-Condition:	User must be logged in to the system.
Flow of Events:	<ol style="list-style-type: none"> 1. User request for the update profile form, which is provided by the system, fills the required details and submits the form. 2. The system validates and verifies the form details and saves them. (A1) 3. The user receives notification regarding the successful updating of the profile.
Alternate Course of Events:	A1 - If the details are not valid then user is notified about it and asked to provide the valid details.
Post-Condition:	

Activity Diagram for Sharing Photographs



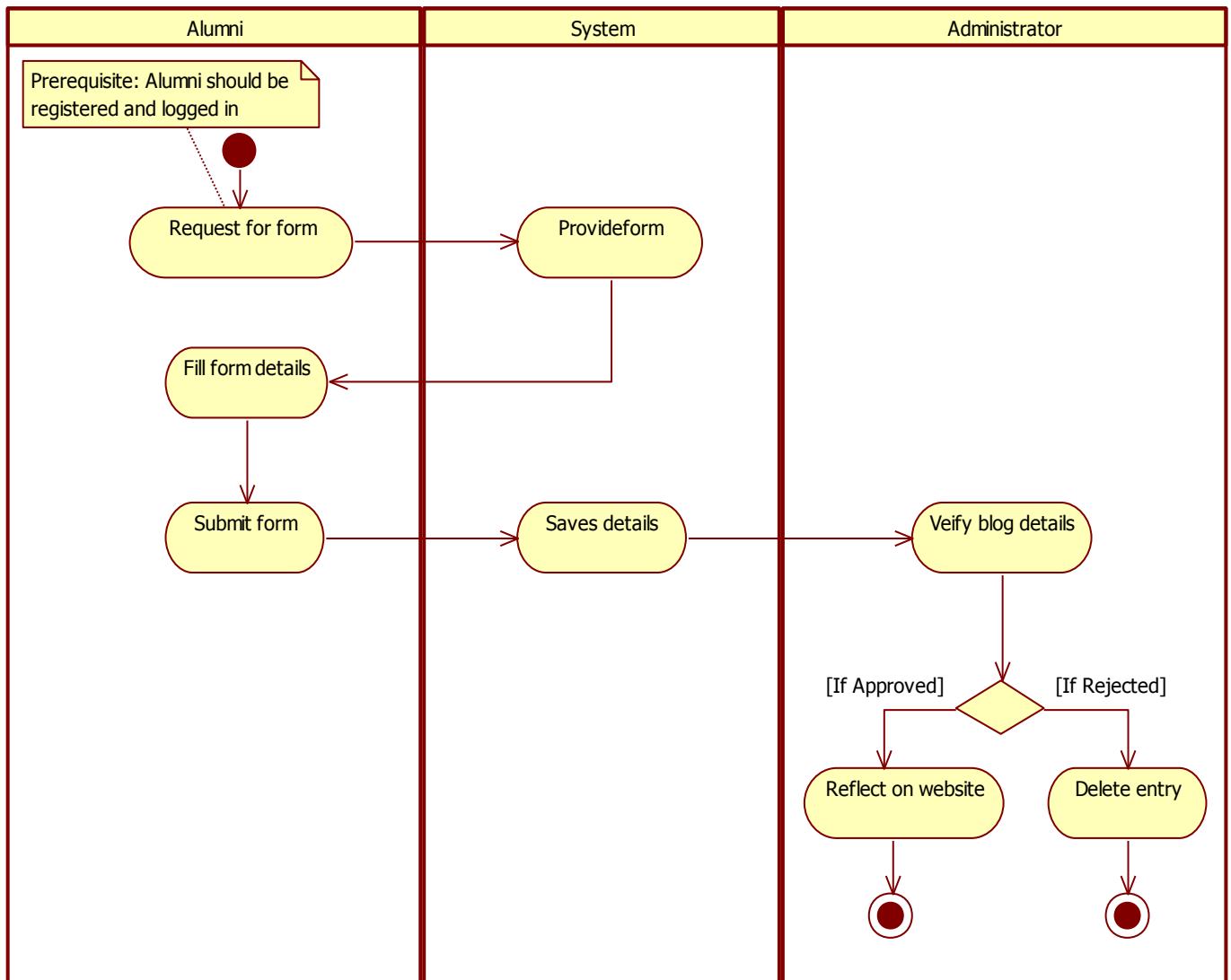
Activity Description:	This activity describes the process of sharing photographs for the website.
Participating Actor:	Visitor
Pre-Condition:	
Flow of Events:	<ol style="list-style-type: none"> 1. Visitor request for the share photograph form, which is provided by the system, fills the required details and submits the form along with the photographs. 2. The photo size is verified by the system and then saved. (A1)
Alternate Course of Events:	A1 – If the photo size is invalid then photographs are resized and then saved.
Post-Condition:	

Activity Diagram for Approval of Photographs



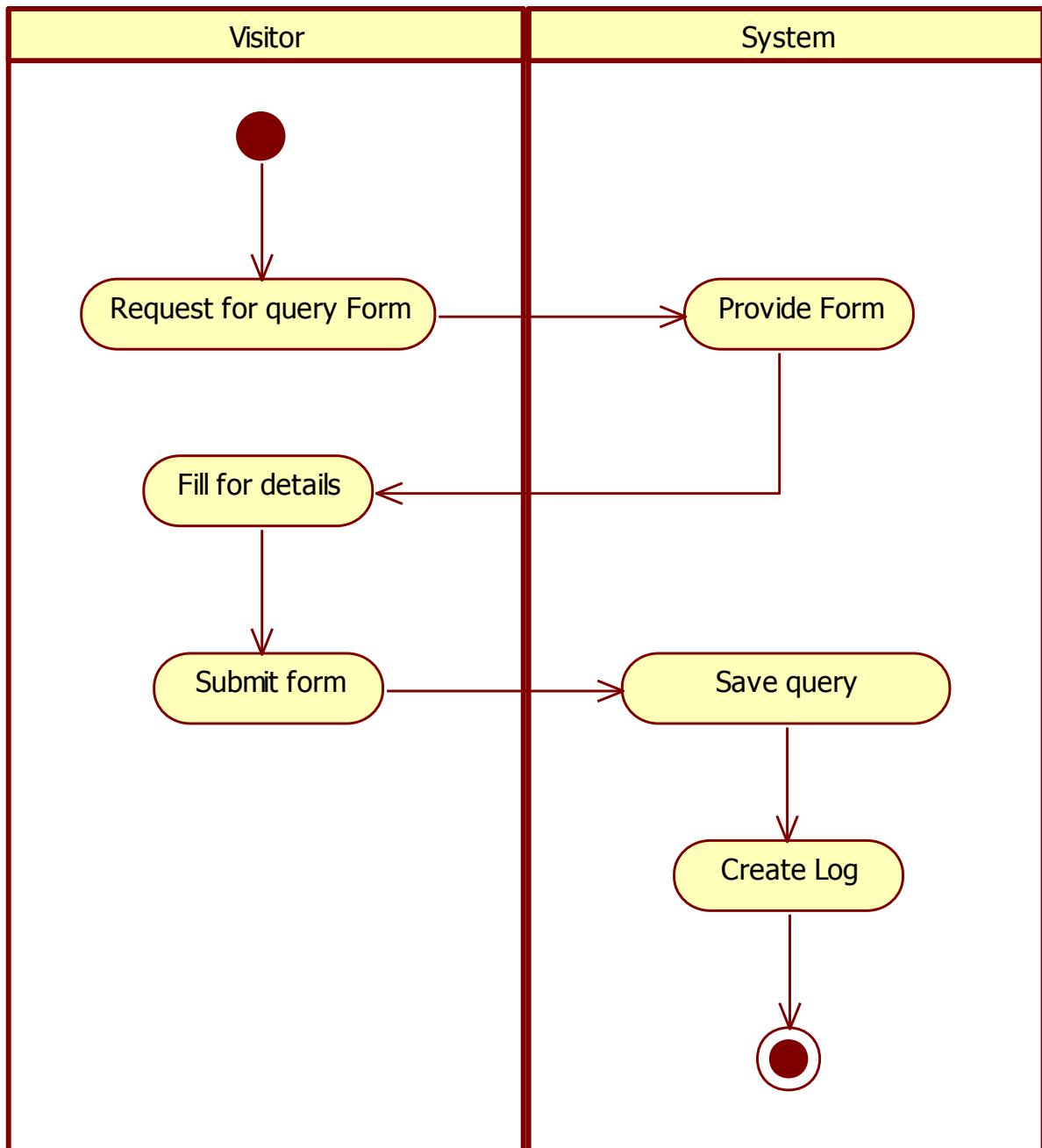
Activity Description:	This activity describes the process of approving the photographs.
Participating Actor:	Photographer
Pre-Condition:	Photographer must be logged in to the system.
Flow of Events:	<ol style="list-style-type: none"> 1. Photographer views the photographs that are submitted by the visitor. 2. If photographer approves the photographs then it is reflected on the website. (A1)
Alternate Course of Events:	A1 – If the photographer rejects the photographs then their entries are deleted.
Post-Condition:	

Activity Diagram for Sharing Blogs



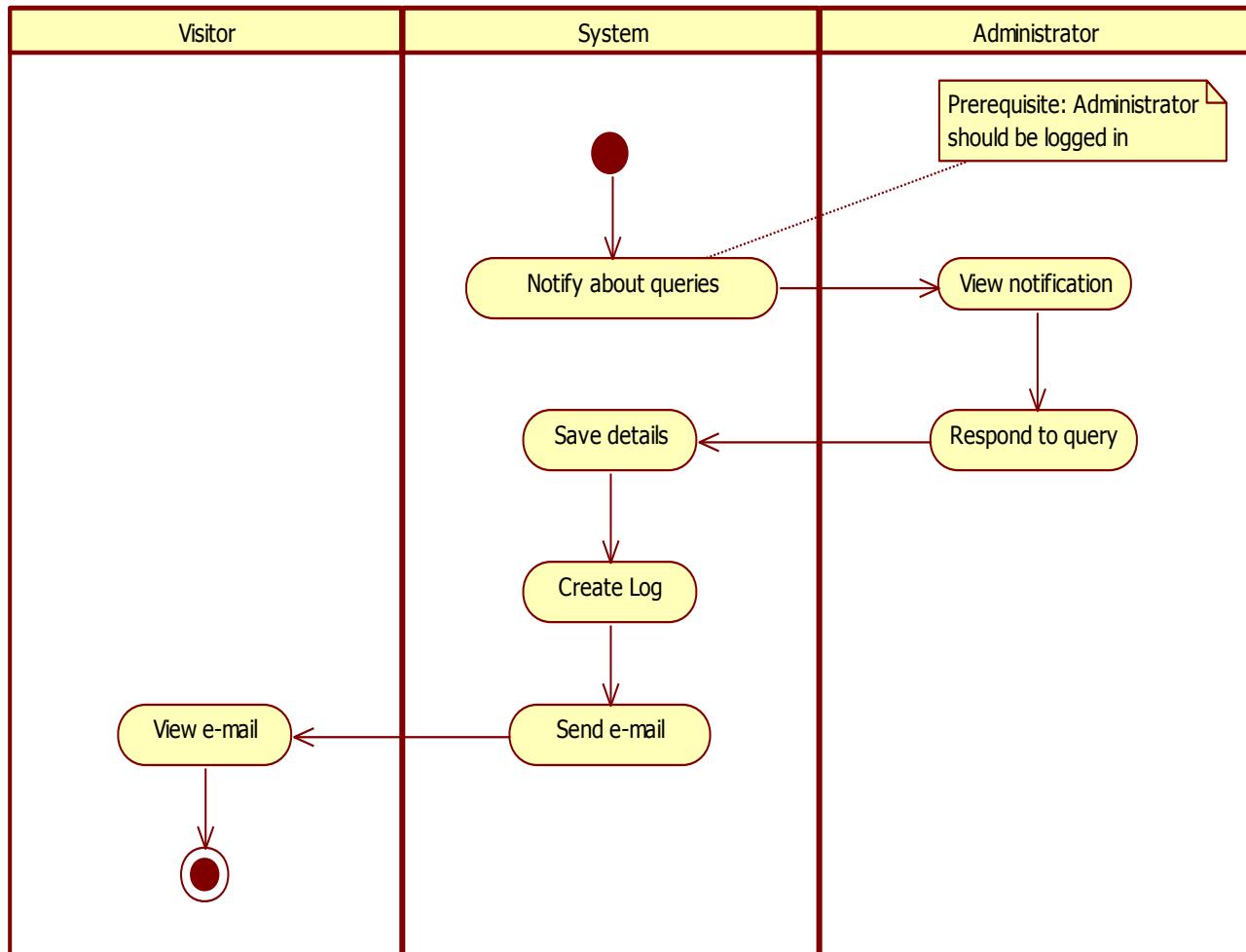
Activity Description:	This activity describes the process of sharing blogs.
Participating Actors:	Alumni, Administrator
Pre-Condition:	Alumni must be registered and logged in to the system.
Flow of Events:	<ol style="list-style-type: none"> 1. Alumni request for the share blog form, which is provided by the system, fills the required details and submits the form. 2. The system saves the details until the administrator verifies the blog. 3. The blog is verified by the administrator and reflected on the website if approved.
Alternate Course of Events:	A1 – If the blog is rejected then the entry of the blog is deleted.
Post-Condition:	

Activity Diagram for Asking Query



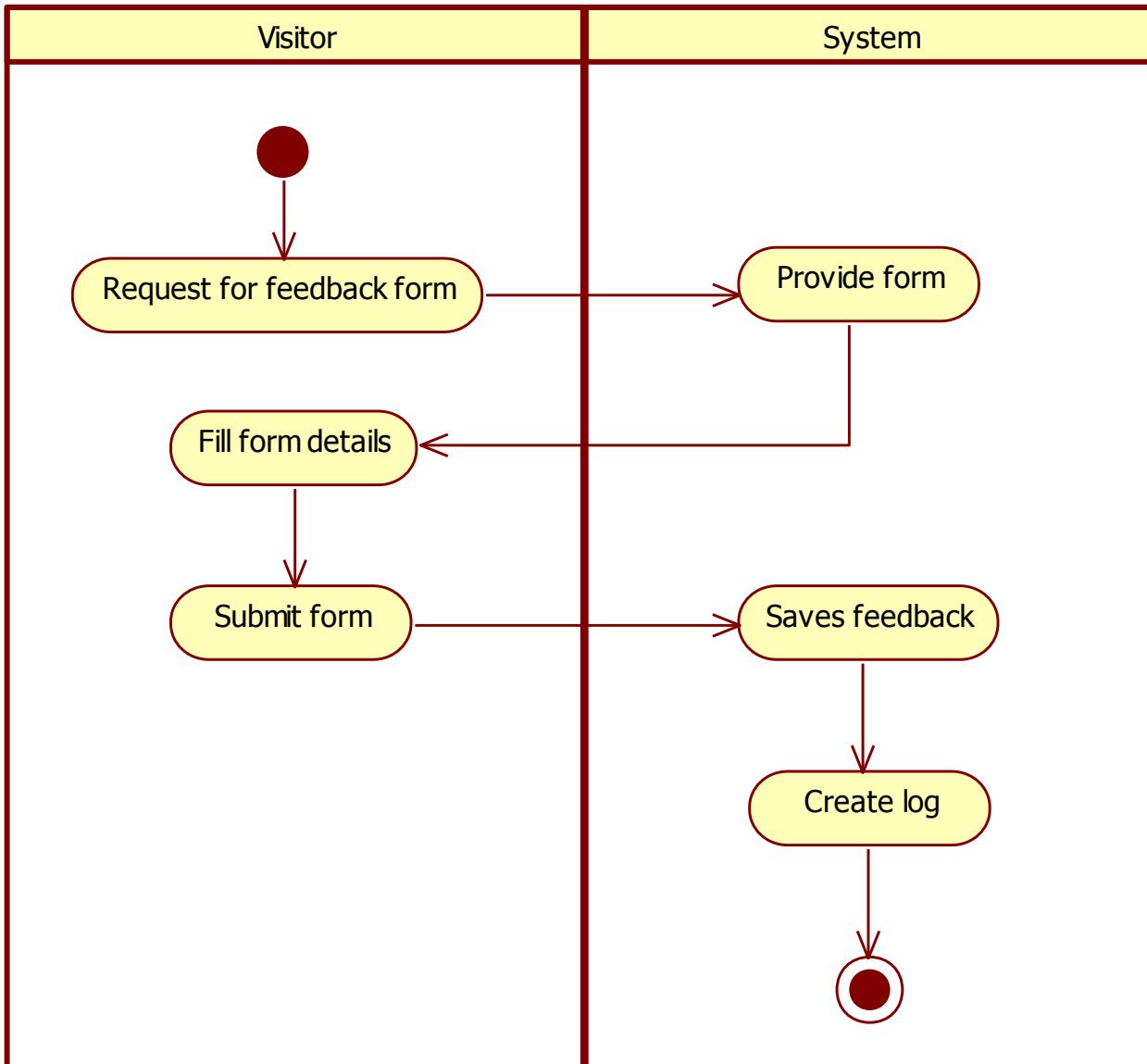
Activity Description:	This activity describes the process of asking query.
Participating Actor:	Visitor
Pre-Condition:	
Flow of Events:	<ol style="list-style-type: none"> 1. Visitor request for the ask query form, which is provided by the system, fills the required details and submits the form. 2. The query is stored by the system and log is created.
Alternate Course of Events:	
Post-Condition:	

Activity Diagram for Responding to Query



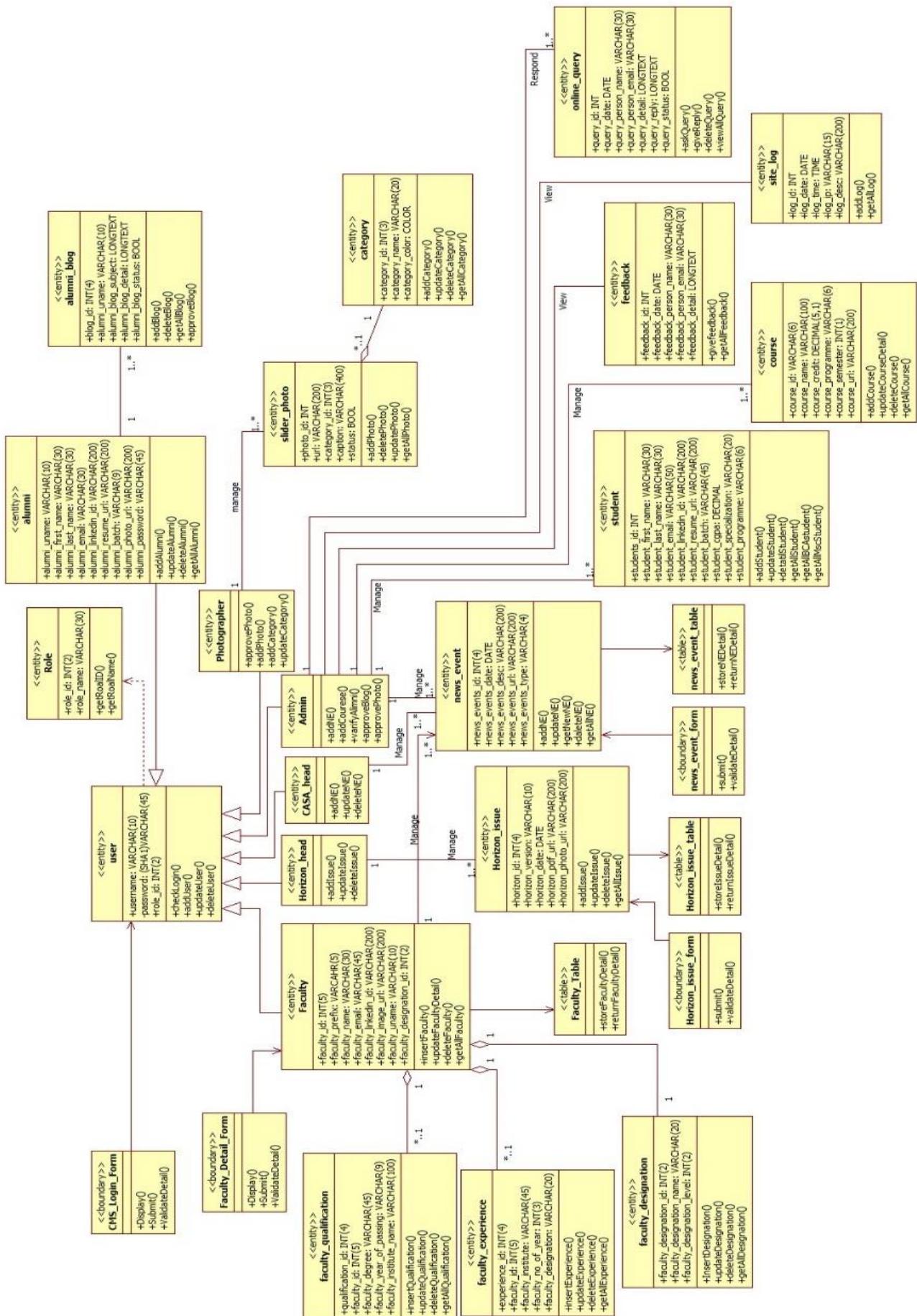
Activity Description:	This activity describes the process of responding to query.
Participating Actors:	Visitor, Administrator
Pre-Condition:	
Flow of Events:	<ol style="list-style-type: none"> 1. System notifies the administrator about the queries. 2. Administrator views the queries and responds to it. 3. These details are stored by system, log is created and an e-mail is sent to the visitor about the response. 4. Visitor views the e-mail.
Alternate Course of Events:	
Post-Condition:	

Activity Diagram for Giving Feedback



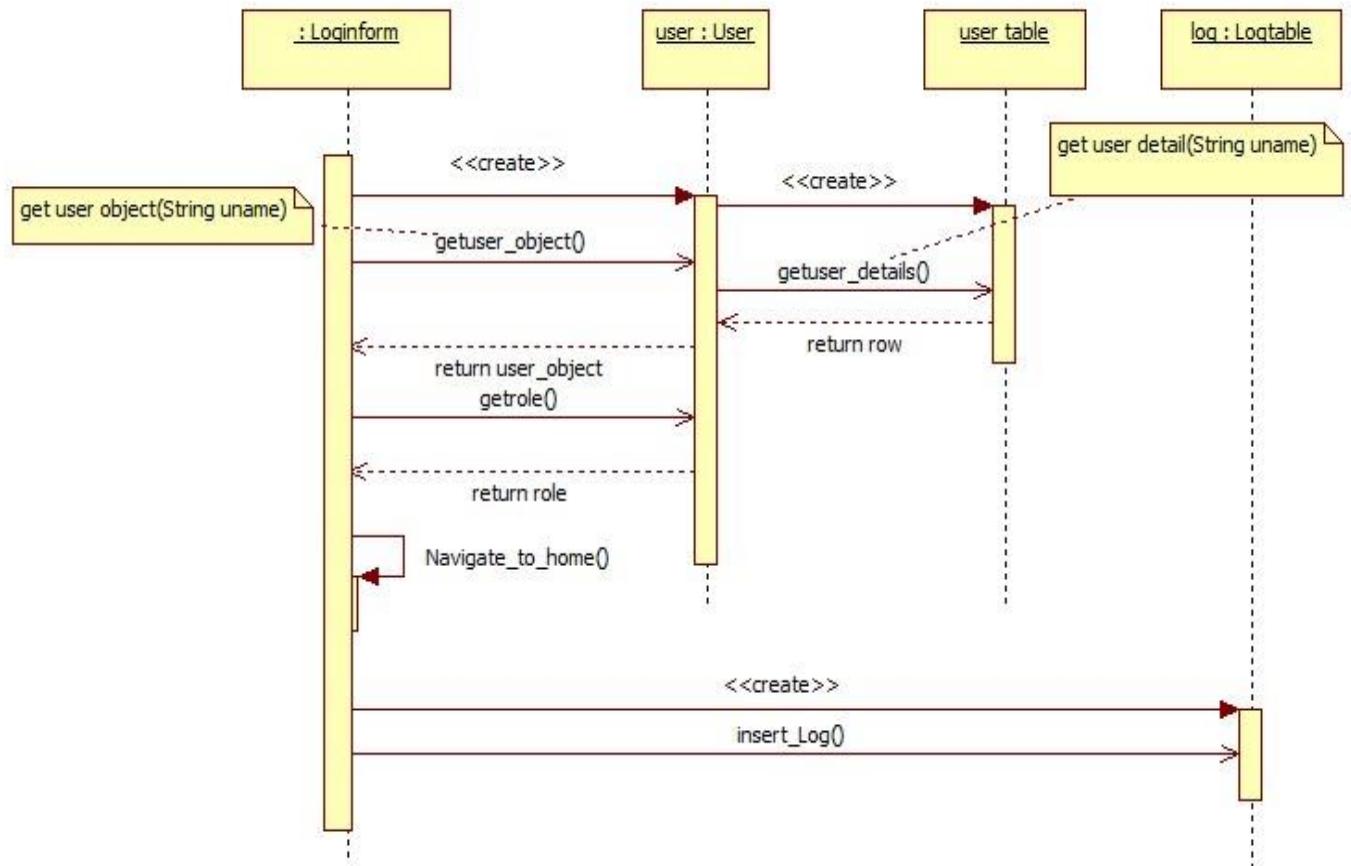
Activity Description:	This activity describes the process of giving feedback.
Participating Actor:	Visitor
Pre-Condition:	
Flow of Events:	<ol style="list-style-type: none"> 1. Visitor request for the feedback form, which is provided by the system, fills the required details and submits the form. 2. The feedback is saved by the system and log is created.
Alternate Course of Events:	
Post-Condition:	

5.3 CLASS DIAGRAM

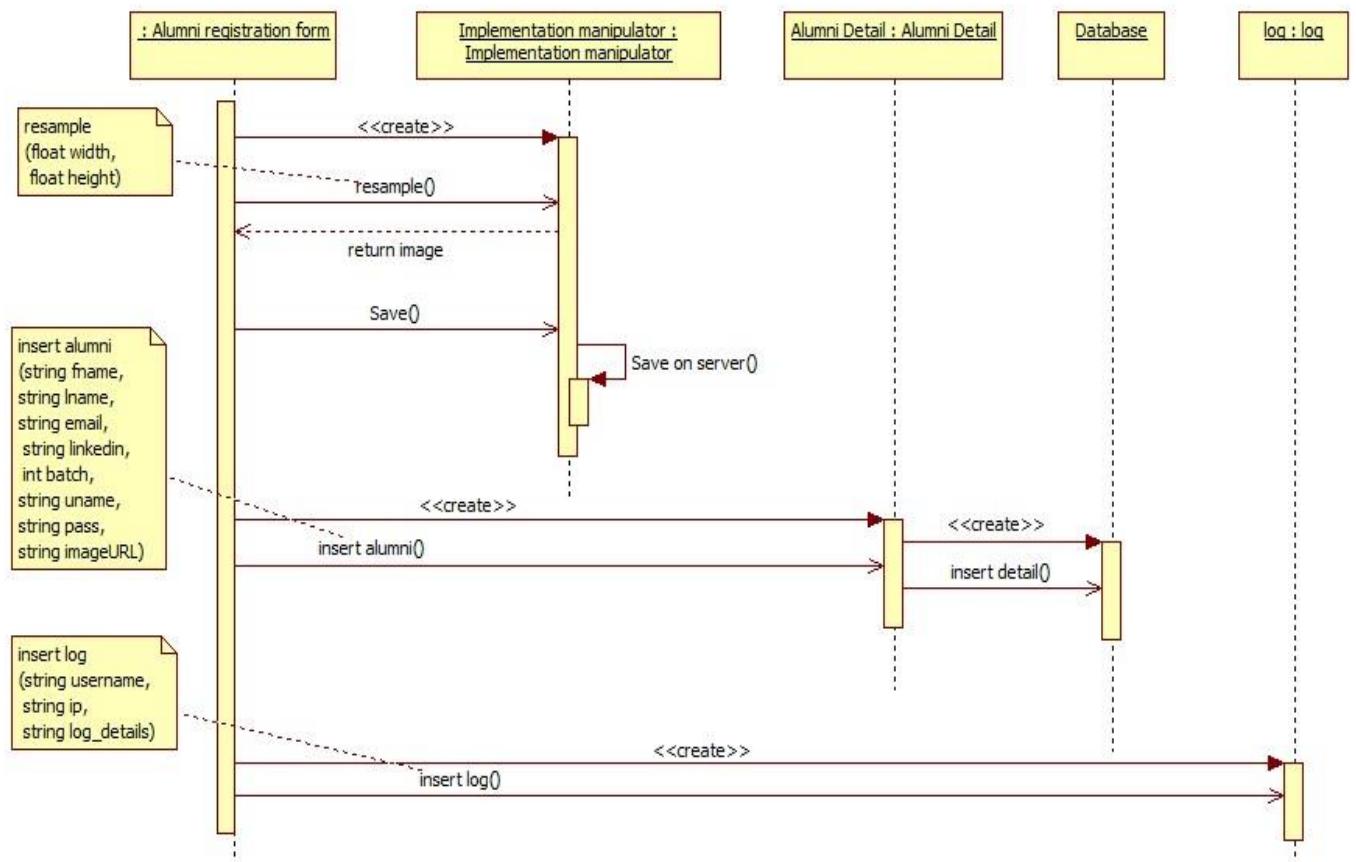


5.4 SEQUENCE DIAGRAMS

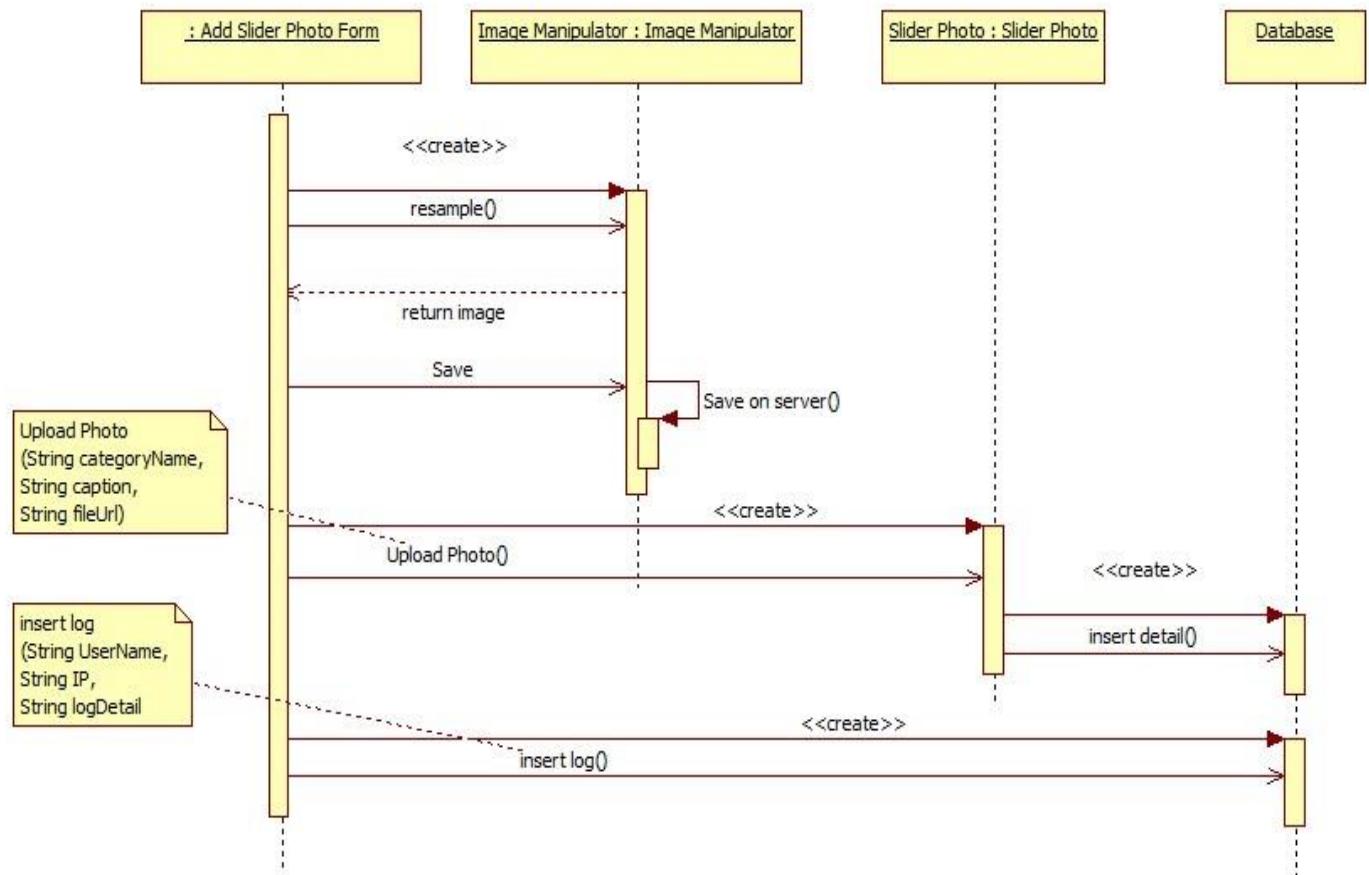
Sequence Diagram for Login



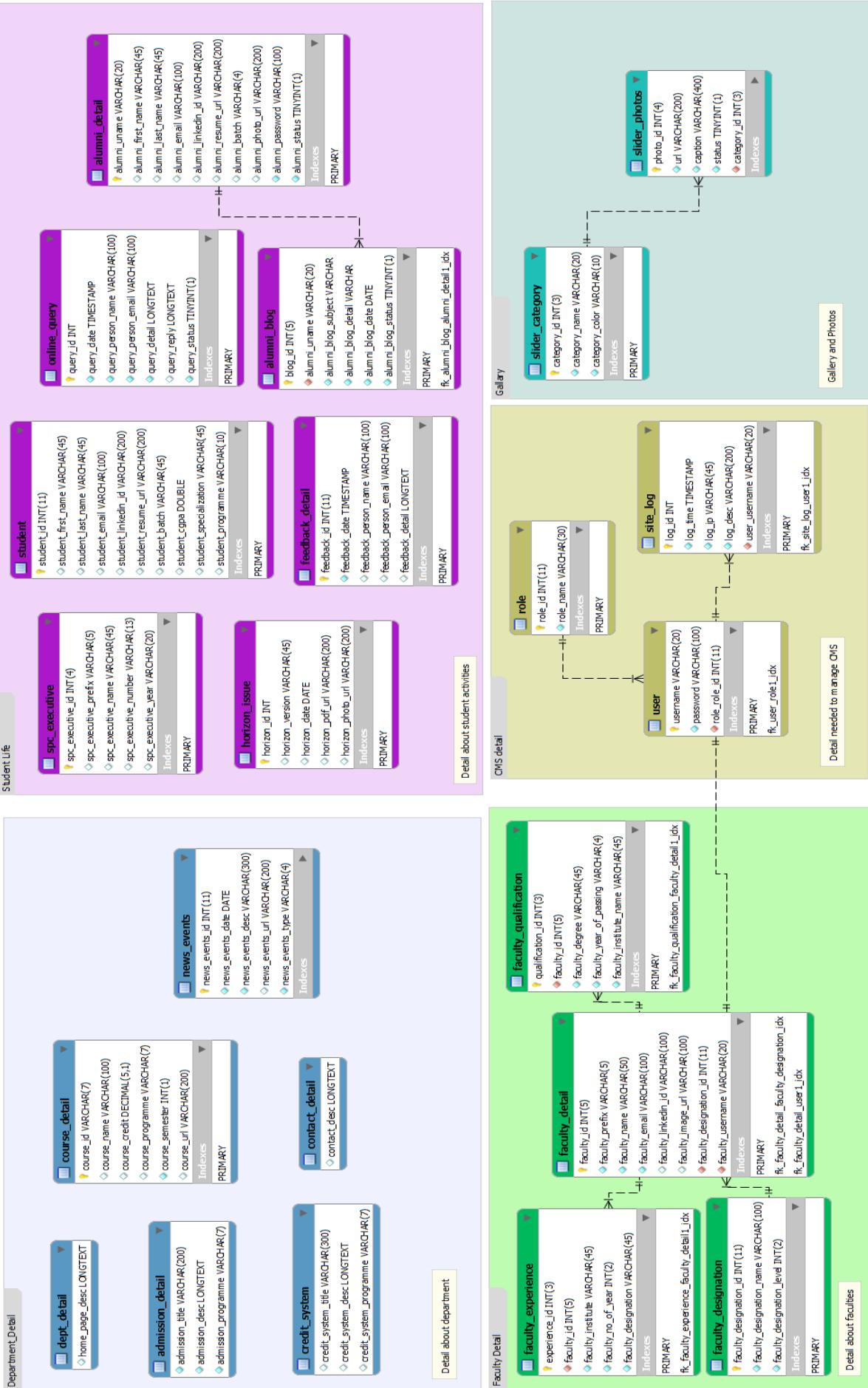
Sequence Diagram for Alumni Registration



Sequence Diagram for Adding Slider Photos



5.5 DATABASE DIAGRAM



5.6 DATA DICTIONARY

Field Name	Data Type	Constraints	Validation
		dept_detail	
home_page_desc	LONGTEXT	NOT NULL	NONE
		admission_detail	
admission_title	VARCHAR	UNIQUE,NOT NULL	Size should not exceed than 200 characters
admission_desc	LONGTEXT	NOT NULL	NONE
admission_programme	VARCHAR	NOT NULL	Size should not exceed than 7 characters
		credit_system	
credit_system_title	VARCHAR	UNIQUE,NOT NULL	Size should not exceed than 300 characters
credit_system_desc	LONGTEXT	NOT NULL	NONE
credit_system_programme	VARCHAR	NOT NULL	Size should not exceed than 7 characters
		contact_detail	
contact_desc	LONGTEXT	NONE	NONE
		news_events	
news_events_id	INTEGER	PRIMARY KEY,AUTO INCREMENT	Size should not exceed than 11 characters
news_events_date	DATE	NOT NULL	Date
news_events_desc	VARCHAR	NOT NULL	Size should not exceed than 300 characters
news_events_url	VARCHAR	NONE	Size should not exceed than 200 characters
news_events_type	VARCHAR	NOT NULL	Size should not exceed than 45 characters
		course_detail	
course_id	VARCHAR	PRIMARY KEY	Size should not exceed than 7 characters
course_name	VARCHAR	NOT NULL	Size should not exceed than 100 characters
course_credit	DECIMAL	NOT NULL	number could be of five digits and is upto 1 decimal places
course_programme	VARCHAR	NOT NULL	Size should not exceed than 7 characters
course_semister	INTEGER	NOT NULL	Size should not exceed than 1 character
course_url	VARCHAR	NONE	Size should not exceed than 200 characters
		faculty_experience	
experience_id	INTEGER	PRIMARY KEY,AUTO INCREMENT	Size should not exceed than 3 characters
faculty_id	INTEGER	FOREIGN KEY	Size should not exceed than 5 characters
faculty_institute	VARCHAR	NOT NULL	Size should not exceed than 45 characters
faculty_no_of_year	INTEGER	NOT NULL	Size should not exceed than 2 characters
faculty_designation	VARCHAR	NOT NULL	Size should not exceed than 45 characters
		faculty_designation	
faculty_designation_id	INTEGER	PRIMARY KEY , AUTO INCREMENT	Size should not exceed than 11 characters
faculty_designation_name	VARCHAR	NOT NULL	Size should not exceed than 100 characters
faculty_designation_level	INTEGER	NOT NULL	Size should not exceed than 2 characters

faculty_detail			
faculty_id	INTEGER	PRIMARY KEY,AUTO INCREMENT	Size should not exceed than 5 characters
faculty_prefix	VARCHAR	NOT NULL	Size should not exceed than 5 characters
faculty_name	VARCHAR	NOT NULL	Size should not exceed than 100 characters
faculty_email	VARCHAR	NOT NULL	max Size 100 characters/should match email pattern
faculty_linkedin_id	VARCHAR	UNIQUE	Size should not exceed than 100 characters
faculty_image_url	VARCHAR	NONE	Size should not exceed than 100 characters
faculty_username	VARCHAR	FOREIGN KEY	Size should not exceed than 20 characters
faculty_designation_id	INTEGER	FOREIGN KEY	Size should not exceed than 11 characters
faculty_qualification			
qualification_id	INTEGER	PRIMARY KEY,AUTO INCREMENT	Size should not exceed than 3 characters
faculty_id	INTEGER	FOREIGN KEY	Size should not exceed than 5 characters
faculty_degree	VARCHAR	NOT NULL	Size should not exceed than 45 characters
faculty_year_of_passing	VARCHAR	NOT NULL	Size should not exceed than 4 characters
faculty_institute_name	VARCHAR	NOT NULL	Size should not exceed than 45 characters
role			
role_id	INTEGER	PRIMARY KEY,AUTO INCREMENT	Size should not exceed than 11 characters
role_name	VARCHAR	NOT NULL	Size should not exceed than 30 characters
user			
username	VARCHAR	PRIMARY KEY	Size should not exceed than 20 characters
password	VARCHAR	NOT NULL	Size should not exceed than 100 characters
role_id	INTEGER	FOREIGN KEY	Size should not exceed than 11 characters
site_log			
log_id	INTEGER	PRIMARY KEY, AUTO INCREMENT	NONE
log_time	TIMESTAMP	NOT NULL	CURRENT TIME
log_ip	VARCHAR	NOT NULL	Size should not exceed than 45 characters
log_desc	VARCHAR	NOT NULL	Size should not exceed than 200 characters
user_username	VARCHAR	NOT NULL	Size should not exceed than 20 characters
slider_category			
category_id	INTEGER	PRIMARY KEY,AUTO INCREMENT	Size should not exceed than 3 characters
category_name	VARCHAR	NOT NULL	Size should not exceed than 20 characters
category_color	VARCHAR	NOT NULL	Size should not exceed than 10 characters

slider_photos			
photo_id	INTEGER	PRIMARY KEY,AUTO INCREMENT	Size should not exceed than 4 characters
url	VARCHAR	NOT NULL	Size should not exceed than 200 characters
category_id	INTEGER	FOREIGN KEY	Size should not exceed than 3 characters
caption	VARCHAR	NOT NULL	Size should not exceed than 400 characters
status	TINYINT	NOT NULL	Size should not exceed than 1 character

horizon_issue			
horizon_id	INTEGER	PRIMARY KEY,AUTO INCREMENT	NONE
horizon_version	VARCHAR	UNIQUE	Size should not exceed than 45 characters
horizon_date	DATE	NOT NULL	NONE
horizon_pdf_url	VARCHAR	NOT NULL	Size should not exceed than 200 characters
horizon_photo_url	VARCHAR	NOT NULL	Size should not exceed than 200 characters
spc_executive			
spc_executive_id	INTEGER	PRIMARY KEY,AUTO INCREMENT	Size should not exceed than 4 characters
spc_executive_prefix	VARCHAR	NOT NULL	Size should not exceed than 5 characters
spc_executive_name	VARCHAR	NOT NULL	Size should not exceed than 45 characters
spc_executive_number	VARCHAR	UNIQUE	Size should not exceed than 13 characters
spc_executive_year	VARCHAR	NOT NULL	Size should not exceed than 20 characters
STUDENT			
student_id	INTEGER	PRIMARY KEY,AUTO INCREMENT	Size should not exceed than 11 characters
student_first_name	VARCHAR	NOT NULL	Size should not exceed than 45 characters
student_last_name	VARCHAR	NOT NULL	Size should not exceed than 45 characters
student_email	VARCHAR	UNIQUE,NOT NULL	Size should not exceed than 100 characters
student_linkedin_id	VARCHAR	UNIQUE	Size should not exceed than 200 characters
student_resume_url	VARCHAR	NONE	Size should not exceed than 200 characters
student_batch	VARCHAR	NOT NULL	Size should not exceed than 45 characters
student_cgpa	DOUBLE	NOT NULL	cgpa should not be more than 10
student_specialization	VARCHAR	NONE	Size should not exceed than 45 characters
student_programme	VARCHAR	NOT NULL	Size should not exceed than 10 characters
feedback_detail			
feedback_id	INTEGER	PRIMARY KEY,AUTO INCREMENT	Size should not exceed than 11 characters
feedback_date	TIMESTAMP	NOT NULL	Current Date/Time
feedback_person_name	VARCHAR	NOT NULL	Size should not exceed than 100 characters
feedback_person_email	VARCHAR	NOT NULL	Size should not exceed than 100 characters
feedback_detail	LONG TEXT	NOT NULL	NONE
online_query			
query_id	INTEGER	PRIMARY KEY,AUTO INCREMENT	NONE
query_date	TIMESTAMP	NOT NULL	Current Date/Time
query_person_name	VARCHAR	NOT NULL	Size should not exceed than 100 characters
query_person_email	VARCHAR	NOT NULL	Size should not exceed than 100 characters
query_detail	LONG TEXT	NOT NULL	NONE
query_reply	LONG TEXT	NOT NULL	NONE
query_status	TINY INT	NOT NULL	Size should not exceed than 1 character
alumni_blog			
blog_id	INTEGER	PRIMARY KEY,AUTO INCREMENT	Size should not exceed than 5 characters
alumni_uname	VARCHAR	FOREIGN KEY,NOT NULL	Size should not exceed than 20 characters
alumni_blog_subject	LONG TEXT	NOT NULL	NONE
alumni_blog_detail	LONG TEXT	NOT NULL	NONE
alumni_blog_date	DATE	NOT NULL	Current Date/Time
alumni_blog_status	TINY INT	NOT NULL	Size should not exceed than 1 character

alumni_detail			
alumni_uname	VARCHAR	PRIMARY KEY	Size should not exceed than 20 characters
alumni_first_name	VARCHAR	NOT NULL	Size should not exceed than 45 characters
alumni_last_name	VARCHAR	NOT NULL	Size should not exceed than 45 characters
alumni_email	VARCHAR	UNIQUE,NOT NULL	Size should not exceed than 100 characters
alumni_linkedin_id	VARCHAR	UNIQUE	Size should not exceed than 200 characters
alumni_resume_url	VARCHAR	NOT NULL	Size should not exceed than 200 characters
alumni_batch	VARCHAR	NOT NULL	Size should not exceed than 45 characters
alumni_photo_url	VARCHAR	NOT NULL	Size should not exceed than 200 characters
alumni_password	VARCHAR	NOT NULL	SHA1, Size should not exceed than 100 characters
alumni_status	TINY INT	NOT NULL	Size should not exceed than 1 character

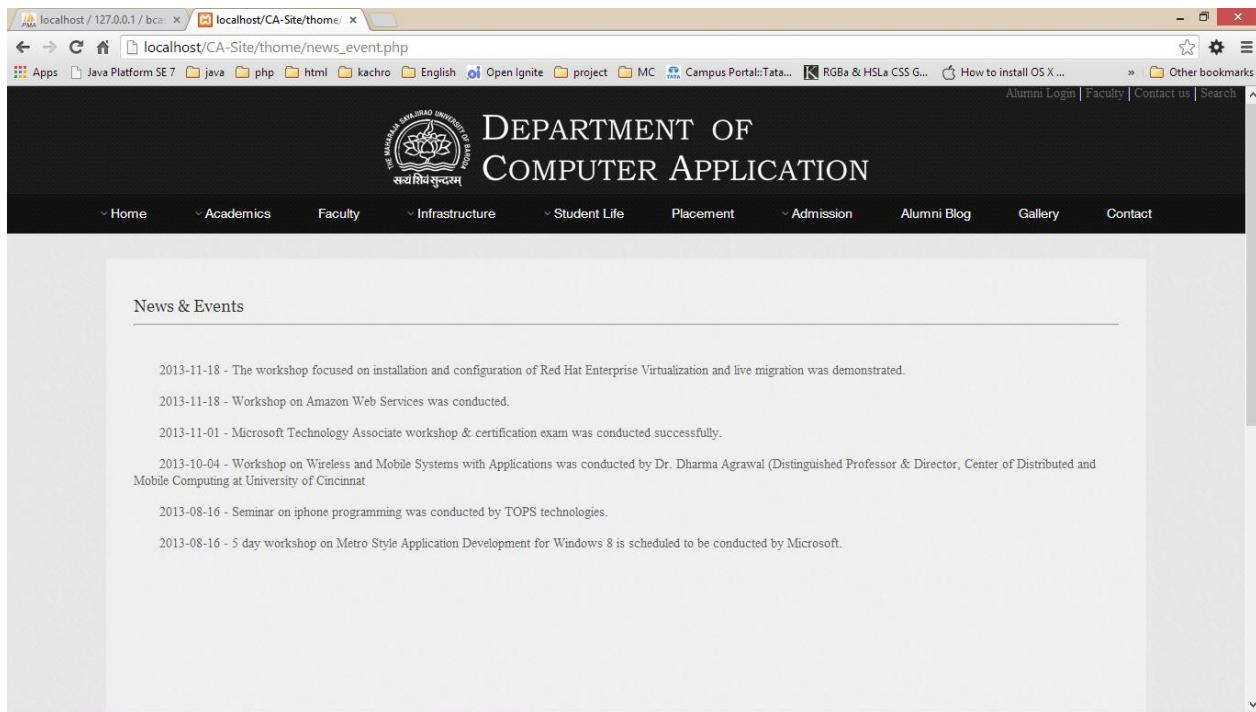
6. SNAPSHOT OF WEBSITE

Website Homepage

This screenshot shows the homepage of the Department of Computer Application. At the top, there's a navigation bar with links for Home, Academics, Faculty, Infrastructure, Student Life, Placement, Admission, Alumni Blog, Gallery, and Contact. Below the navigation is a banner featuring three images: students working on computers, two students looking at a laptop together, and an exterior view of the university building. On the left side, there's a sidebar with a yellow header 'SHOW MORE' and a section titled 'DEMICS' with a link 'show only the academics photos'. On the right side, there's another 'SHOW MORE' button and a section titled 'ACADEMICS' with the same link. The main content area has a heading 'Department of Computer Applications' and a brief welcome message about the department's history and offerings. To the right of this is a 'News & Events' section listing workshops and webinars.

This screenshot shows a slightly different layout of the same website. The navigation bar and banner are identical. The sidebar on the left now has a yellow header 'SHOW A PHOTO' and includes buttons for 'show all', 'only campus', 'only student life', 'only academics', 'only community', 'only global', and 'only infrastructure'. The main content area and news events section are also present, though the news items appear to be identical to the first screenshot.

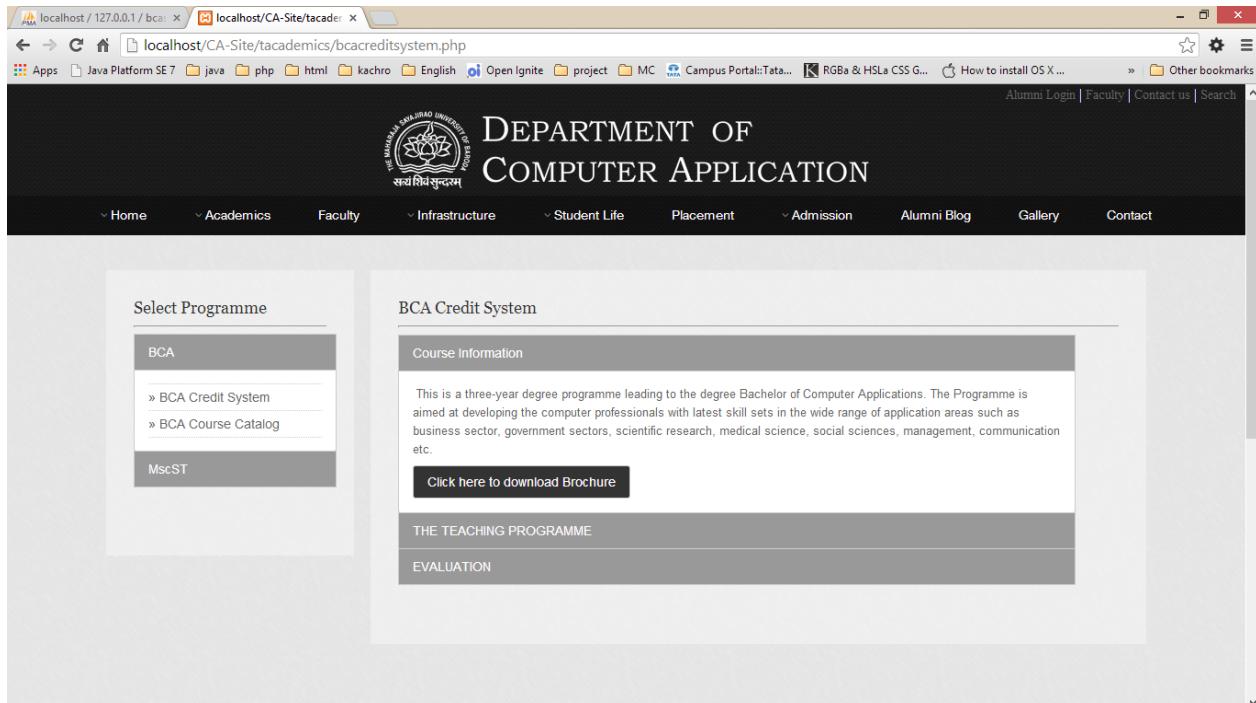
News and Events Page



A screenshot of a web browser window showing the 'News and Events Page'. The page has a dark header with the university logo and the text 'DEPARTMENT OF COMPUTER APPLICATION'. Below the header is a navigation menu with links like Home, Academics, Faculty, Infrastructure, Student Life, Placement, Admission, Alumni Blog, Gallery, and Contact. The main content area is titled 'News & Events' and lists several news items:

- 2013-11-18 - The workshop focused on installation and configuration of Red Hat Enterprise Virtualization and live migration was demonstrated.
- 2013-11-18 - Workshop on Amazon Web Services was conducted.
- 2013-11-01 - Microsoft Technology Associate workshop & certification exam was conducted successfully.
- 2013-10-04 - Workshop on Wireless and Mobile Systems with Applications was conducted by Dr. Dharma Agrawal (Distinguished Professor & Director, Center of Distributed and Mobile Computing at University of Cincinnati)
- 2013-08-16 - Seminar on iphone programming was conducted by TOPS technologies.
- 2013-08-16 - 5 day workshop on Metro Style Application Development for Windows 8 is scheduled to be conducted by Microsoft.

Academics Page



A screenshot of a web browser window showing the 'Academics Page'. The page has a dark header with the university logo and the text 'DEPARTMENT OF COMPUTER APPLICATION'. Below the header is a navigation menu with links like Home, Academics, Faculty, Infrastructure, Student Life, Placement, Admission, Alumni Blog, Gallery, and Contact. The main content area is divided into two sections: 'Select Programme' on the left and 'BCA Credit System' on the right.

Select Programme

- BCA
 - > BCA Credit System
 - > BCA Course Catalog
- MscST

BCA Credit System

Course Information

This is a three-year degree programme leading to the degree Bachelor of Computer Applications. The Programme is aimed at developing the computer professionals with latest skill sets in the wide range of application areas such as business sector, government sectors, scientific research, medical science, social sciences, management, communication etc.

[Click here to download Brochure](#)

THE TEACHING PROGRAMME

EVALUATION

The screenshot shows a web browser window with the URL localhost/CA-Site/tacader. The page title is "MscST Course Catalog". At the top, there is a navigation bar with links for Home, Academics, Faculty, Infrastructure, Student Life, Placement, Admission, Alumni Blog, Gallery, and Contact. On the left, a sidebar titled "Select Programme" lists "BCA" and "MscST". The main content area is titled "MscST Course Catalog" and contains a table for "Semester I" with four courses: SW201, SW202, SW203, and SW204, each with its credit value (3.0, 3.0, 2.0, 2.0 respectively). Below this is a table for "Semester II" with the same four courses. Further down are tables for "Semester III" and "Semester IV".

Faculty Details Page

The screenshot shows a web browser window with the URL localhost/CA-Site/tfaculty. The page title is "Faculties". The top navigation bar is identical to the one in the previous screenshot. The main content area starts with a section titled "Associate Director" featuring three faculty profiles: Mr. Rakesh Shah, Mr. Suraj Sharma, and Mr. Karthik Singh. Each profile includes a placeholder image, the name, title, email address, and a "View Profile" button. Below this is a section titled "Assistant Professor" featuring three more profiles: Ms. Sonia Shah, Mrs. Palki Patel, and Ms. Kritika Kamra. Each profile includes a placeholder image, the name, title, and a "View Profile" button.

Faculty Profile Page

The screenshot shows a faculty profile page for Mr. Rakesh Shah. At the top, there is a placeholder image for a profile picture. Below it, the name 'Mr. Rakesh Shah' is listed along with his title 'Associate Director' and email 'rakesh10@gmail.com'. A table section titled 'Qualifications' lists three degrees: BCA (Year 1990, Institute MSU), MCA (Year 1992, Institute Nirma), and Phd (Year 1994, Institute MSU). Another table titled 'Experience' shows three positions: Parul (7 years, Associate Director), SVIT (5 years, Senior Instructor), and MSU (10 years, Associate Director). The page has a light gray background with horizontal lines separating sections.

Student Life Page

The screenshot displays a section titled 'Horizon Magazine' which describes it as a medium for students to stay updated with technological advancements. Below this, there is a grid of six magazine covers labeled 'Horizon 1.0' through 'Horizon 5.2'. Each cover features a different design and some text, such as 'LOOK BEYOND...', 'THE HORIZON', and 'TOP 3 UPCOMING TRENTS'. The covers are arranged in two rows: four in the top row and two in the bottom row.

The screenshot shows a web browser window with three tabs open. The active tab is titled "localhost/CA-Site/tstudent/BCAstudent.php". The page header features the university logo and the text "DEPARTMENT OF COMPUTER APPLICATION". A navigation bar below the header includes links for Home, Academics, Faculty, Infrastructure, Student Life, Placement, Admission, Alumni Blog, Gallery, and Contact. On the left, a sidebar titled "Select Programme" offers options for BCA and MscST, with a link to "BCA Student Resume". The main content area is titled "BCA Student" and displays five student records, each with a PDF icon and a download link:

Student Name	Email	CGPA
Manali Sarkar	manali.sarkar93@gmail.com	CGPA:6.8
Nidhi Pandya	pandyanidhi4@gmail.com	CGPA:6.9
Udit Verma	vermaudit28@gmail.com	CGPA:7.2
Jay Jayswal	jjay2310@gmail.com	CGPA:7.8
Anupriya Patil	anupriyaindia99@gmail.com	CGPA:6.7
Amar Shah	amarshah20@yahoo.com	CGPA:6.69

A notification bubble in the bottom right corner states "2 files added" and "2 files were added to your Dropbox folder." The system tray at the bottom shows various icons and the date/time: 05:14 PM, 14-12-2013.

Admission Details Page

The screenshot shows a web browser window with three tabs open. The active tab is titled "localhost/CA-Site/tadmission/bcaadmissiondetail.php". The page header features the university logo and the text "DEPARTMENT OF COMPUTER APPLICATION". A navigation bar below the header includes links for Home, Academics, Faculty, Infrastructure, Student Life, Placement, Admission, Alumni Blog, Gallery, and Contact. On the left, a sidebar titled "Select Programme" offers options for BCA and MscST, with a link to "BCA Admission Detail". The main content area is titled "BCA Admission Detail" and contains several sections with headings and descriptive text:

- ELIGIBILITY**
- ADMISSION PROCEDURE**
- MAXIMUM INTAKE**
- SCHEDULE FOR 2013**

The "SCHEDULE FOR 2013" section lists the following details:

- o Closing date of online application for the Program : 27/05/13, Monday
- o Date of written test : 03/06/2013, Monday, 2.30 to 4.00 p.m.
- o Declaration of result : 06/06/2013, Thursday
- o Commencement of teaching : 04/07/2013, Thursday

Alumni Blog Page

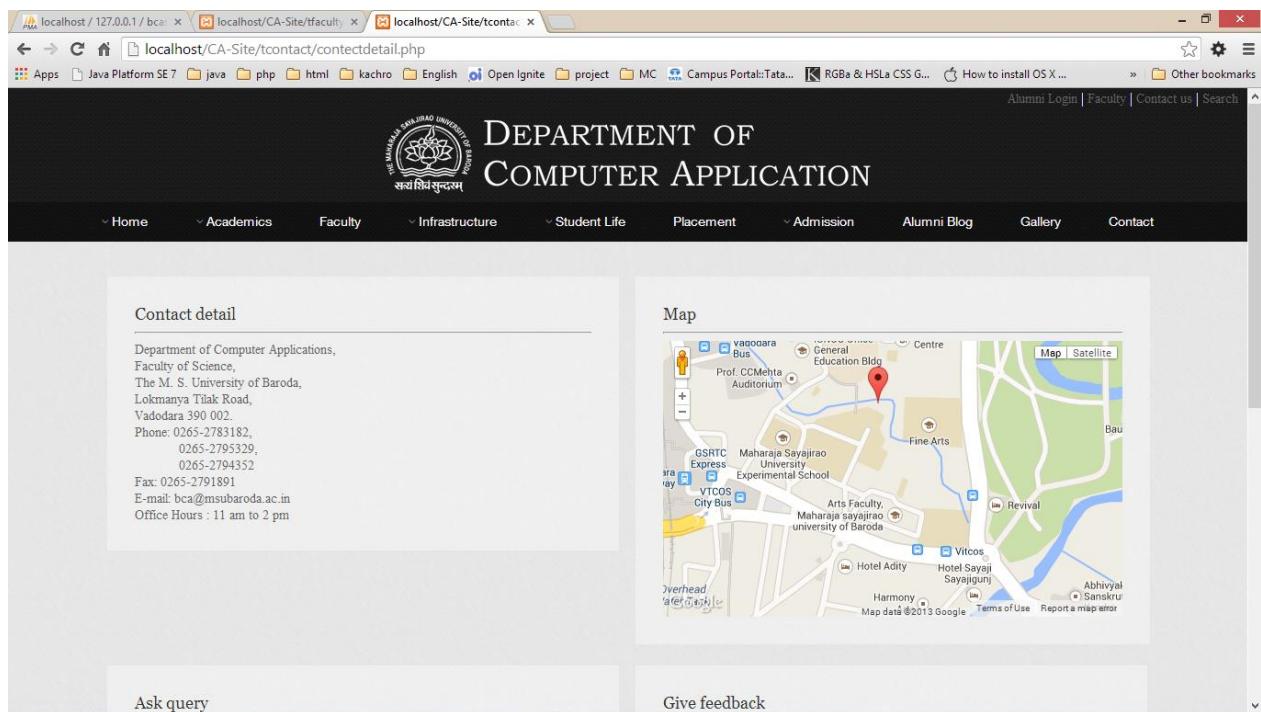
The screenshot shows a web browser window with three tabs open. The active tab is 'localhost/CA-Site/tblog/bloglist.php'. The page header features the university's logo and the text 'DEPARTMENT OF COMPUTER APPLICATION'. A navigation bar below includes links for Home, Academics, Faculty, Infrastructure, Student Life, Placement, Admission, Alumni Blog, Gallery, and Contact. The main content area displays two blog posts. The first post, titled 'Updating course' (September 1st, 2013, by Ritvik Dhangani), includes a profile picture of the author and a snippet of text: "When a department changes courses almost every year, it can be a little difficult for a student and it was for me too. But as a result I came out with more breadth of knowledge than my peers in Engineering and with a skill to adapt fast to changes. This has been a boon for me to keep up with...". A 'Read more...' link is present. The second post, titled 'Great opportunity' (December 2nd, 2013, by Ritvik Dhangani), also includes a profile picture and a snippet of text: "Studying in MSU BCA, certainly gave me an edge, as the rapidly evolving course helped me touch and learn a lot of new concepts. The course structure is actually very grueling, but when you compare where you were at the start of the course and where you reach at the end, you fill a s...". A 'Read more...' link is present.

The screenshot shows the same web browser window with the 'localhost/CA-Site/tblog/bloglist.php' tab active. The main content area displays the same two blog posts as the previous screenshot. Below the posts, there is a decorative graphic of three interlocking gears. The footer of the page contains the university's logo, the text 'Department of Computer Applications, Faculty of Science, The M. S. University of Baroda, Lokmanya Tilak Road, Vadodara 390 002, सत्यं शिवं मुद्दरम्', and links for Google Apps, e-Services, Moodle, Employment, Contact Us, and Sitemap. On the right side of the footer, there are social media links: 'LIKE US ON FACEBOOK' with a Facebook icon, 'FOLLOW US ON TWITTER' with a Twitter icon, and 'WATCH US ON YOUTUBE' with a YouTube icon. The footer also includes a copyright notice: 'Copyrights © 2013. The Maharaja Sayajirao University of Baroda.' and a note about site optimization: 'Development Team | Site optimized for firefox, chrome, safari, opera'.

Gallery Page



Contact Page



Ask query

Name:

Email:

Query(300 character)
Write your query here

Give feedback

Name:

Email:

Feedback(300 character)
Write your feedback here

Department of Computer Applications,
Faculty of Science,
The M. S. University of Baroda,
Lokmanya Tilak Road,
Vadodara 390 002.

Google Apps
e-Services
Moodle
Employment
Contact Us
Sitemap

LIKE US ON FACEBOOK

FOLLOW US ON TWITTER

WATCH US ON YOUTUBE

Alumni Portal Page

DEPARTMENT OF COMPUTER APPLICATION

Welcome to Alumni Portal

Please Sign in to continue

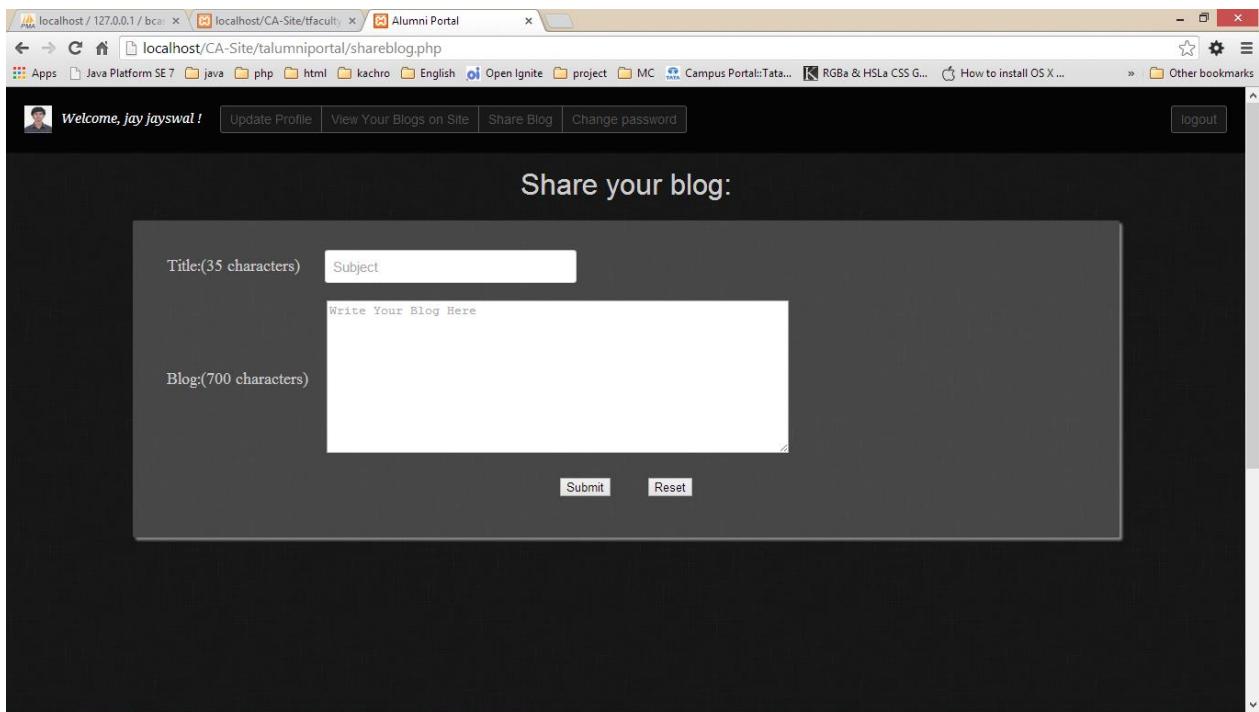
Username

Password

Sign in

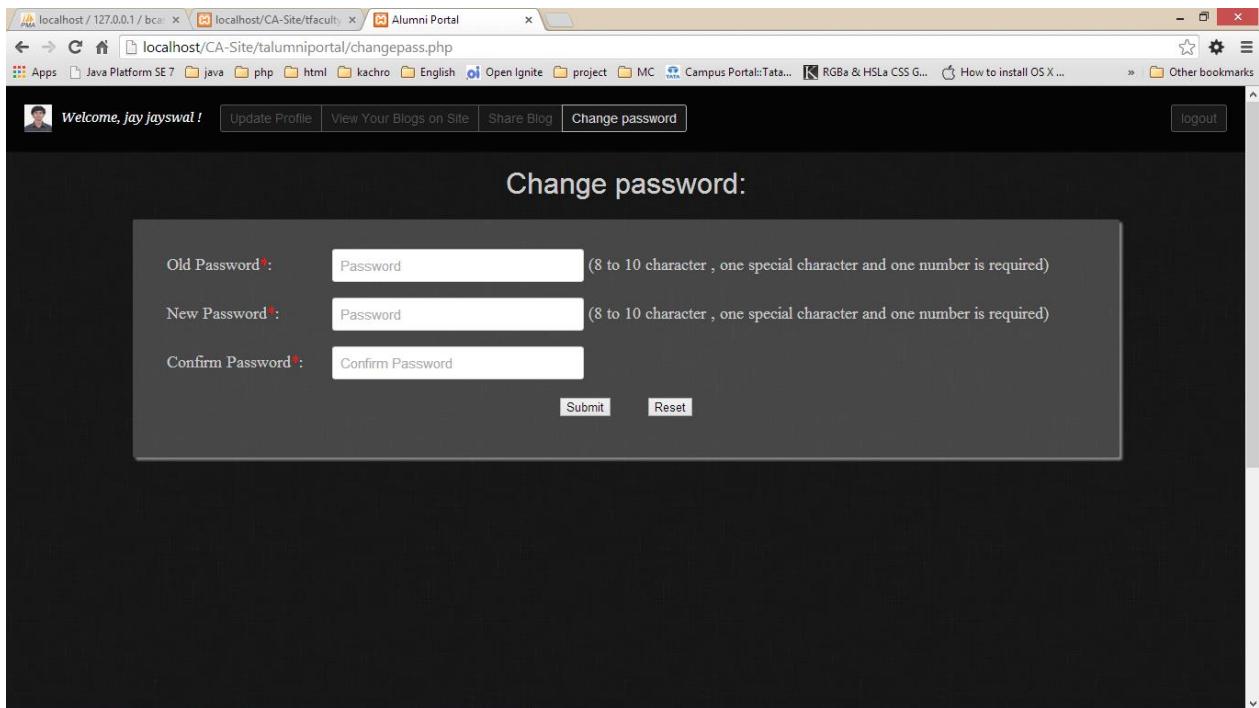
Still not Registered??? [Sign Up here.](#)

Share Blog Page



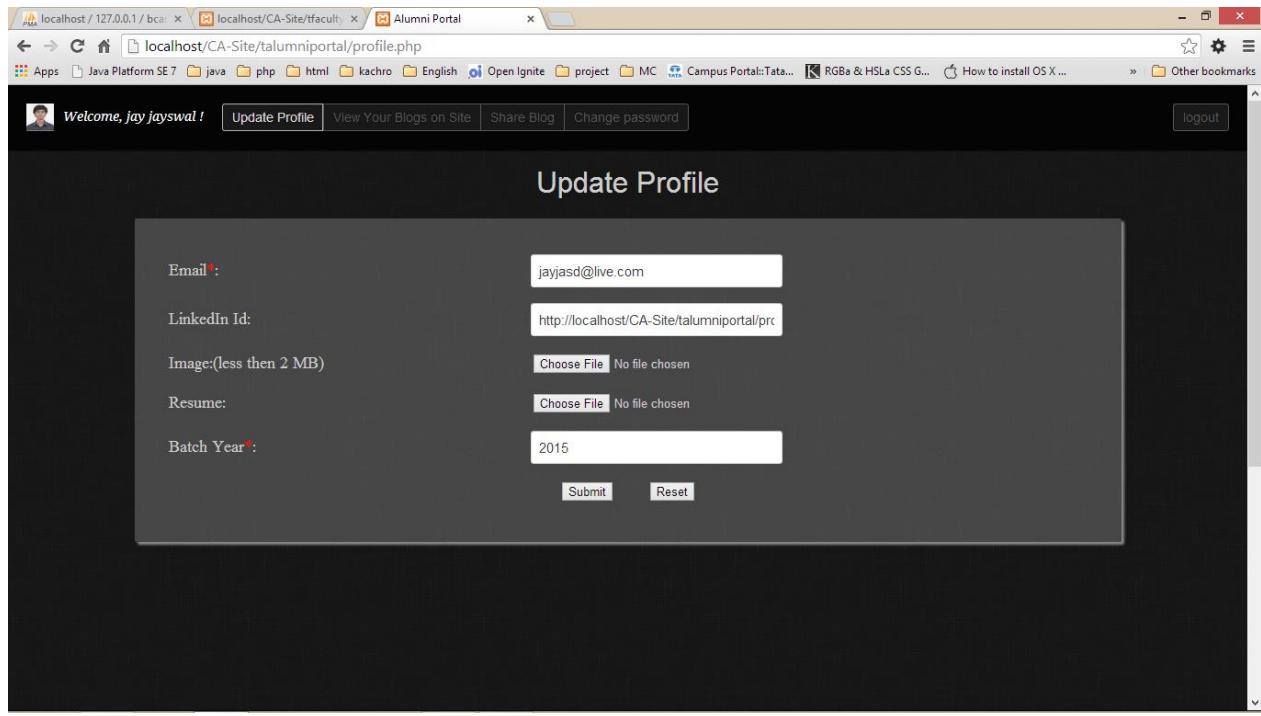
A screenshot of a web browser window showing the 'Share Blog' page. The title bar says 'localhost / 127.0.0.1 / bca' and 'localhost/CA-Site/tfaculty'. The main content area has a dark background with a light gray form. At the top, it says 'Share your blog:'. Below that is a 'Title:(35 characters)' input field, a 'Subject' input field, and a large 'Write Your Blog Here' text area. Underneath is a 'Blog(700 characters)' input field. At the bottom are 'Submit' and 'Reset' buttons.

Change Password Page



A screenshot of a web browser window showing the 'Change password' page. The title bar says 'localhost / 127.0.0.1 / bca' and 'localhost/CA-Site/tfaculty'. The main content area has a dark background with a light gray form. It says 'Change password:' at the top. There are three input fields: 'Old Password*' with a note '(8 to 10 character , one special character and one number is required)', 'New Password*' with a note '(8 to 10 character , one special character and one number is required)', and 'Confirm Password*' with a note 'Confirm Password'. At the bottom are 'Submit' and 'Reset' buttons.

Update Profile Page

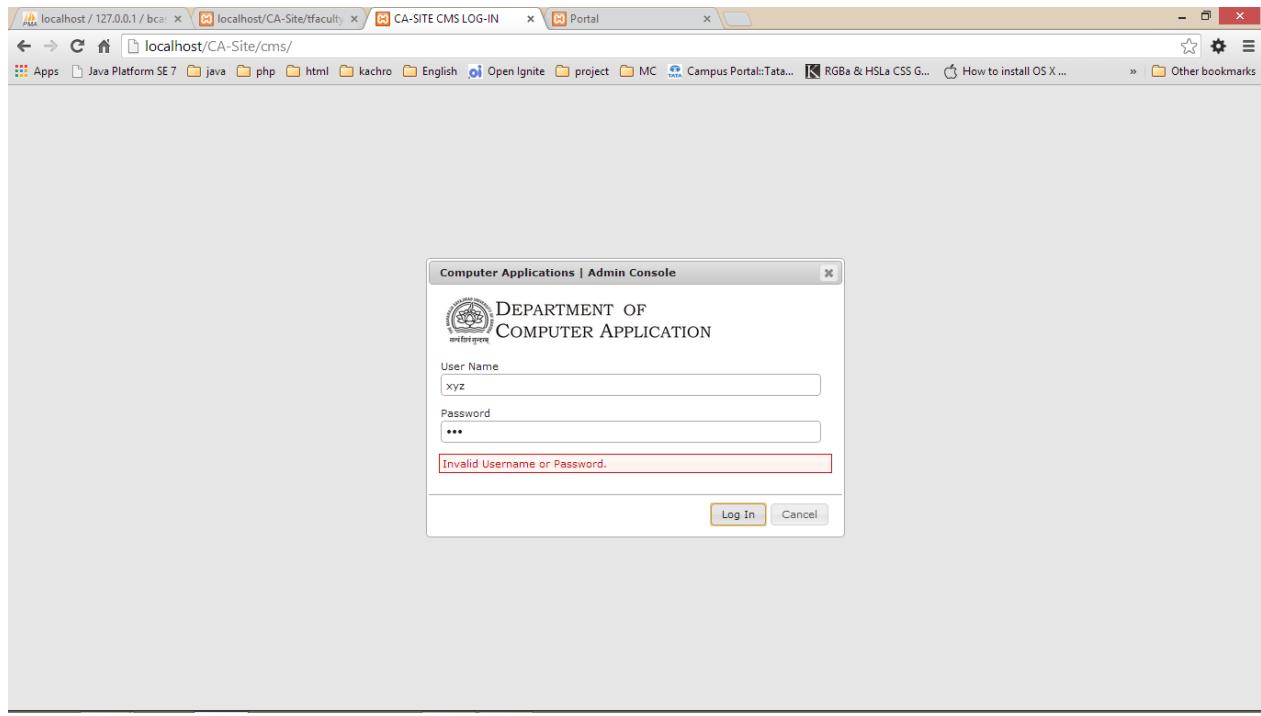


A screenshot of a web browser showing the 'Update Profile' page. The URL in the address bar is `localhost/CA-Site/talumniportal/profile.php`. The page has a dark header with a user profile picture and the text 'Welcome, jay jayswal !'. Below the header, there are several input fields for updating a profile:

- Email*:
- LinkedIn Id:
- Image:(less then 2 MB) No file chosen
- Resume: No file chosen
- Batch Year*:

At the bottom of the form are two buttons: 'Submit' and 'Reset'.

CMS Login Page



A screenshot of a web browser showing the 'CA-SITE CMS LOG-IN' page. The URL in the address bar is `localhost/CA-Site/cms/`. A modal dialog box titled 'Computer Applications | Admin Console' is displayed. The dialog shows the logo of the Department of Computer Application and the text 'DEPARTMENT OF COMPUTER APPLICATION'. It contains two input fields: 'User Name' with the value 'xyz' and 'Password' with the value '***'. Below the password field is an error message: 'Invalid Username or Password.' At the bottom of the dialog are 'Log In' and 'Cancel' buttons.

CMS Homepage

This screenshot shows the CMS homepage. At the top, there is a navigation bar with tabs: 'localhost / 127.0.0.1 / bca', 'localhost/CA-Site/tfaculty', 'CMS', and 'Portal'. Below the navigation bar is a user profile section with the name 'JJAYSWAL'. On the left side, there is a sidebar menu with the following items:

- News-Events
- Course Detail
- General Detail** (selected)
- Department Detail
- Credit System
- Admission Detail
- Contact Detail
- Faculty_Detail
- Faculty Designation
- SPC Executive

The main content area features the logo of The Maharaja Sayajirao University of Baroda and the text 'DEPARTMENT OF COMPUTER APPLICATION'.

This screenshot shows the CMS homepage with a dropdown menu for user actions. The menu is triggered by the user's name 'JJAYSWAL' in the top right corner. The menu options are 'Change password' and 'Logout'.

Add News/Events Page

Date*: dd-mm-yyyy

Description*:

URL :

Type: CA CASA

Submit Reset

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Manage News/Events Page

ID	Date	Description	URL	Type	update	delete
117	2013-11-18	The workshop focused on installation and configuration of Red Hat Enterprise Virtualization and live migration was demonstrated.	http://e5.onthehub.com/WebStore/ProductsByMajorVersionList.aspx?ws=a30233d2-abb4-e011-98a6-f04da23e67f6&vsro=8&JSEnabled=1	CA	update	delete
118	2013-11-18	Workshop on Amazon Web Services was conducted.	http://e5.onthehub.com/WebStore/ProductsByMajorVersionList.aspx?ws=a30233d2-abb4-e011-98a6-f04da23e67f6&vsro=8&JSEnabled=1	CA	update	delete
120	2013-11-01	Microsoft Technology Associate workshop & certification exam was conducted successfully.	http://wowzapp2012vadodaraindia.eventbrite.co.uk/	CA	update	delete
121	2013-10-04	Workshop on Wireless and Mobile Systems with Applications was conducted by Dr. Dharma Agrawal (Distinguished Professor & Director, Center of Distributed and Mobile Computing at University of Cincinnati)	http://e5.onthehub.com/WebStore/ProductsByMajorVersionList.aspx?ws=a30233d2-abb4-e011-98a6-f04da23e67f6&vsro=8&JSEnabled=1	CA	update	delete
123	2013-08-16	Seminar on iphone programming was conducted by TOPS technologies.	http://www.rishabhssoft.com/	CA	update	delete
124	2013-08-16	5 day workshop on Metro Style Application Development for Windows 8 is scheduled to be conducted by Microsoft.	http://www.rishabhssoft.com/	CA	update	delete
111	2013-10-07	Software freedom day was celebrated.	http://www.rishabhssoft.com/	CASA	update	delete

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Add Alumni Page

The screenshot shows a web browser window with the URL localhost/CA-Site/cms/alumni_user_view.php?id=ritvik. The page title is "Portal". The navigation bar includes links for ADD ALUMNI and MANAGE ALUMNI USERS. On the right, there is a "USER" section. The main content area displays a profile picture of a woman and a "view resume" link. Below the profile are several input fields for adding a new alumni record:

- Username*: manalisarkar
- First Name*: manali
- Last Name*: sarkar
- Email*: 2310@gmail.com
- Linkedin Id: http://localhost/CA-Site/alumniportal/alumni_add_form.php
- Batch Year*: 2014
- Status*: Approved

At the bottom, a copyright notice reads: Copyrights © 2013, The Maharaja Sayajirao University of Baroda.

Manage Queries Page

The screenshot shows a web browser window with the URL localhost/CA-Site/cms/query_give_reply.php?id=4. The page title is "Portal". The navigation bar includes links for MANAGE QUERIES. On the right, there is a "USER" section. The main content area features the logo of The Maharaja Sayajirao University of Baroda and the text "DEPARTMENT OF COMPUTER APPLICATION".

The form fields for managing a query reply are:

- Query ID*: 4
- Time/Date*: 2013-11-05 17:35:42
- Name*: asd
- Email*: sdds
- Query*: dslsldikajsds
- Reply*: (empty text area)

At the bottom, there are "Submit" and "Reset" buttons, and a copyright notice: Copyrights © 2013, The Maharaja Sayajirao University of Baroda.

Manage Horizon Page

The screenshot shows a web application titled "Manage Horizon Page". At the top, there is a navigation bar with tabs for "ADD HORIZON ISSUE" and "MANAGE HORIZON ISSUE". Below the navigation bar is the university's logo and the text "DEPARTMENT OF COMPUTER APPLICATION". The main content area displays a table with the following data:

Id	Horizon Issue	update	delete
3	Horizon 1.0	update	delete
4	Horizon 2.0	update	delete
5	Horizon 3.0	update	delete
6	Horizon 4.0	update	delete
7	Horizon 5.0	update	delete
8	Horizon 5.1	update	delete
9	Horizon 5.2	update	delete

At the bottom of the page, there is a footer with the text "Copyrights © 2013, The Maharaja Sayajirao University of Baroda".

7. TESTING

Software testing is the process used to help identify the correctness, completeness, security and quality of developed computer software. With that in mind, testing can never completely establish the correctness of arbitrary computer software in other words; testing is criticism or comparison that is comparing the actual value with an expected one.

Test case Id	Test case	Expected Input	Desired Output	Actual Output	Remark
TC - 01	Alumni Invalid Login	Invalid username or password	Show massage Invalid login	Error massage	Successful
TC - 02	On CMS login Page navigation based on role	Username and password	Navigate to respective home page based on role	Page navigating to home page	Successful
TC - 03	Slider photo share with only .jpg format	Try to upload .png file	Show error massage	Error massage alert	Successful
TC - 04	Alumni registration photo require	Try to submit form without photo	Show error massage	Error massage alert	Successful
TC - 05	Check duplicate course id	Insert course with duplicate id	Show error massage	Error massage	Successful
TC - 06	Login in CMS with faculty login and try to access admin panel with URL	Faculty login in CMS	Access Denied	Navigate to Access denied page	Successful
TC - 07	Alumni change password with invalid old password	Invalid old password	Error massage	Error message alert	Successful

Test case Id	Test case	Expected Input	Desired Output	Actual Output	Remark
TC - 08	Access ajax page of any tab	Ajax page URL	Redirect to index page	Navigate request to index page	Successful
TC - 09	Delete faculty from CMS then all qualification and experience of that faculty automatically deleted	Delete faculty with admin login	All qualification and experience of that faculty automatically deleted	Experience and qualification is deleted	Successful

8. BIBLIOGRAPHY

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