



CREATIVE ACADEMY

Submitted by

MONIRUL ISLAM AKAND
ID: 171-35-1812
Department of Software Engineering
Daffodil International University

Supervised by

Asif Khan Shakir
Lecturer (Senior Scale)
Department of Software Engineering
Faculty of Science & Information Technology
Daffodil International University

Fall – 2020

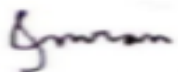
This project (SWE 431) submitted in fulfillment of the requirements for the degree of
BSc in Software Engineering

Copyright© 2021 by Daffodil International University

APPROVAL

This project titled “Creative Academy” submitted by Monirul Islam Akand, ID: 171-35-1812 to the department of Software Engineering, Daffodil International University has been accepted as appeasement for the partial fulfillments for the requirements of the degree of B.Sc. in Software Engineering and approved as its style and contents.

BOARD OF EXAMINERS



Dr. Imran Mahmud
Associate Professor and Head
Department of Software Engineering
Faculty of Science and Information Technology
Daffodil International University

Chairman



K. M. Imtiaz-Ud-Din
Assistant Professor
Department of Software Engineering
Faculty of Science and Information Technology
Daffodil International University

Internal Examiner 1



Md Fahad Bin Zamal
Assistant Professor
Department of Software Engineering
Faculty of Science and Information Technology
Daffodil International University

Internal Examiner 2



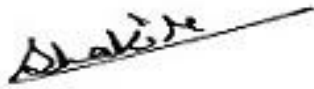
Professor Dr. Md. Nasim Akhtar
Professor
Department of Computer Science and Engineering
Dhaka University of Engineering and Technology, Gazipur

External Examiner

DECLARATION

I hereby declare that this project has been done by me under the supervisor of **Asif Khan Shakir**, Lecturer (Senior Scale), Department of Software Engineering, Daffodil International University. I further declare that this project or any part of this project has not been submitted elsewhere for obtaining a degree.

Supervised by:



Asif Khan Shakir

Lecturer (Senior Scale)
Department of Software Engineering
Faculty of Science and Information Technology
Daffodil International University

Submitted by:



Monirul Islam Akand

ID: 171-35-1812
Batch: 22nd
Department of Software Engineering
Faculty of Science and Information Technology
Daffodil International University

ACKNOWLEDGEMENT

At First, I would like to express my sincere thanks and gratitude to Almighty God who enabled me to complete this project successfully.

I would wish to express my wholehearted gratitude to **Dr. Imran Mahmud, Associate Professor and Head In-charge**, Department of SWE at Daffodil International University and all the staff for their profound support in completing my project.

I am deeply grateful to **Asif Khan Shakir, Lecturer** (Senior Scale), Department of SWE, Daffodil International University. His constructive critique, valuable advice, many drafts and corrections at all these stages made this project possible because my supervisor had a deep knowledge and interest in web programming.

Lastly, I am grateful to my parents, family members, all teachers and friends for their understanding, encouragement and unwavering support throughout my studies.

ABSTRACT

The "Creative Academy" is a web-based project that will help IT students take classes in IT courses of their choice online. Students can learn about IT courses from home from this platform. In addition, this system will play an important role in the global epidemic of Covid-19 among students. My system will help students to take IT courses of their choice, watch course videos, read blog posts related to the course, and check the problem. Read the necessary documents and above all the course teacher will provide all kinds of support to them. In Bangladesh, this system will only help IT, students to play a major role in acquiring IT course knowledge.

Table of Content

APPROVAL	i
DECLARATION	ii
ACKNOWLEDGEMENT.....	iii
ABSTRACT.....	iv
TABLE OF CONTENTS.....	v
LIST OF TABLE.....	viii
LIST OF FIGURES.....	ix
LIST OF ABBREVIATION	x
CHAPTER 1: INTRODUCTION	01
1.1 Project Overview.....	01
1.2 Project purpose	01
1.2.1 Background	01
1.2.2 Benefits & Beneficiaries.....	02
1.2.3 Goal	02
1.3 Stakeholders	02
1.4 Proposed system model.....	03
1.5 Project schedule.....	04
1.5.1 Gantt chart.....	04
1.6 Release Plan.....	04
CHAPTER 2: SOFTWARE REQUIREMENT SPECIFICATION	05
2.1 Functional Requirements.....	05
2.2 Non-Functional Requirement	10
2.3 Performance Requirements.....	10
2.3.1 Speed and Latency Requirements.....	10
2.3.2 Accuracy Requirements.....	11
2.3.3 Capacity Requirements	11
2.4 Dependability Requirements.....	11
2.4.1 Reliability Requirements.....	11
2.4.2 Availability Requirements.....	12
2.4.3 Maintainability Requirements	12
2.5 Security System Requirements.....	12
2.5.1 Access Requirements.....	12
2.5.2 Integrity Requirements.....	12
2.5.3 Privacy Requirements.....	12

2.6 Usability and Human-Interaction Requirements.....	13
2.6.1 Ease of use Requirements.....	13
2.6.2 Understand Ability Requirements.....	13
2.6.3 Accessibility Requirements.....	13
2.6.4 User Documentation Requirements.....	13
2.6.5 Training Requirements.....	13
2.7 Look and Feel Requirements.....	14
2.7.1 Apperance Requirements.....	14
2.7.2 Style Requirements.....	14
2.8 Operational and Environmental Requirements.....	14
2.8.1 Expected physical Requirements.....	14
2.8.2 The Requirements for Interfacing Adjacent System.....	14
2.9 Legal Requirements.....	14
2.9.1 Compliance Requirements.....	14
2.9.2 Standard Requirements.....	14
CHAPTER 3: SYSTEM ANALYSIS	15
3.1 Use case Diagram.....	15
3.2 Use Case Description (for each use case).....	19
3.3 Activity Diagram (for each use case).....	42
3.4 Sequence Diagram.....	60
CHAPTER 4: SYSTEM DESIGN SPECIFICATION	67
4.1 ER Diagram.....	67
4.2 Class Diagram.....	68
4.3 Developments Tools & Technology.....	69
4.3.1 User Interface technology.....	69
4.3.2 Implementation Tools and Platforms.....	69
CHAPTER 5: SYSTEM TESTING	70
5.1 Introduction.....	70
5.1.1 Features to be tested.....	70
5.2 Testing Schedule.....	71
5.3 Testing Strategy.....	71
5.3.1 Test Approach.....	71
5.3.2 Pass or Fail Criteria.....	71
5.4 Test Cases.....	72
5.5 Testing Environment (hardware/software requirements).....	74

CHAPTER 6: USER MANUAL	75
6.1 User manual (Students).....	75
6.2 User manual (Admin).....	82
6.3 User manual (Teachers).....	92
CHAPTER 7: CONCLUSION.....	95
7.1 GitHub Link.....	95
7.2 Project Summary.....	95
7.3 Limitation.....	95
7.4 Obstacles & Achievement Obstacles.....	95
7.5 Future Scope.....	95
REFERENCES	96
PLAGIARISM REPORT	97

List of Tables

Point	Name of figures	Page no
Table 2.1	Functional requirements	05
Table 2.2	Non functional requirements	10
Table 5.1	Features to be tested	70
Table 5.2	Testing Schedule	71
Table 5.3	Test Case 1	72
Table 5.4	Test Case 2	72
Table 5.5	Test Case 3	73
Table 5.6	Test Case 4	74
Table 5.7	Test Case 5	74

List of Figures

Point	Name of figures	Page no
Figure 1.1	Proposed model diagram	03
Figure 1.2	Gant chart	04
Figure 3.1-3.5	Use case	15-18
Figure 3.6- 3.25	Activity Diagram	42-59
Figure 3.26-3.37	Sequence diagram	60-66
Figure 4.1	ER diagram	67
Figure 4.2	Class diagram	68

List of Abbreviations

FR= Functional Requirements

NFR=Non-Functional Requirements

CHAPTER 1

INTRODUCTION

1.1 Project Overview

In the last few years, there have been many far-reaching improvements in the education system of Bangladesh which is beneficial for our country. At present Bangladesh is at a tolerable level but students are leaning towards online classes despite the closure of all educational institutions including schools and colleges.

In addition to special development in the IT sector in the education system of Bangladesh, there is a need to provide specific guidelines for IT courses and to introduce good quality online courses based on the courses. Especially in the IT sector, there will be a need for specialized teaching guidelines related to the core programming language that teachers will handle a particular skill.

Through this system, IT students in Bangladesh will have the opportunity to work online in IT courses as well as project-based work that will bring benefits to their workplace.

1.2 Project Purpose

The "**Creative Academy**" is a web-based project that will help IT students take classes in the IT course of their choice online. Students will take IT courses from home from this platform. Besides, the system will play an important role in Covid-19's global epidemic students. My system will help students take the IT course of their choice, watch course videos, read blog posts related to the program, and investigate the problem. Read the necessary documents, and above all the course teacher will provide all kinds of support to them. The administrator will be able to make significant changes to the system. In Bangladesh, this system will only help IT, students to play a significant role in acquiring IT course knowledge.

1.2.1 Background

Already I have said that the need for specialized teaching guidelines related to the main programming language especially in the IT sector should be further clarified. Because students move away from the original programming language. Students are moving away from problem-solving, problem testing programs. Some platforms in Bangladesh are not too concerned about programming. I think "Creative Academy" will be a self-reliant platform through which students will get a better direction.

1.2.2 Benefits & Beneficiaries

My proposed project is “Creative Academy” which will basically help IT students, to do IT courses. It is effective in solving many problems at the same time so I think a lot of people are involved in my work at the same time.

- Student can enroll any IT Courses.
- Student can easily pay payment.
- Student can go classroom & see Enroll Courses.
- Student can study in core programming languages.
- Admin can track easily the visitor & student information.
- Student can download & submit problem set, file document.
- Admin save all student & teacher Information.
- Admin can easily release a new course.
- Teacher can easily upload course videos in video platform.
- Student
- Teacher
- Admin
- User/Visitor

1.2.3 Goals

My goal is to help IT students by launching online courses and making the payment process easier. Because many students cannot pay easily. Through my project, the admin can easily track the visitor's information and the teacher can easily manage his activities. So, I just want to help them through my project.

1.3 Stakeholders

In my project, I have defined four stakeholders. They are Student, Teacher, Admin & Visitor.

1.3.1 Student

Students can choose the courses of their choice through this online course system. He will then be admitted to the registration and course with some information and at the same time, he will enter the course panel with his desired information. He will then study the necessary video tutorials, course materials from the course panel. He will then be able to upload the problem solution and he will also be able to respond to the course.

1.3.2 Teacher

Teachers will play a special role in the online course; they will add course-based modules as well as all the procedures for the students. For example, upload a link to a video tutorial, let the problem be solved, send a message, attach the necessary files.

1.3.3 Visitor

In my system, visitors can only view the course, view the details of the course, read the blog post. However, visitors can ask questions if they want.

1.3.4 Admin

In this system the admin himself will define all the processes for academic purposes when a new course is started and all the information of the visitors will be included in the system. For example, if he wants to start a new course, he will add, save all the data of teachers and students, he can delete some information if he wants.

1.4 Proposed System Model (Transferring Data Using DB Connect)

The diagram below shows how users will communicate with the proposed system:

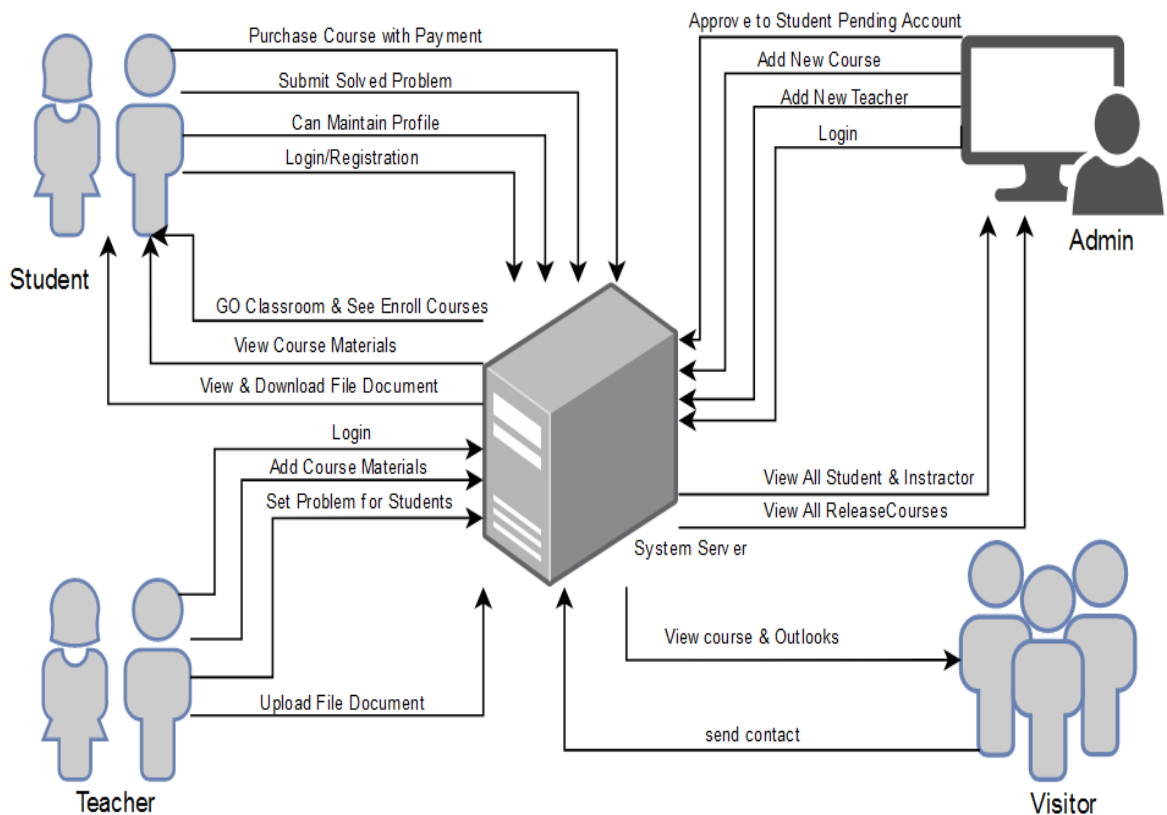


Figure 1.1: Proposed System model

1.5 Project Schedule
1.5.1 Gantt Chart

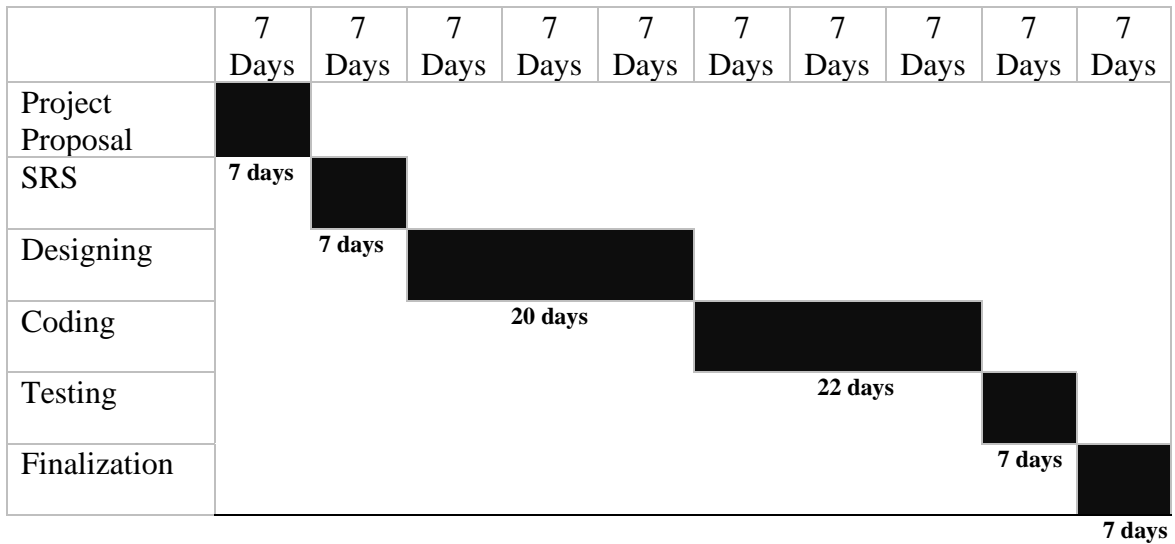


Figure 1.2: Gantt chart for creative academy

1.6 Release Plan

After development, this web application “Creative Academy” will be launched on August 05, 2021.

CHAPTER 2

SOFTWARE REQUIREMENT SPECIFICATION

2.1 Functional Requirement

The functional requirement helps to capture the purposeful behavior of the system. so, I discuss about my project's functional requirements.

Table 2.1: Functional Requirements

FR-01	Registration for users		
Description	Student can create a new account by providing the required information through the registration form. The user must complete the registration by clicking the "Register" button from the home page.		
Functional/ Non Functional	Functional		
Stakeholders	Student	Priority	High

FR-02	Login for authenticate users		
Description	Authenticate users can login to the system by using email and pass. Student can login with their mobile no and password.		
Functional/ Non Functional	Functional		
Stakeholders	Student, Admin, Teacher	Priority	High

FR-03	Logout for authentic users		
Description	Authenticate users can logout from the system by clicking “logout” button.		
Functional/ Non Functional	Functional		
Stakeholders	Student, Admin, Teacher	Priority	High

FR-04	Can add new course release		
Description	Admin can create a new course by providing required information. The user needs to submit a request post by clicking “Add New” button.		
Functional/ Non Functional	Functional		
Stakeholders	Admin	Priority	High

FR-05	Choose any IT course for enroll		
Description	Student can choose courses in the Homepage. But all the other courses are on the homepage course page.		
Functional/ Non Functional	Functional		
Stakeholders	Student	Priority	High

FR-06	Apply for purchase course with payment		
Description	In order for a student to be enrolled in the course, he / she must make payment and click on confirm purchase button with required information.		
Functional/ Non Functional	Functional		
Stakeholders	Student	Priority	High

FR-07	Approve to student pending account		
Description	Requests submitted by students for enrollment in the course will be approved by the admin.		
Functional/ Non Functional	Functional		
Stakeholders	Admin	Priority	High

FR-08	Go classroom & see the enroll course		
Description	Students can go to the classroom and see the enrolled courses.		
Functional/ Non Functional	Functional		
Stakeholders	Student	Priority	High

FR-09	Can add course materials		
Description	Each course teacher will upload the required video, source code in his course.		
Functional/ Non Functional	Functional		
Stakeholders	Teacher	Priority	High

FR-10	Can update course materials		
Description	If the course teacher wants, he can update the course material.		
Functional/ Non Functional	Functional		
Stakeholders	Teacher	Priority	High

FR-11	Can view course materials		
Description	Students will be able to view the course material according to their needs.		
Functional/ Non Functional	Functional		
Stakeholders	Student	Priority	High

FR-12	Can track visitor & student IP address		
Description	Admin will keep track of necessary information of visitors and students. Every time a visitor visits the site, his IP address will be saved. The admin will save the student's login date and time.		
Functional/ Non Functional	Functional		
Stakeholders	Admin	Priority	High

FR-13	Can add course instructor		
Description	Admin will include the new course teacher with the teacher's information by clicking the "Add New" button.		
Functional/ Non Functional	Functional		
Stakeholders	Admin	Priority	High

FR-14	Can view all course instructor		
Description	Admin can view all course instructor. Admin Can view all course teacher by clicking required button.		
Functional/ Non Functional	Functional		
Stakeholders	Admin	Priority	High

FR-15	Can view all student information		
Description	Admin can view all student information. Admin Can view student information by clicking required button.		
Functional/ Non Functional	Functional		
Stakeholders	Admin	Priority	High

FR-16	Can set problem for student		
Description	The course teacher will upload many types of problems to the students along with the course.		
Functional/ Non Functional	Functional		
Stakeholders	Teacher	Priority	High

FR-17	Can download & submit solved problem		
Description	Students can download the problem set by clicking on the “download button”. Then student can solve the problem and upload the file by clicking the “upload button”.		
Functional/ Non Functional	Functional		
Stakeholders	Student	Priority	High

FR-18	Can upload blog post		
Description	Admin can upload the new blog post by clicking the “Save Button”.		
Functional/ Non Functional	Functional		
Stakeholders	Admin	Priority	High

FR-19	Can view blog post		
Description	Students and visitors can view the blog post.		
Functional/ Non Functional	Functional		
Stakeholders	Student, Visitor	Priority	High

FR-20	Can upload file document		
Description	Teacher can upload file document by clicking the “Upload button”.		
Functional/ Non Functional	Functional		
Stakeholders	Teacher	Priority	High

FR-21	Can view & download file document		
Description	Students can download the file document by clicking on the “download button”.		
Functional/ Non Functional	Functional		
Stakeholders	Student	Priority	High

FR-22	Can maintain profile (reset password)		
Description	The student can change the optional information of his profile.		
Functional/ Non Functional	Functional		
Stakeholders	Student	Priority	High

FR-23	Can send contact		
Description	Students and visitors can need to fill in the required fields and click on the “Contact button” if they want to contact.		
Functional/ Non Functional	Functional		
Stakeholders	Student, Visitor	Priority	High

FR-24	Can view contact		
Description	Admin can show all the student contact information by clicking required button.		
Functional/ Non Functional	Functional		
Stakeholders	Admin	Priority	High

FR-25	Can send review		
Description	Students can need to fill in the required fields and click on the “Review Send” Button, if they want to contact.		
Functional/ Non Functional	Functional		
Stakeholders	Student	Priority	High

FR-26	Can view review		
Description	Student, Admin & Visitor can show all the student review by clicking the required button.		
Functional/ Non Functional	Functional		
Stakeholders	Student, Admin, Visitor	Priority	High

2.2 Non-Functional Requirement

Here, I discuss about my project's non-functional requirements.

Table 2.2: Non-Functional Requirements

ID	Name	Description	Non-Functional Requirements	Priority
NF-01	Security	Using token based authentication ,session & Validation.	Non-Functional	High
NF-02	Performance	It is mainly depends on browser, internet & server site issues.	Non-Functional	High
NF-03	Maintenance	It's a way how easy to support, change and enhance the system.	Non-Functional	Medium
NF-04	Accuracy	Data or process requirement concerned with defining the precision which the solution will record data.	Non-Functional	High

2.3 Performance requirements

Performance requirements define how well the system performs under the required condition and fields. It can be justified by measuring the speed of response, throughput, execution time and storage capacity, etc.

2.3.1 Speed and latency Requirements

In some cases, legal requirements will determine the response time. User satisfaction largely depends on the response time to a system. If the system takes more than 10 seconds to load, users will be able to avoid the system.

PR-01	View and post result should be displayed faster		
Description	When the user wants to see any information and want to manage the posts, the result must be shown in less than 3 or 4 second time period.		
Stakeholders	Student, Admin, Teacher, Visitor	Priority	High

2.3.2 Accuracy Requirements

Always should be shown the accurate result for all users. It is not accepted to show any wrong and mismatch information.

PR-02	All Information should be accurate for all user		
Description	When the user wants to see any information then the system must ensure that the provided information is most accurate information.		
Stakeholders	Student, Admin, Teacher, Visitor	Priority	High

2.3.3 Capacity Requirements

We need to create a system that will be able to manage all user, provide accurate information, Handling HTTP requests, including handling databases.

PR-03	This system handle thousands of or much data per month.		
Description	This system will be able to handle thousands of or much more data per month.		
Stakeholders	Student, Admin, Teacher, Visitor	Priority	High

2.4 Dependability Requirements

Dependability is a measure of a system's services to the users. It is based on some criteria.

Those are-

- Reliability
- Availability
- Maintainability

2.4.1 Reliability Requirements

DR-01	System must provide continuity for well service		
Description	All the information providing by the system must be reliable.		
Stakeholders	Student, Admin, Teacher, Visitor	Priority	High

2.4.2 Availability Requirements

DR-02	The availability of the system to deliver services when requested.		
Description	The system must be available 24 hours and must be able to services to the user when requested.		
Stakeholders	Student, Admin, Teacher, Visitor	Priority	High

2.4.3 Maintainability Requirements

DR-03	Ability for easy maintenance		
Description	The system should provide the maintenance issue to the user.		
Stakeholders	Admin	Priority	High

2.5 Security System Requirements

System security is one of the most important requirements. For the lacking of security service, the data could be manipulated. The system can face cyber-attack like denial-of-service attacks. Some security-related categories are Permission to Access data

- Verification
- Security Information
- Security Policies

2.5.1 Access Requirements

To reduce unauthorized access, there have to be some techniques. They are-

- Strong Access Control Measure
- Maintain an Information Security Policy
- Monitor and Test Networks Regularly
- Build and Maintain a Security Network

2.5.2 Integrity Requirements

Ensure that data and communication are not intentionally corrupted via unauthorized creation, deletion and modification. Use hash or crypt value for sensitive data.

2.5.3 Privacy Requirements

Privacy requirements are mostly needed for the system. Which user has access to which type of data should be defined clearly. For doing this the system can be secured.

2.6 Usability and Human-Interaction Requirements

User experience is one of the most important factors to any system. When I am develops my system, they try to make the system easier. That's why the system must be easy to use, easy to understand and easy to learn.

2.6.1 Ease of Use Requirements

The system is very easy to use and easy to understand. There is no long process to complete a task. User can complete any task with only a few steps.

EUR-01	The system must be usable for all type of users		
Description	The system should be usable for the Student, Teacher, Admin. The visitor user can also able to use the system.		
Stakeholders	Student, Admin, Teacher, Visitor	Priority	High

2.6.2 Understand Ability and Politeness Requirements

The system can be used by all types of people. The system will not use any term that is not specified in this web application.

2.6.3 Accessibility Requirements

The system's activities are very user friendly. It is easy to use and understand for the users. There are no access requirements besides those that has been outline in the below:

AR ID	AR Name
AR-01	Login as Admin
AR-02	Login as Student
AR-03	Login as Teacher
AR-04	Logout as Admin
AR-05	Logout as Student
AR-06	Logout as Teacher

2.6.4 User Documentation Requirements

User feedback will be taken and analyzed properly to understand and fulfil their expectations. The requirements will be added to the system after proper analyzation.

2.6.5 Training Requirements

A simple user manual will be provided to the user for training purposes. The system is really easy to understand so extensive training is not required.

2.7 Look and Feel Requirements

User will feel bored to look at a monotonous user interface. Look and feel requirements provide information on how the system will look like and how the user interface or graphical user interface of the system will display to the user.

2.7.1 Appearance Requirements

LFR-01	Mandatory input fields must have visible marking		
Description	If there is any mandatory input field in any form, the field must have visible marking for the user.		
Stakeholders	Student, Admin, Teacher, Visitor	Priority	High

2.7.2 Style Requirements

LFR02	All content must appear within the same format		
Description	Input field and other view results must be shown in a specific format.		
Stakeholders	Student, Admin, Teacher, Visitor	Priority	Medium

2.8 Operational and Environmental Requirements

This requirement focuses on how the users operate the system, include in interfaces and interoperability with other systems. The requirement established how the system can perform under conditions.

2.8.1 Expected Physical Requirements

There are no specific expected physical requirements.

2.8.2 The Requirements for Interfacing Adjacent System

There is no specific interface with adjacent system requirements.

2.9 Legal Requirements

Legal requirements are the rules and regulations set by any institute/organization.

2.9.1 Compliance Requirements

There are no specific compliance requirements.

2.9.2 Standard Requirements

There are no specific compliance requirements.

CHAPTER 3 SYSTEM REQUIREMENT ANALYSIS

3.1 Use Case Diagram

A use case diagram is a representation of a user's interaction with the system that shows the relationship between the user and the different use cases in which the user is involved.

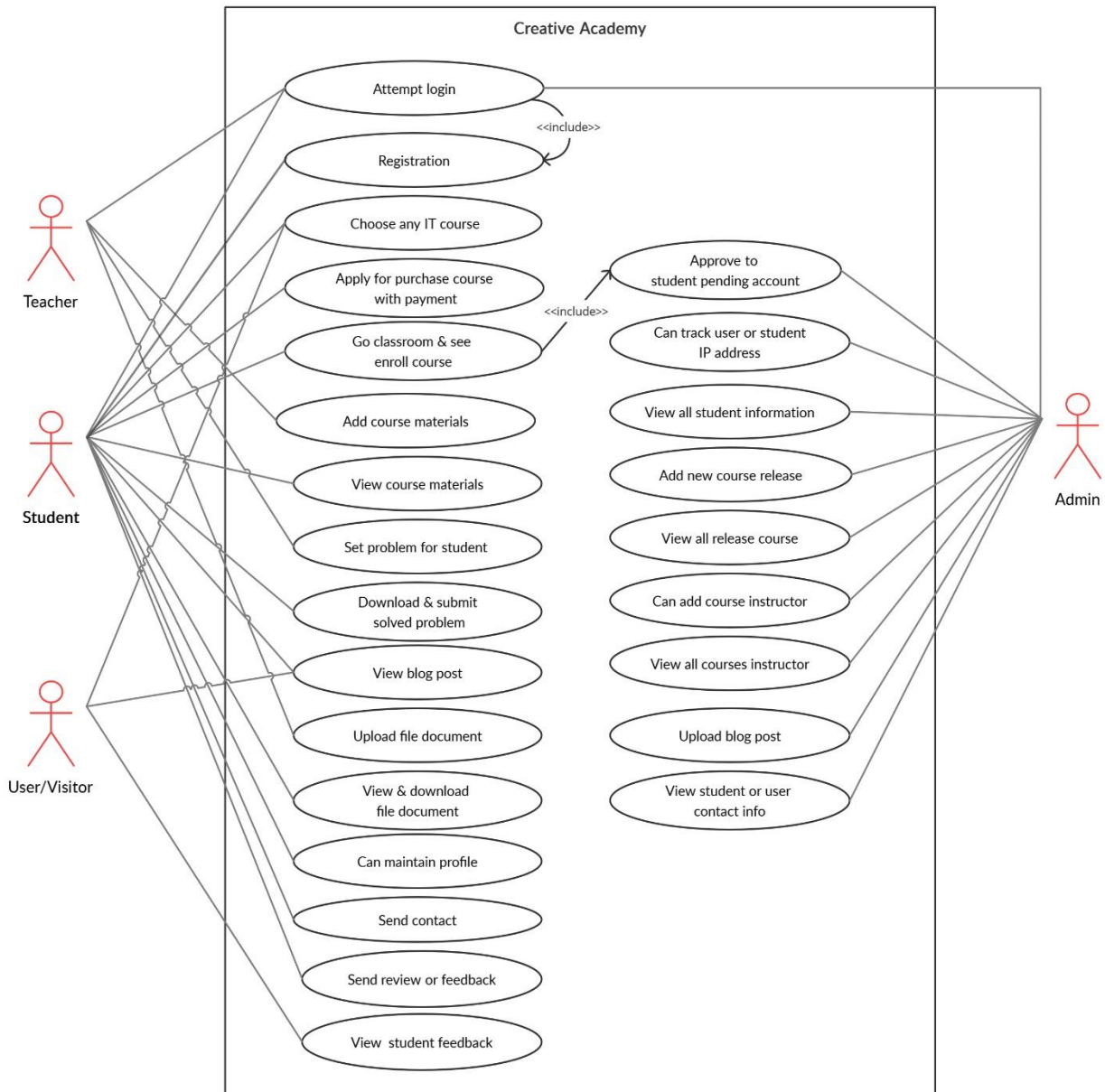


Figure 3.1: Use case diagram for whole system

3.1.1 Use case diagram for student

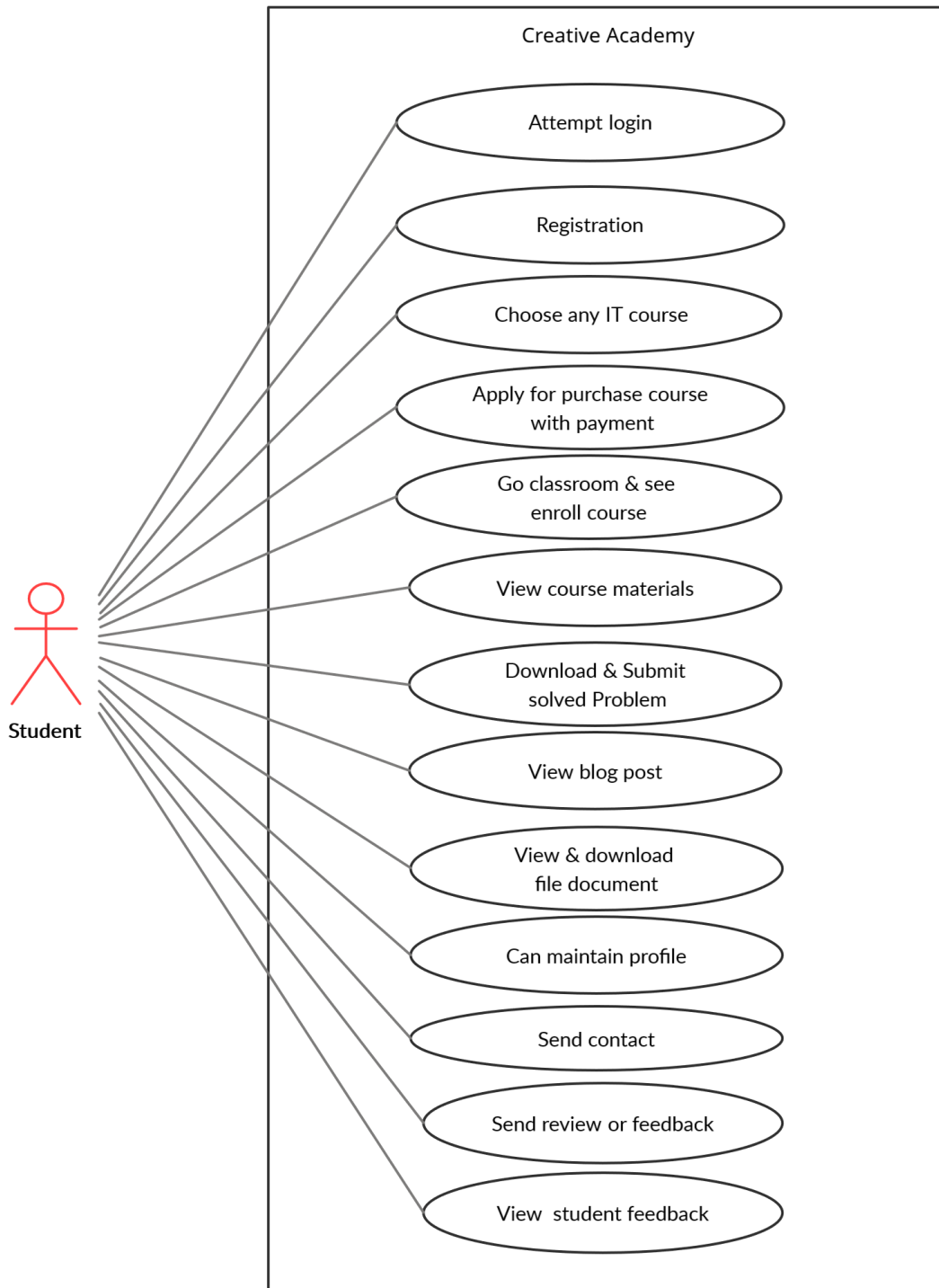


Figure 3.2: Use case diagram for student

3.1.2 Use case diagram for admin

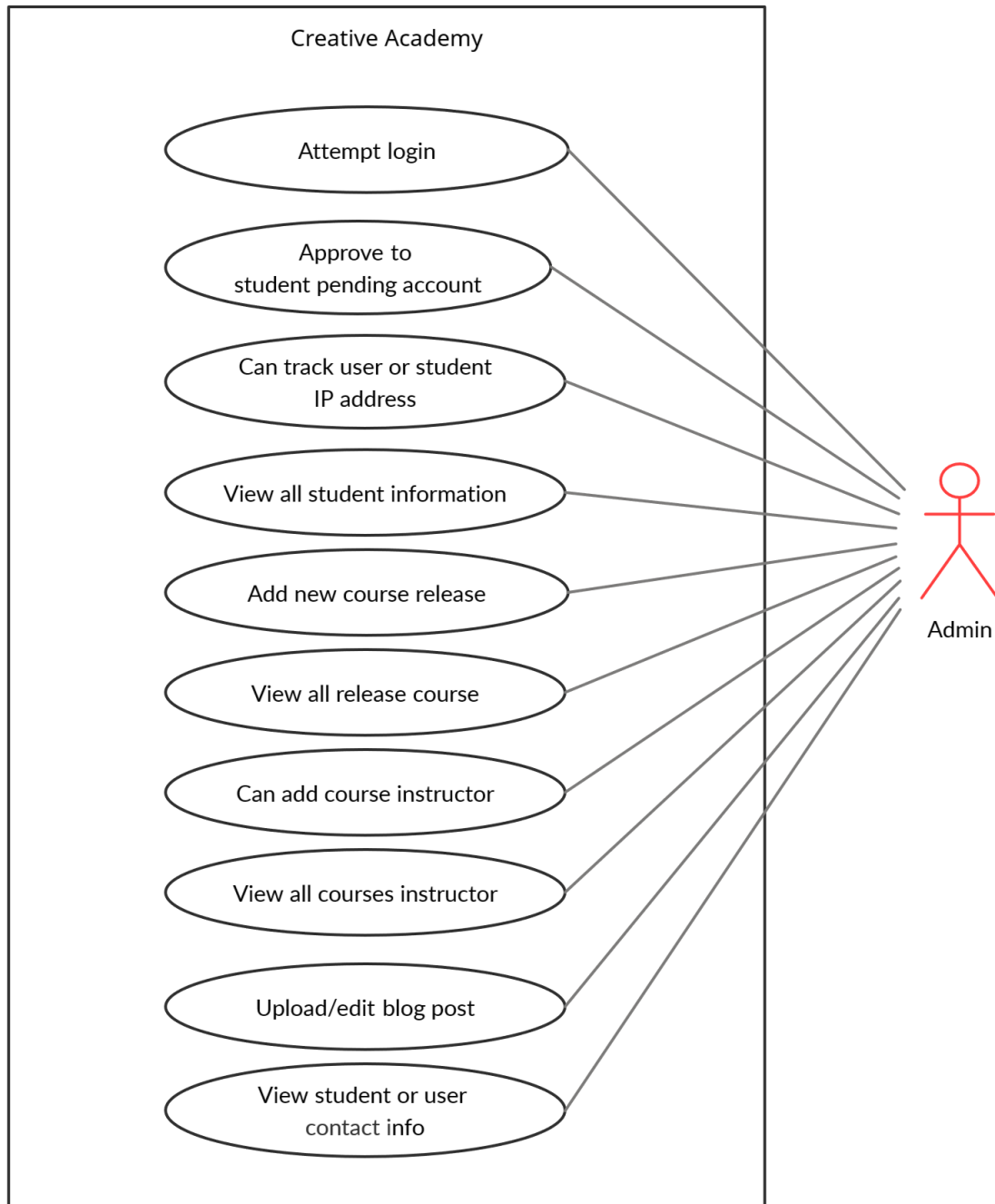


Figure 3.3: Use case diagram for admin

3.1.3 Use Case diagram for teacher

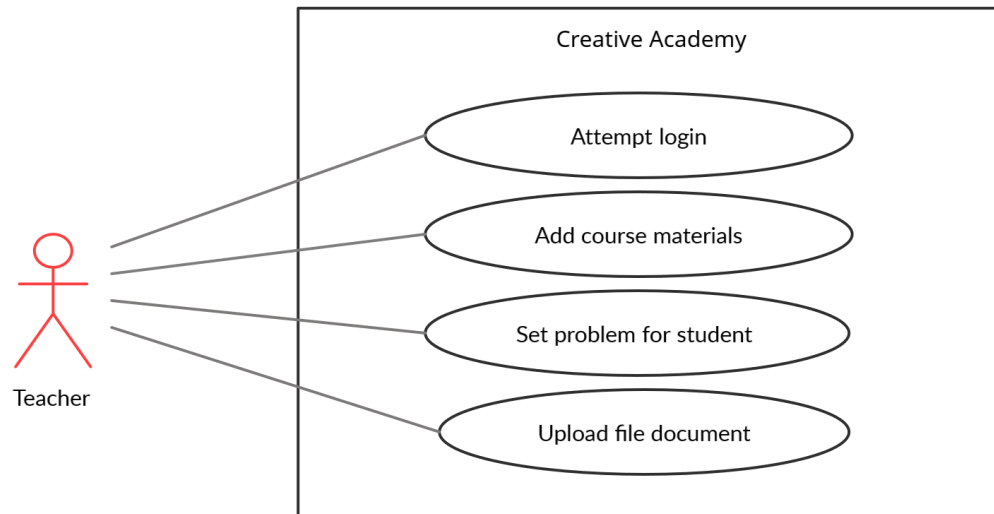


Figure 3.4: Use case diagram for teacher

3.1.4 Use case diagram for visitor

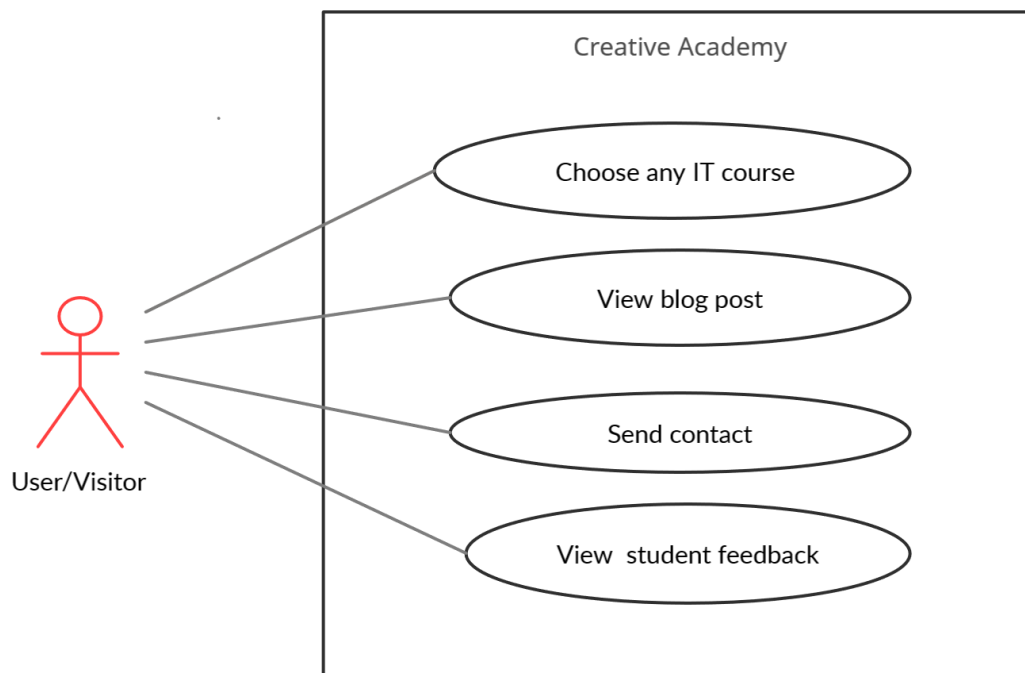


Figure 3.5: Use case diagram for visitor

3.2 Use Case description

3.2.1 Attempt login

Use Case	Login and log out system	
Goal	System Admin (Creative Academy), Students, Teacher can access the system. And finally, Log out.	
Precondition	Registration successfully	
Success End Condition	System Admin (Creative Academy), Students, Teacher can access this system. Can access to user's Dashboard	
Failed End Condition	Display login "failed message"	
Primary Actor	Student, Teacher, Admin	
Secondary Actor	N/A	
Trigger	Access This System	
Description / Main Success Scenario	Step	Action
	1	System will display the Login page
	2	Users fill-up the required fields with correct information
	3	Users clicks on the "Login" button
	4	Users has logged in successfully
Alternative Flows	Step	Branching Action
	1	The user enters his or her phone no and password
Quality Requirements	Step	Requirements
	1	When user login then needs to correct phone no for login and password

3.2.2 Registration

Use Case	Registration	
Goal	Users can create an account successfully	
Precondition	N/A	
Success End Condition	New account is created Successfully	
Failed End Condition	Already have an account with the given Phone Number	
Primary Actor	Student, Teacher	
Secondary Actor	N/A	
Trigger	Click on the “Register” button	
Description / Main Success Scenario	Step	Action
	1	System will display the Registration page
	2	Users fill-up the required/mandatory input fields
	3	Users clicks on the “Registration” button
	4	Users has registered an account successfully. Admin can complete teacher’s registration with the same process.
Alternative Flows	Step	Branching Action
	1	Mandatory / required input fields are not filled in
	2	Registration Failed
Quality Requirements	Step	Requirements
	1	N/A

3.2.3 Apply for purchase course with payment

Use Case	Apply for purchase course with payment	
Goal	Student can purchase course successfully	
Precondition	Should be pay payment (bKash, DBBL) and give the Trx ID in required fields.	
Success End Condition	New course purchase request Successfully	
Failed End Condition	New course purchase failed	
Primary Actor	Student	
Secondary Actor	N/A	
Trigger	Click on the “Purchase Confirm” button.	
Description / Main Success Scenario	Step	Action
	1	System will display the Purchase Details page
	2	Users fill-up the required/mandatory input fields
	3	Users clicks on the “Purchase Confirm” button
	4	Users has purchased course successfully
Alternative Flows	Step	Branching Action
	1	If the payment track ID is not valid.
	2	Course purchase failed
Quality Requirements	Step	Requirements
	1	N/A

3.2.4 Approve to student pending account

Use Case	Approve to student pending account	
Goal	Activating course purchase pending account of student	
Precondition	Should be course purchase request successfully	
Success End Condition	Student course purchase pending account activated	
Failed End Condition	Failed to pending account	
Primary Actor	Admin	
Secondary Actor	N/A	
Trigger	Click on the “Purchase Course Edit” button.	
Description / Main Success Scenario	Step	Action
	1	System will display the Purchase Course page
	2	Admin click on the “Purchase Course Edit” button
	3	Open a modal and activated pending account
	4	Click on the save button and show account active
Alternative Flows	Step	Branching Action
	1	Data Mismatched
	2	Account not activated
Quality Requirements	Step	Requirements
	1	N/A

3.2.5 Choose any IT course

Use Case	Choose any IT course	
Goal	User can mainly choose course and see course details	
Precondition	N/A	
Success End Condition	choose course Successfully	
Failed End Condition	User can not choose courses	
Primary Actor	Student, Visitor	
Secondary Actor	N/A	
Trigger	Click on the “Course Page” on user site.	
Description / Main Success Scenario	Step	Action
	1	System will display the course page
	2	Users can show all IT courses
	3	Then finally user can choose any courses
Alternative Flows	Step	Branching Action
	1	The system is failed to show courses
Quality Requirements	Step	Requirements
	1	N/A

3.2.6 Go classroom & see enroll courses

Use Case	Go classroom & see enroll courses	
Goal	User can go classroom and see all enroll courses	
Precondition	Should be registered user	
Success End Condition	Successfully go to classroom	
Failed End Condition	Failed to go classroom	
Primary Actor	Student	
Secondary Actor	N/A	
Trigger	Click on the “Login” button	
Description / Main Success Scenario	Step	Action
	1	System will display the Login page
	2	Users can show the required fields and fill up fields. Then click the required button.
	3	Finally, user can see the classroom with his or her enroll courses.
Alternative Flows	Step	Branching Action
	1	The system is failed to go classroom
Quality Requirements	Step	Requirements
	1	N/A

3.2.7 Add course materials

Use Case	Add course materials	
Goal	Teacher can add course materials (videos link, source code) successfully.	
Precondition	Users must be logged in to the system	
Success End Condition	Add course materials properly	
Failed End Condition	Failed to Add course materials	
Primary Actor	Teacher	
Secondary Actor	N/A	
Trigger	Click on the “add new” button	
Description / Main Success Scenario	Step	Action
	1	System will display the course materials page
	2	User can click the “add new” button and show open a modal. Then fill up the course materials fields.
	3	Finally, user can click the “save” button and see the success message.
Alternative Flows	Step	Branching Action
	1	Mandatory / required input fields are not filled in
	2	The system is failed to add course materials
Quality Requirements	Step	Requirements
	1	N/A

3.2.8 View course materials

Use Case	View course materials	
Goal	Student go to classroom and see the enroll courses. Click the course then showing the course materials	
Precondition	Users must be logged in to the system	
Success End Condition	View course materials (video, source code) properly	
Failed End Condition	Failed to view course materials	
Primary Actor	Student	
Secondary Actor	N/A	
Trigger	Click on the “video play” button for see video.	
Description / Main Success Scenario	Step	Action
	1	System will display the “Classroom Home” page
	2	User can click the course menu and show open a course details page. Then can see the course videos in a table.
	3	Finally, user can click the “video play” button and see the video
Alternative Flows	Step	Branching Action
	1	The system is failed to view course materials
Quality Requirements	Step	Requirements
	1	N/A

3.2.9 Add new course release

Use Case	Add new course release	
Goal	User can release a new course properly create for student	
Precondition	Should be registered user and can registered a new teacher for this new course.	
Success End Condition	Successfully add a new course	
Failed End Condition	Failed to add a new course release	
Primary Actor	Admin	
Secondary Actor	N/A	
Trigger	Click on the “add new” button for add a new course	
Description / Main Success Scenario	Step	Action
	1	System will display a modal for adding a course
	2	User can fill up the required information and click the “save” button.
	3	Successfully add a new course
Alternative Flows	Step	Branching Action
	1	The system is failed to add a new course
Quality Requirements	Step	Requirements
	1	N/A

3.2.10 View all release course

Use Case	View all release course	
Goal	User can view all release course in this system (Creative Academy)	
Precondition	Users must be logged in to the system	
Success End Condition	Successfully view all release course	
Failed End Condition	Failed to view all release course	
Primary Actor	Admin	
Secondary Actor	N/A	
Trigger	Click on the “course” page	
Description / Main Success Scenario	Step	Action
	1	System will display the “course” page
	2	User can see all release course in a table
	3	Successfully view all release course
Alternative Flows	Step	Branching Action
	1	The system is failed to view all release course
Quality Requirements	Step	Requirements
	1	N/A

3.2.11 Assign problem for student

Use Case	Assign problem for student	
Goal	User can upload a problem set properly	
Precondition	Users must be logged in to the system	
Success End Condition	Assign problem successfully	
Failed End Condition	Failed to view course materials	
Primary Actor	Teacher	
Secondary Actor	N/A	
Trigger	Click on the “upload” button	
Description / Main Success Scenario	Step	Action
	1	System will display the upload page
	2	User can click the upload button and upload the problem document.
	3	User can upload assign problem successfully
Alternative Flows	Step	Branching Action
	1	Data mismatched
	2.	failed to assign problem
Quality Requirements	Step	Requirements
	1	N/A

3.2.12 Download & submit solved problem

Use Case	Download & submit solved problem	
Goal	User can download and submit problem document successfully	
Precondition	Users must be logged in to the system	
Success End Condition	Submit solved problem document upload successfully	
Failed End Condition	Failed to submit solved problem	
Primary Actor	Student	
Secondary Actor	N/A	
Trigger	Click on the “submit” button for submit document	
Description / Main Success Scenario	Step	Action
	1	System will display the file upload page
	2	User can click the “upload” button
	3	User can select the file document
	4	Finally, user can click the “submit” button and see the upload success message.
Alternative Flows	Step	Branching Action
	1	failed to submit document
Quality Requirements	Step	Requirements
	1	N/A

3.2.13 view all student information

Use Case	view all student information	
Goal	User can see all student's information successfully	
Precondition	Users must be logged in to the system	
Success End Condition	View all student information properly	
Failed End Condition	Failed to view all student's information	
Primary Actor	Admin	
Secondary Actor	N/A	
Trigger	Click on the "student info" page	
Description / Main Success Scenario	Step	Action
	1	System will display the "student info" page
	2	User can see all student's info in a table
	3	Successfully view all student's info
Alternative Flows	Step	Branching Action
	1	Data not found
	2	The system is failed to view student info
Quality Requirements	Step	Requirements
	1	N/A

3.2.14 view all instructor

Use Case	view all instructor	
Goal	User can see all instructor info successfully	
Precondition	Users must be logged in to the system	
Success End Condition	View all instructor information successfully	
Failed End Condition	Failed to view all instructor information	
Primary Actor	Admin	
Secondary Actor	N/A	
Trigger	Click on the “Teacher info” page	
Description / Main Success Scenario	Step	Action
	1	System will display the “Teacher info” page
	2	User can see all teacher’s info in a table
	3	Successfully view all teacher’s info
Alternative Flows	Step	Branching Action
	1	Data not found
	2	failed to view teacher’s info
Quality Requirements	Step	Requirements
	1	N/A

3.2.15 Upload file document

Use Case	Upload file document	
Goal	User can upload file document successfully	
Precondition	Users must be logged in to the system	
Success End Condition	upload file document successful	
Failed End Condition	Failed to Upload file document	
Primary Actor	Teacher	
Secondary Actor	N/A	
Trigger	Click on the “submit” button for upload file document	
Description / Main Success Scenario	Step	Action
	1	System will display the file upload page
	2	User can click the “upload” button
	3	User can select the file document
	4	Finally, user can click the “submit” button and see the upload success message.
Alternative Flows	Step	Branching Action
	1	The system is failed to upload file document
Quality Requirements	Step	Requirements
	1	N/A

3.2.16 View and download file document

Use Case	View and download file document	
Goal	User can download file document successfully	
Precondition	Users must be logged in to the system	
Success End Condition	download document successful	
Failed End Condition	Failed to download file document	
Primary Actor	Student	
Secondary Actor	N/A	
Trigger	Click on the “download” button	
Description / Main Success Scenario	Step	Action
	1	System will display the “file document” page
	2	User can click the download button
	3	Finally, file document download
Alternative Flows	Step	Branching Action
	1	failed to download file document
Quality Requirements	Step	Requirements
	1	N/A

3.2.17 Upload blog post

Use Case	Upload blog post	
Goal	User can create blog post successfully	
Precondition	Users must be logged in to the system	
Success End Condition	Create blog post successful	
Failed End Condition	Failed to create blog post	
Primary Actor	Admin	
Secondary Actor	N/A	
Trigger	Click on the “add new” button	
Description / Main Success Scenario	Step	Action
	1	System will display a modal for adding a blog post
	2	User can fill up the required information and click the “save” button.
	3	Successfully add blog post
Alternative Flows	Step	Branching Action
	1	failed to create blog post
Quality Requirements	Step	Requirements
	1	N/A

3.2.18 View blog post

Use Case	View blog post	
Goal	User can see all blog post successfully	
Precondition	N/A	
Success End Condition	View blog post successfully	
Failed End Condition	Failed to view blog post	
Primary Actor	Student, Teacher, Admin, Visitor	
Secondary Actor	N/A	
Trigger	Click on the “blog” page	
Description / Main Success Scenario	Step	Action
	1	System will display the “blog” page
	2	User can see all blog post
	3	Successfully view blog post
Alternative Flows	Step	Branching Action
	1	Data not found
	2	failed to view blog post
Quality Requirements	Step	Requirements
	1	N/A

3.2.19 Can maintain profile

Use Case	Can maintain profile	
Goal	User can maintain profile successfully	
Precondition	Should be registered user	
Success End Condition	Can maintain profile successful	
Failed End Condition	Failed to maintain profile	
Primary Actor	Student	
Secondary Actor	N/A	
Trigger	Click on the “profile” page	
Description / Main Success Scenario	Step	Action
	1	System will display a modal in profile page
	2	User can change his old password and add a new password. Then click the “save” button.
	3	User can successfully change his/her profile
Alternative Flows	Step	Branching Action
	1	The system is failed to user maintain profile
Quality Requirements	Step	Requirements
	1	N/A

3.2.20 Send contact

Use Case	Send contact	
Goal	User can send contact successfully with other users.	
Precondition	N/A	
Success End Condition	Send contact successful	
Failed End Condition	Failed to send contact	
Primary Actor	Student, visitor	
Secondary Actor	N/A	
Trigger	Click on the “send contact” button	
Description / Main Success Scenario	Step	Action
	1	System will display the “contact” page
	2	User can fill up the input fields and click the “send contact” button.
	3	User can see the message send success message
Alternative Flows	Step	Branching Action
	1	failed to send contact message
Quality Requirements	Step	Requirements
	1	N/A

3.2.21 View user contact info

Use Case	View user contact info	
Goal	User can view all users contact info successfully	
Precondition	N/A	
Success End Condition	View all contact properly	
Failed End Condition	Failed to view user contact info	
Primary Actor	Admin	
Secondary Actor	N/A	
Trigger	Click on the “contact” page	
Description / Main Success Scenario	Step	Action
	1	System will display the “contact” page
	2	User can see all user contact info
	3	Successfully view contact info
Alternative Flows	Step	Branching Action
	1	failed to view all contact info
Quality Requirements	Step	Requirements
	1	N/A

3.2.22 Send review or feedback

Use Case	Send review or feedback	
Goal	User can send review successfully	
Precondition	N/A	
Success End Condition	Send review or feedback successful	
Failed End Condition	Failed to send review	
Primary Actor	Student	
Secondary Actor	N/A	
Trigger	Click on the “send review” button	
Description / Main Success Scenario	Step	Action
	1	System will display the “review” page in review modal
	2	User can fill up the input fields and click the “send review” button.
	3	User can see the message send review message
Alternative Flows	Step	Branching Action
	1	The system is failed to send review message.
Quality Requirements	Step	Requirements
	1	N/A

3.2.23 View student review or feedback

Use Case	View student review or feedback	
Goal	User can view all users review	
Precondition	N/A	
Success End Condition	View all review properly	
Failed End Condition	Failed to view student review	
Primary Actor	Student	
Secondary Actor	N/A	
Trigger	Click on the “review” page	
Description / Main Success Scenario	Step	Action
	1	System will display the “review” page
	2	User can see all user review
	3	Successfully view students review
Alternative Flows	Step	Branching Action
	1	The system is failed to view students review
Quality Requirements	Step	Requirements
	1	N/A

3.3 Activity Diagram

3.3.1 Login

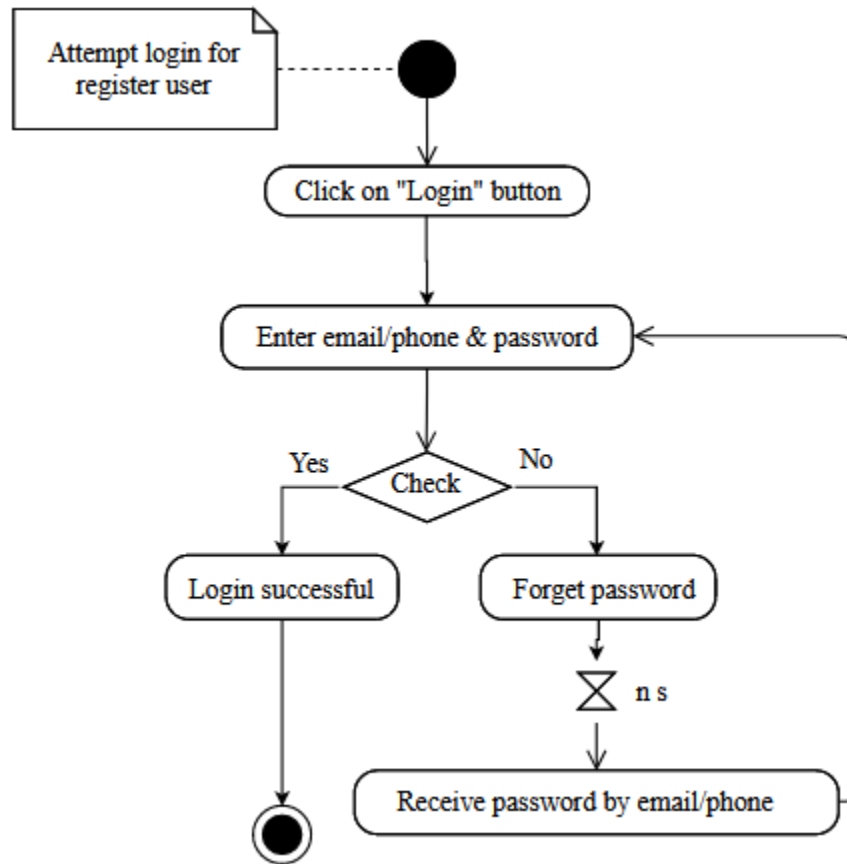


Figure 3.6: Activity diagram for login

3.3.2 Registration

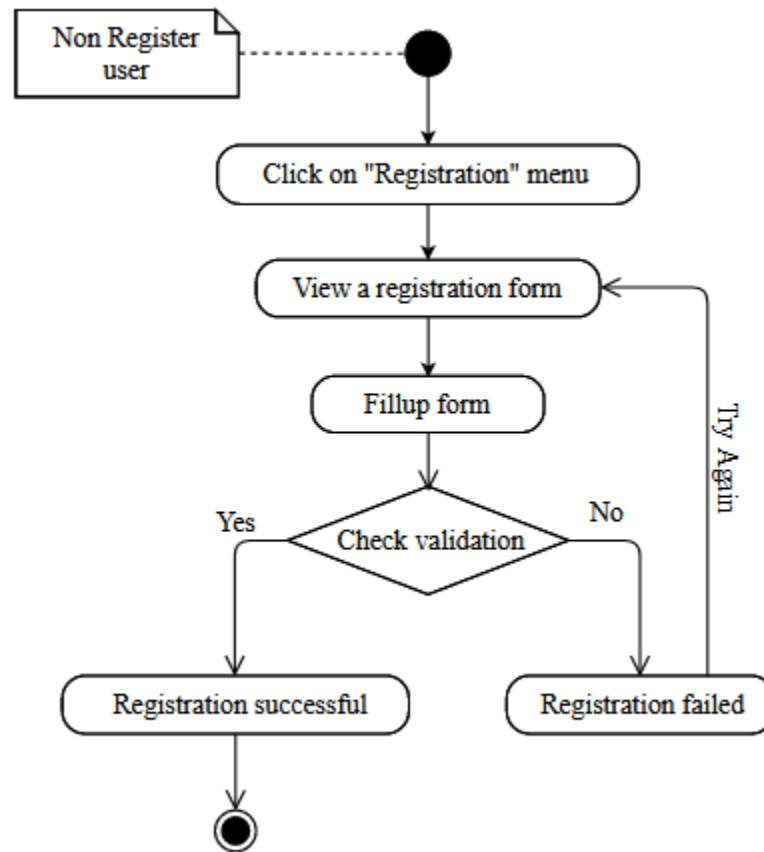


Figure 3.7: Activity diagram for registration

3.3.3 Apply for purchase course with payment

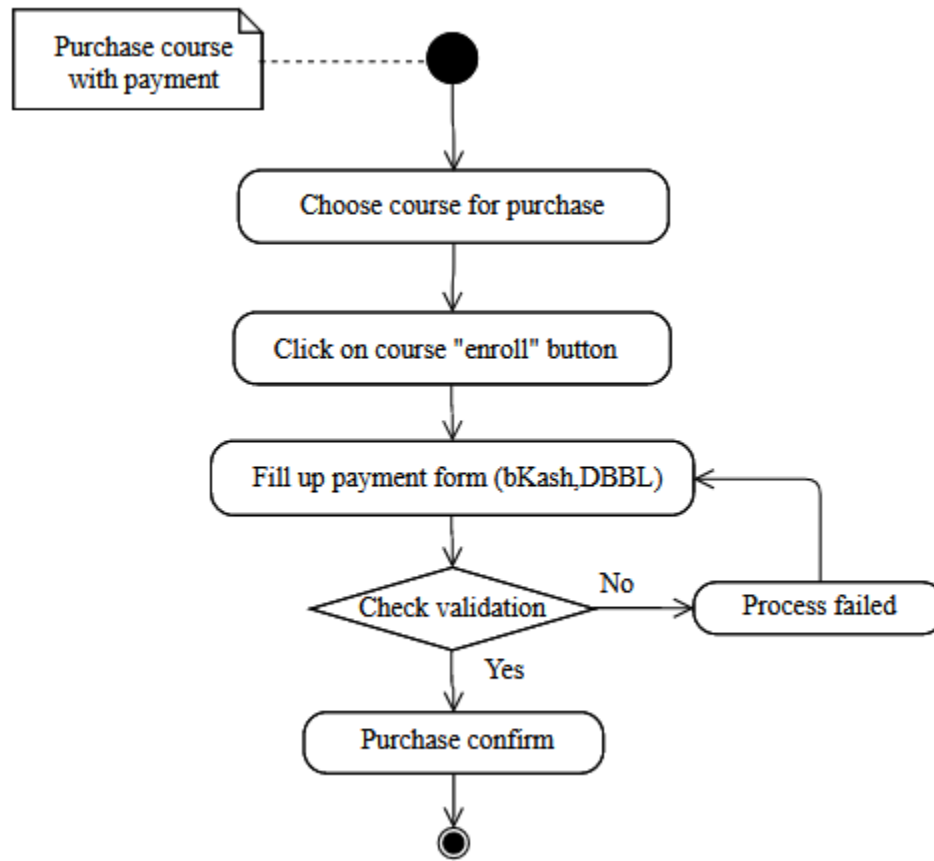


Figure 3.8: Activity diagram for purchase course with payment

3.3.4 Approve to student pending account

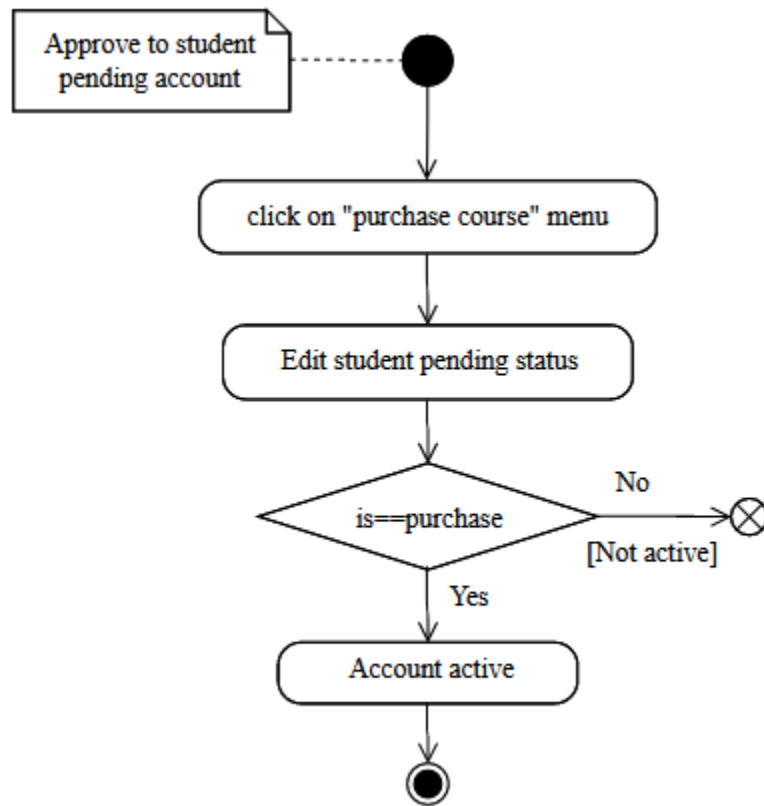


Figure 3.9: Activity diagram for approve to student pending account

3.3.5 Add new course release

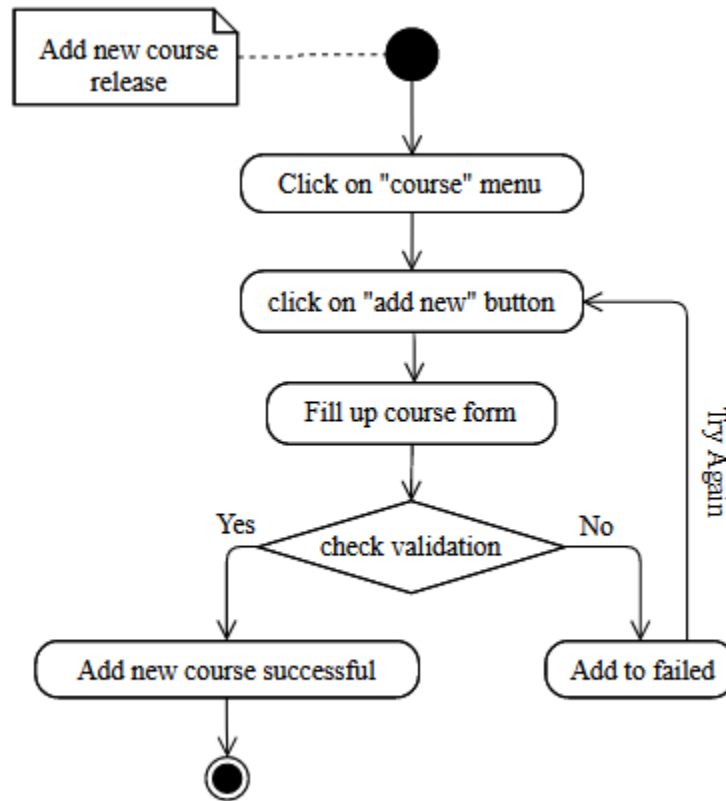


Figure 3.10: Activity diagram for add new course release

3.3.6 View all release course

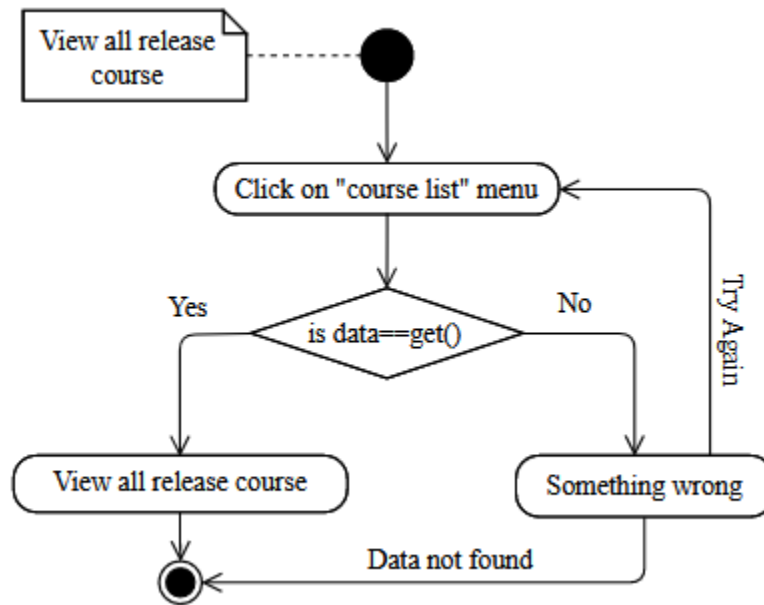


Figure 3.11: Activity Diagram for view all release course

3.3.7 Go classroom & see enroll courses

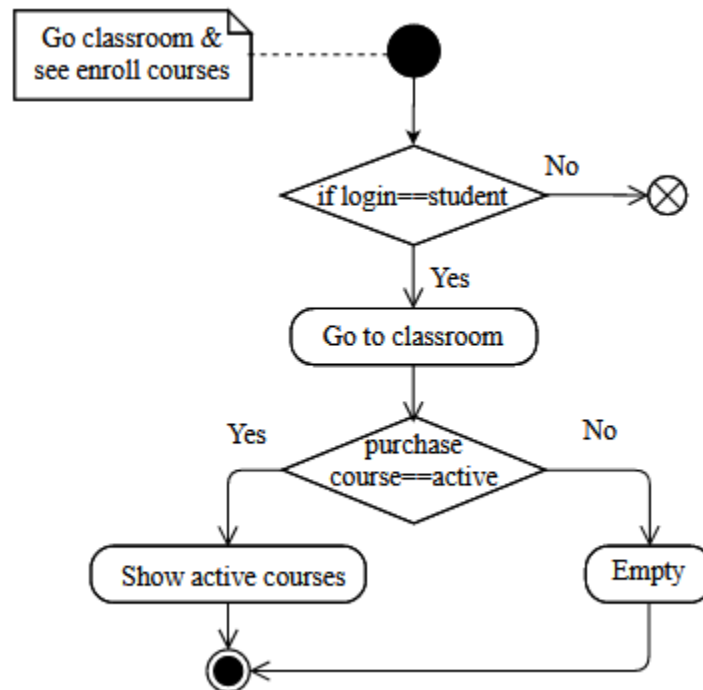


Figure 3.12: Activity Diagram for Student go classroom & see courses

3.3.8 Add course materials

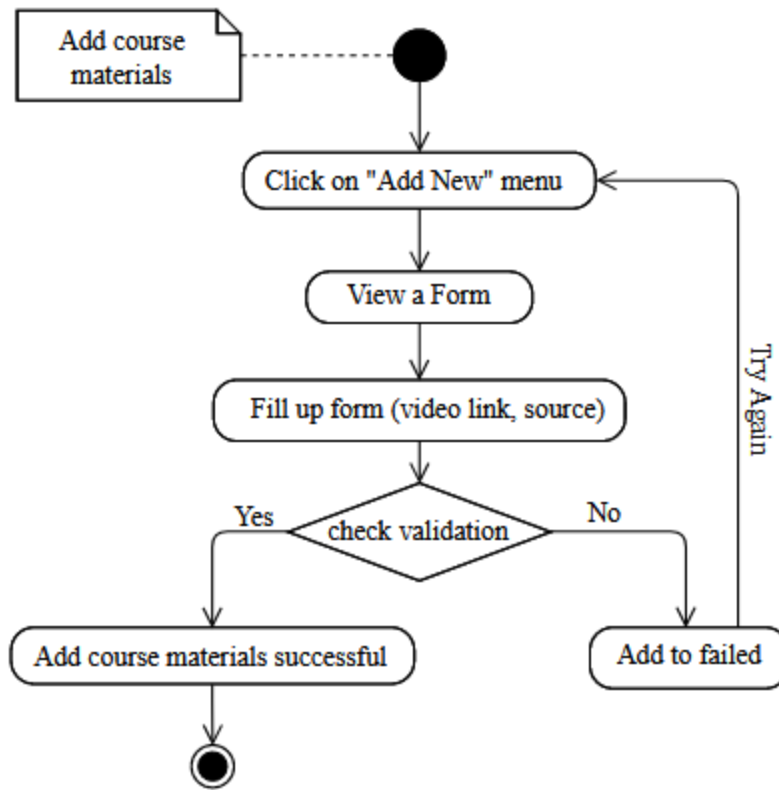


Figure 3.13: Activity Diagram for add course materials

3.3.9 View course materials

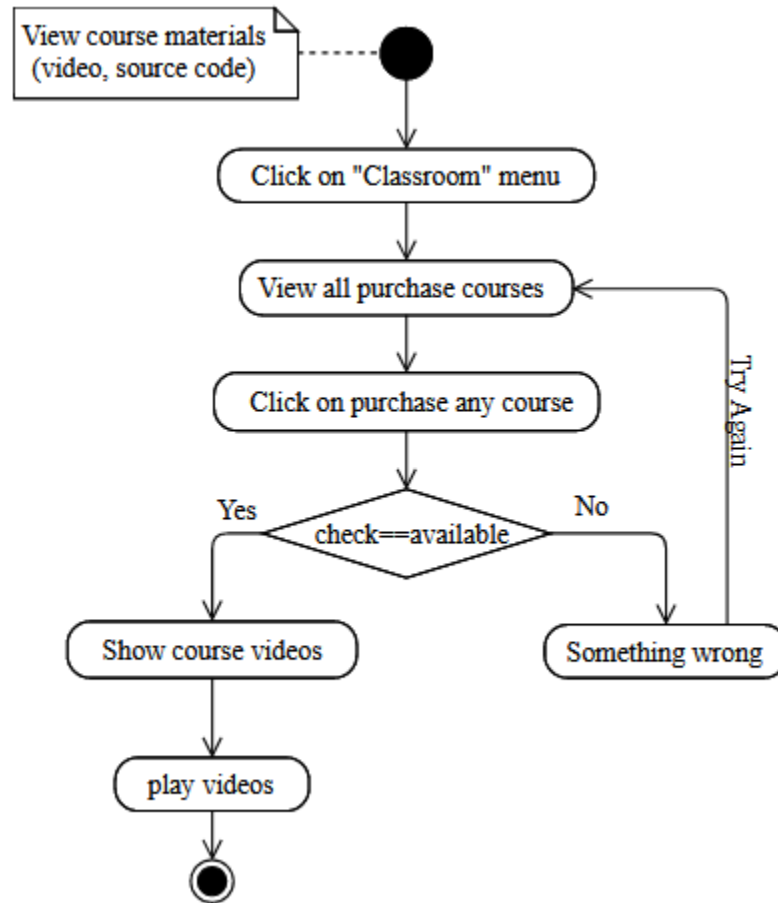


Figure 3.14: Activity Diagram for view course materials

3.3.10 Add Course Instructor

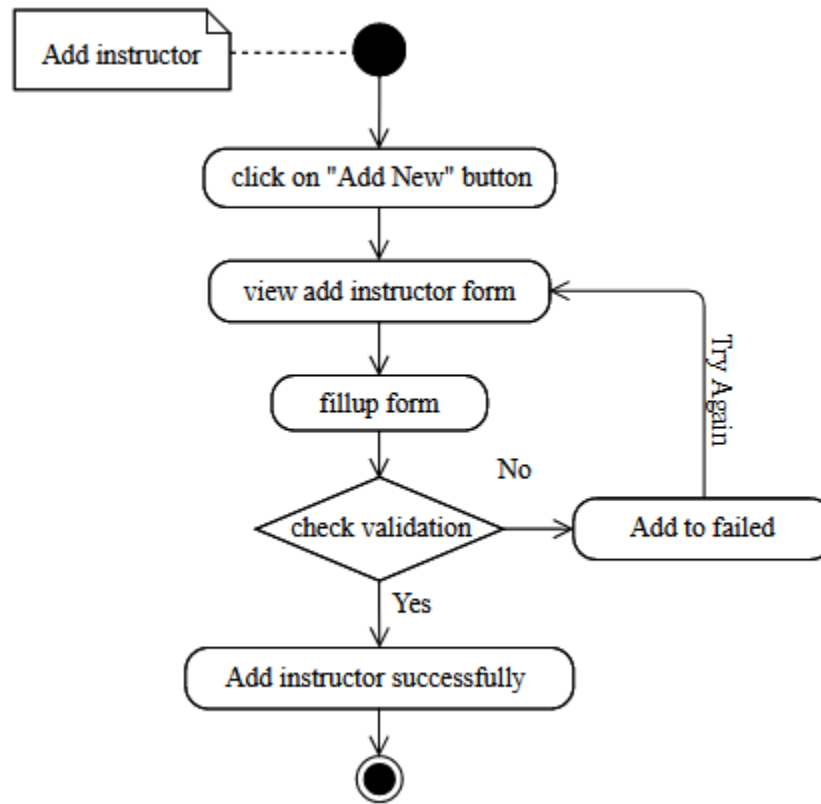


Figure 3.15: Activity Diagram for add course instructor

3.3.11 View all students and instructor info

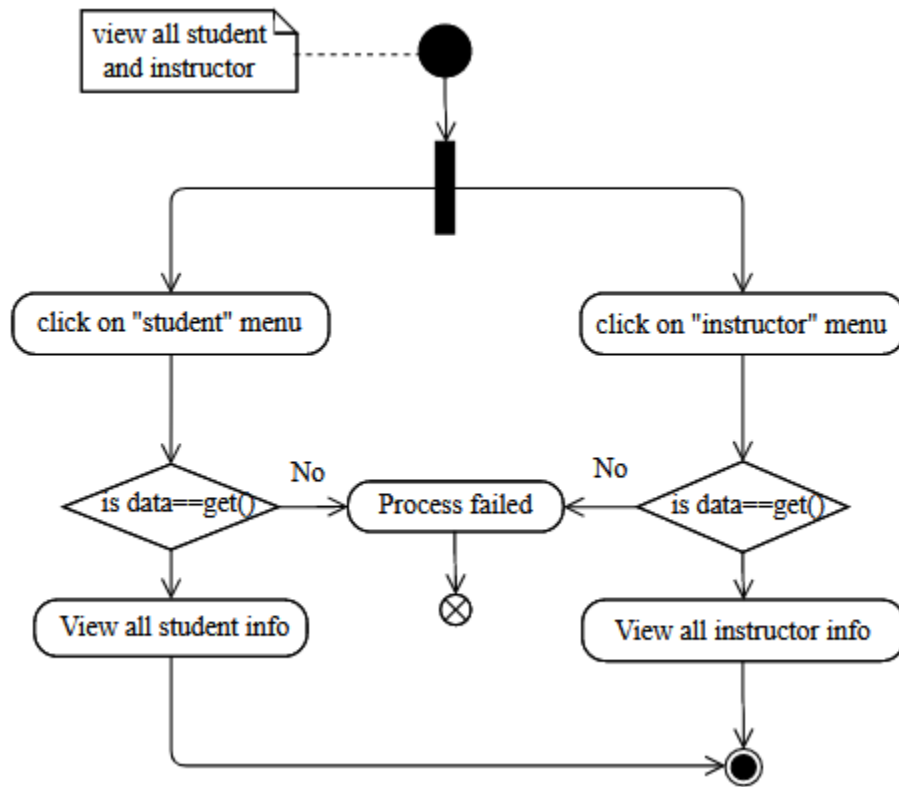


Figure 3.16: Activity Diagram for view all student & instructor info

3.3.12 Add file document

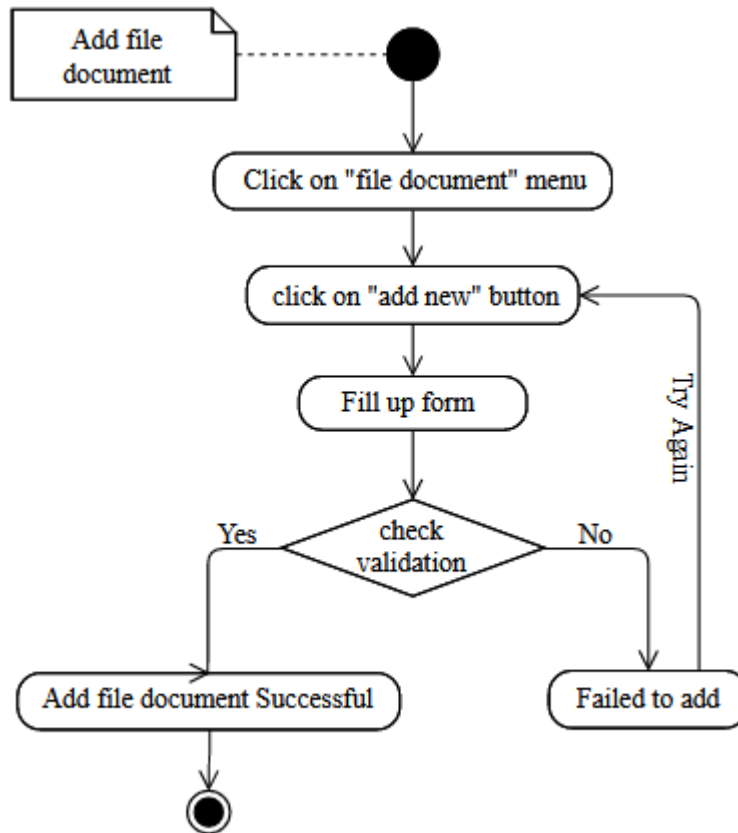


Figure 3.17: Activity Diagram for add file document

3.3.13 View file document

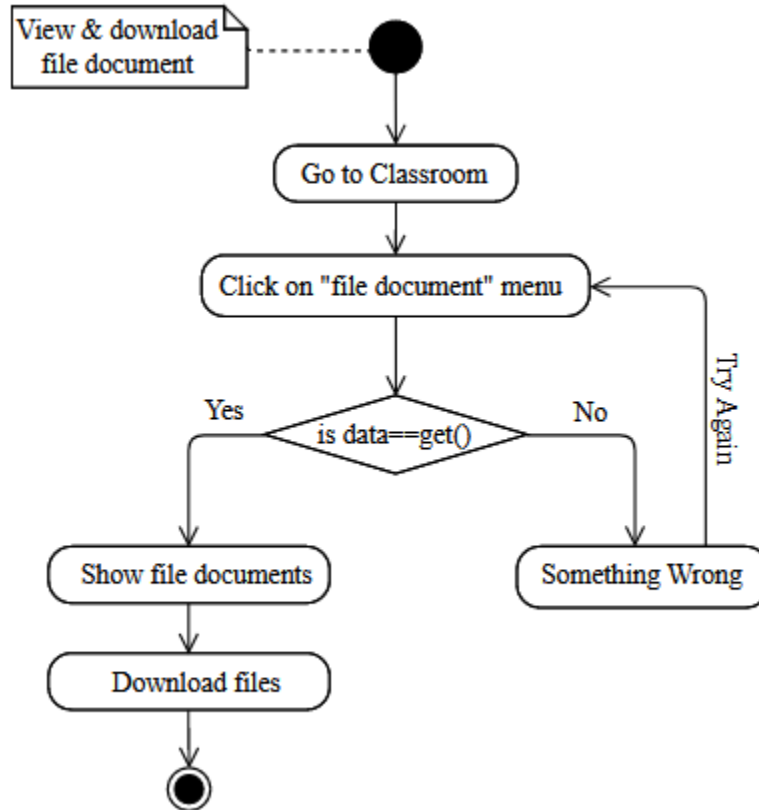


Figure 3.18: Activity Diagram for view file document

3.3.14 Add blog post

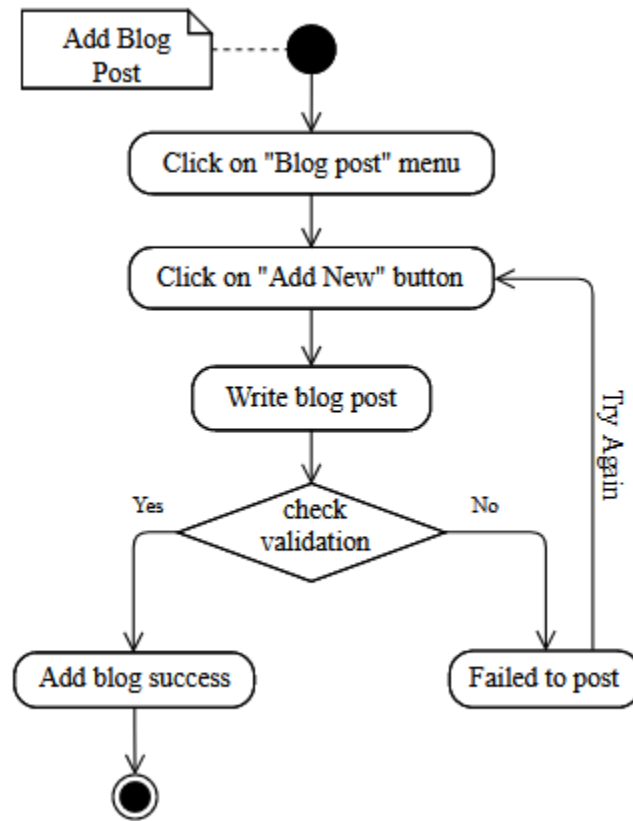


Figure 3.19: Activity Diagram for add blog post

3.3.15 View blog post

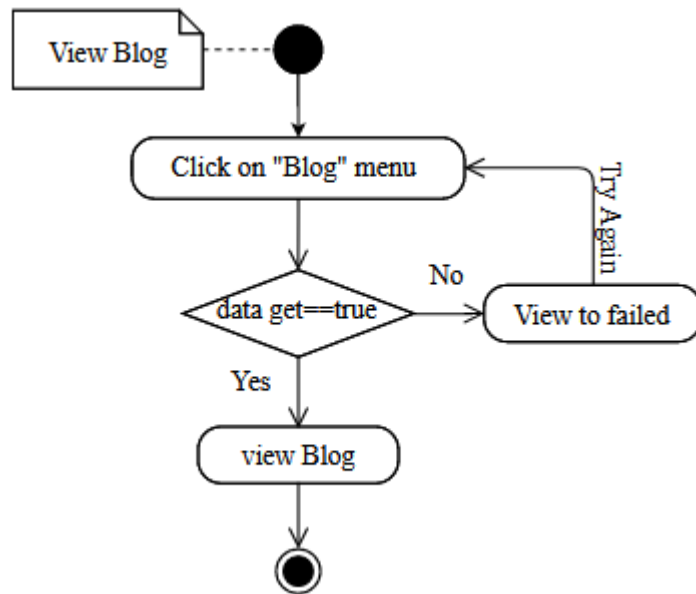


Figure 3.20: Activity Diagram for view blog post

3.3.16 Can maintain profile

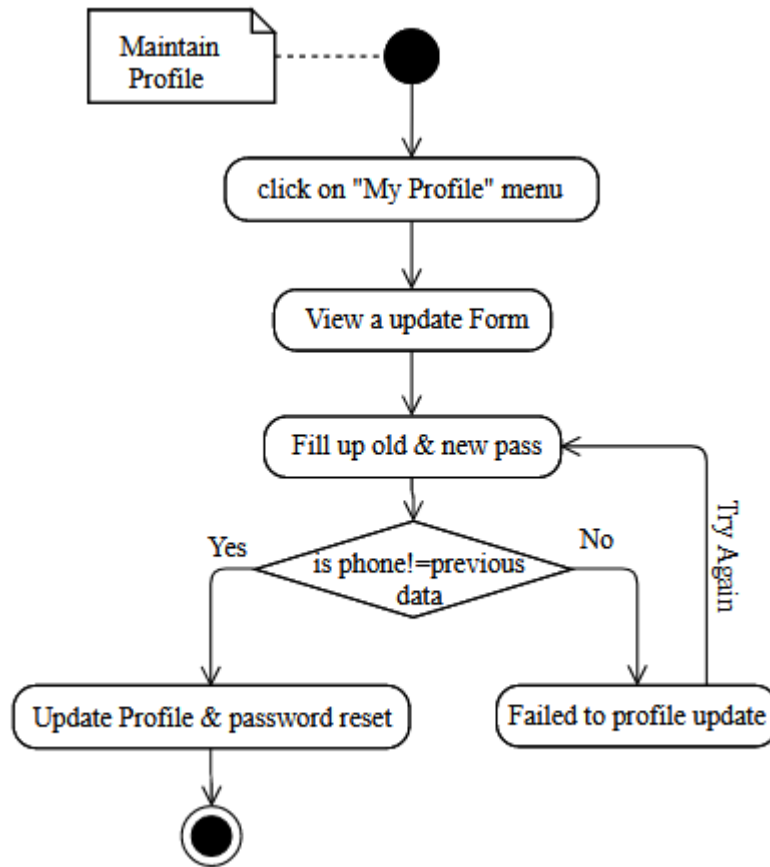


Figure 3.21: Activity Diagram for student maintain profile

3.3.17 Send contact

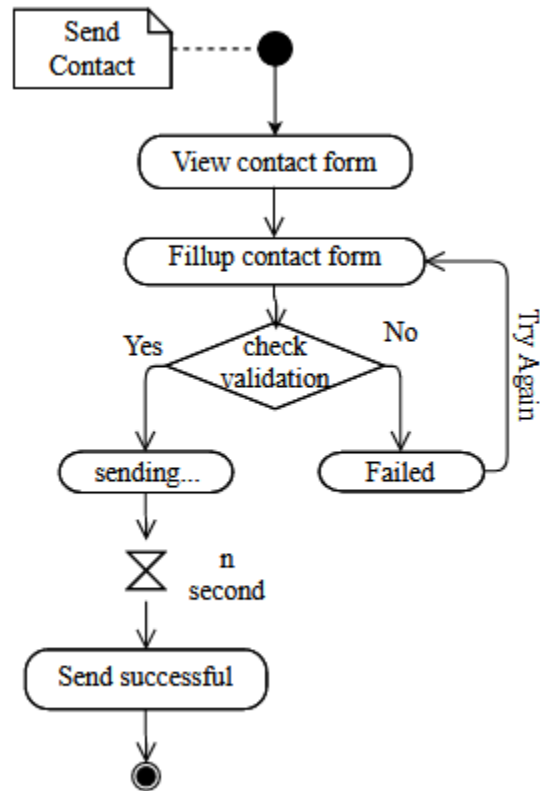


Figure 3.22: Activity Diagram for send contact

3.3.18 View contact

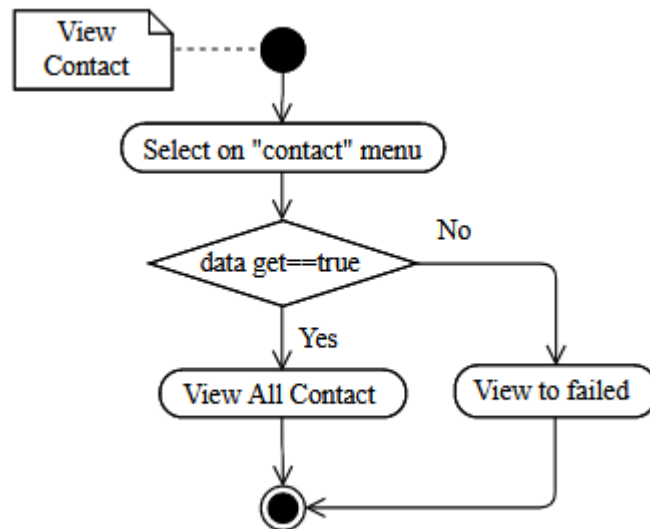


Figure 3.23: Activity Diagram for view contact

3.3.19 Add review or feedback

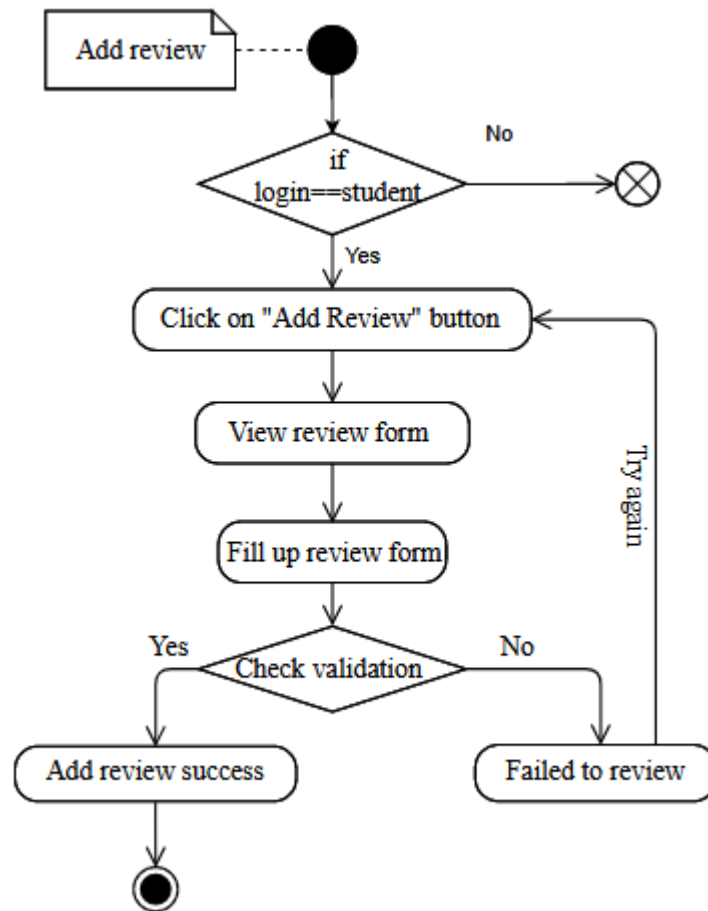


Figure 3.24: Activity Diagram for add review or feedback

3.3.20 View feedback or review

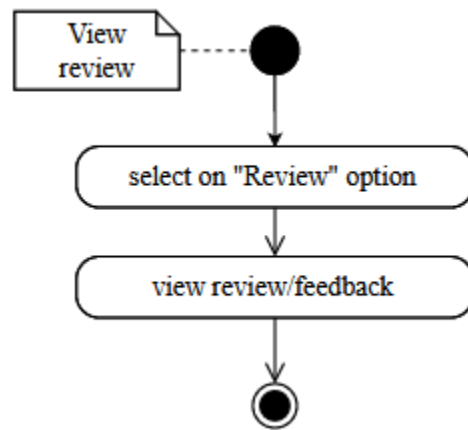


Figure 3.25: Activity Diagram for view review or feedback

3.4 Sequence diagram

3.4.1 Login issue for admin, student and teacher

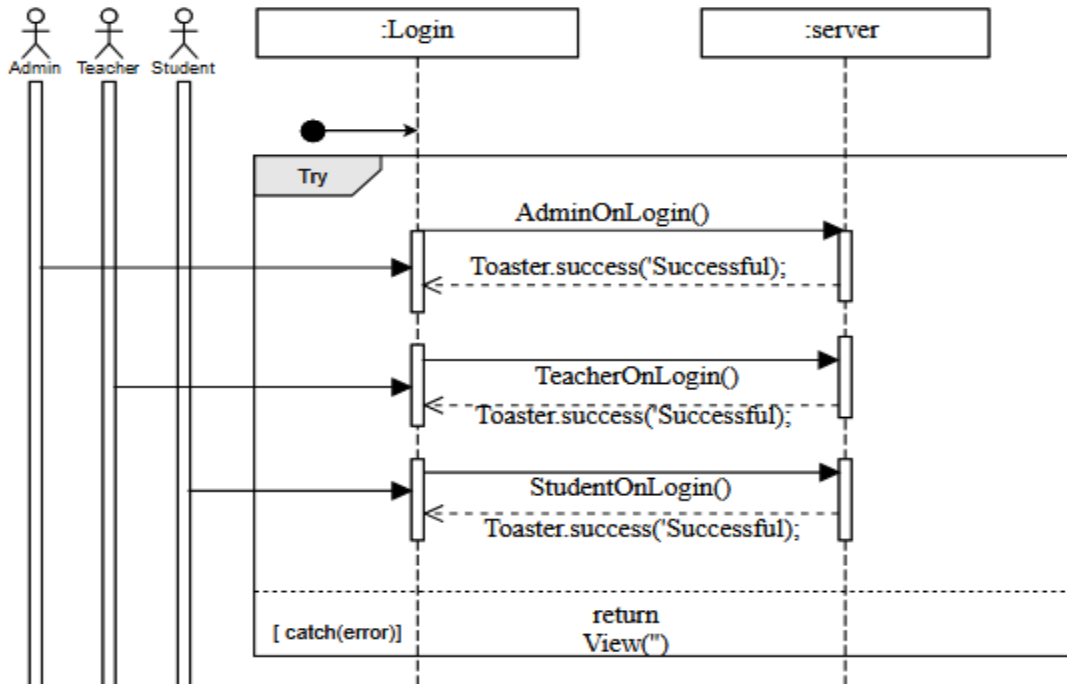


Figure 3.26: Login issue for admin, student and teacher

3.4.2 Registration & update profile issue for student

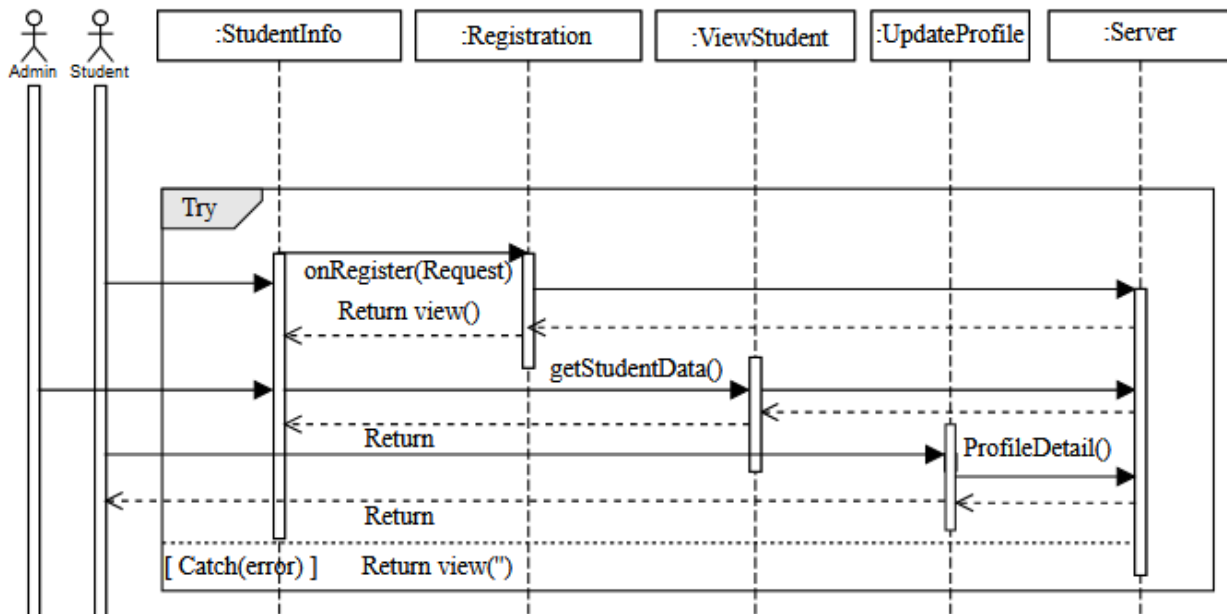


Figure 3.27: Registration & update profile issue for student & admin

3.4.3 Course issue for admin and student

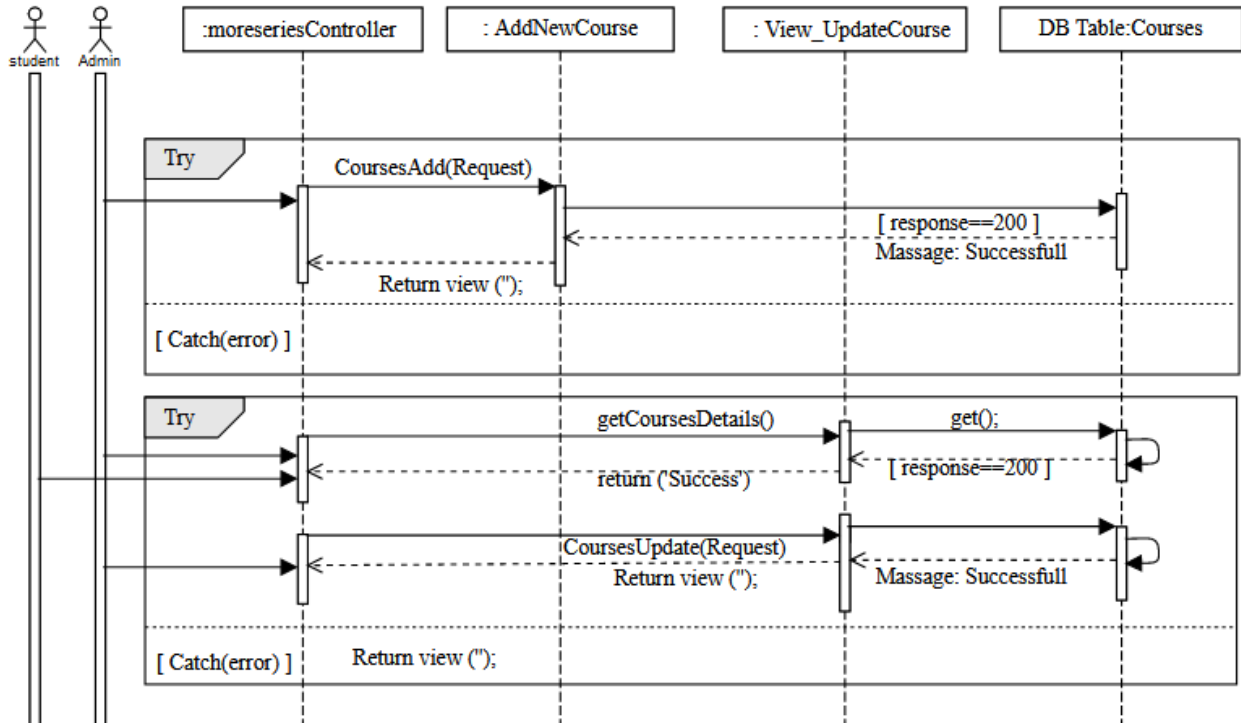


Figure 3.28: Course issue for admin and student

3.4.4 Purchase course for admin, student & teacher

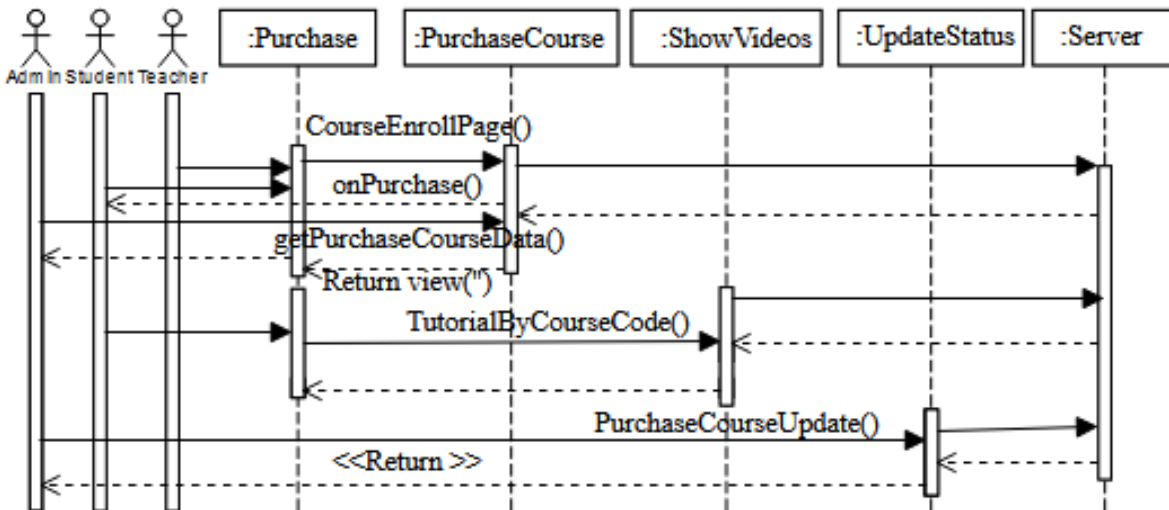


Figure 3.29: Purchase Course issue for admin, student & teacher

3.4.5 Teacher issue for admin

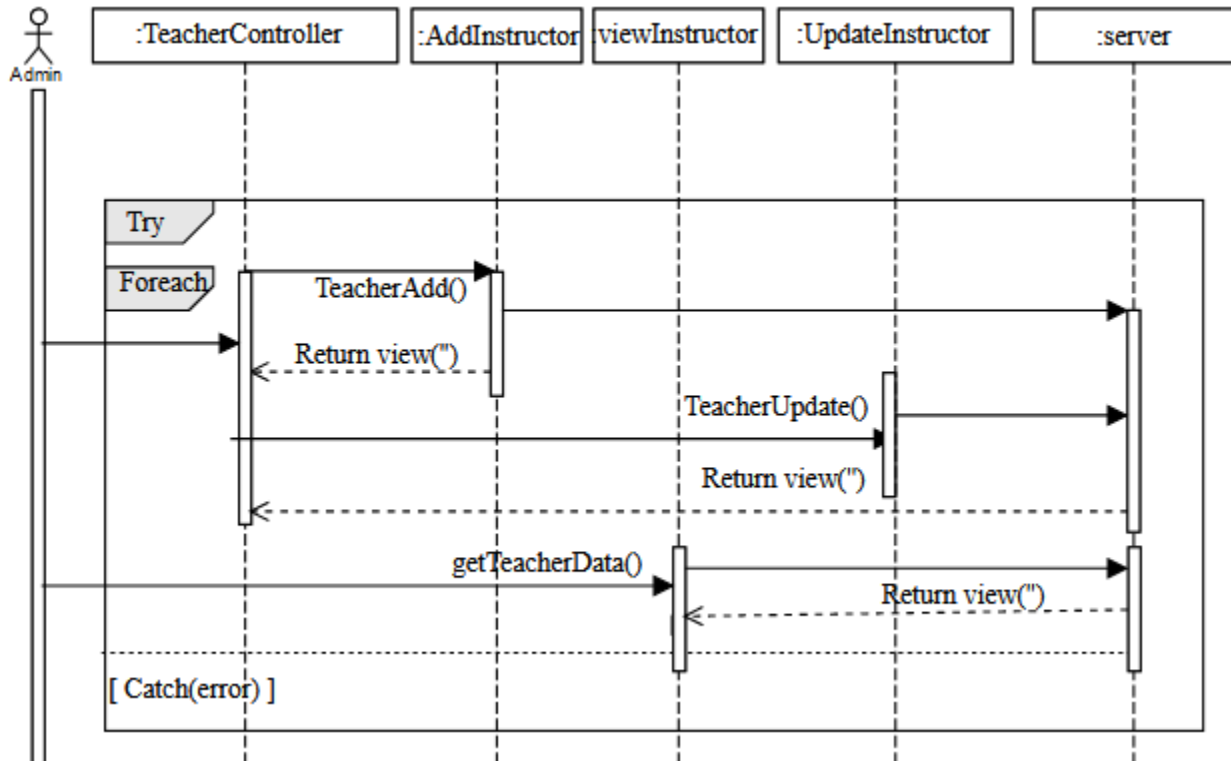


Figure 3.30: Teacher issue for admin

3.4.6 Class List issue for student and teacher

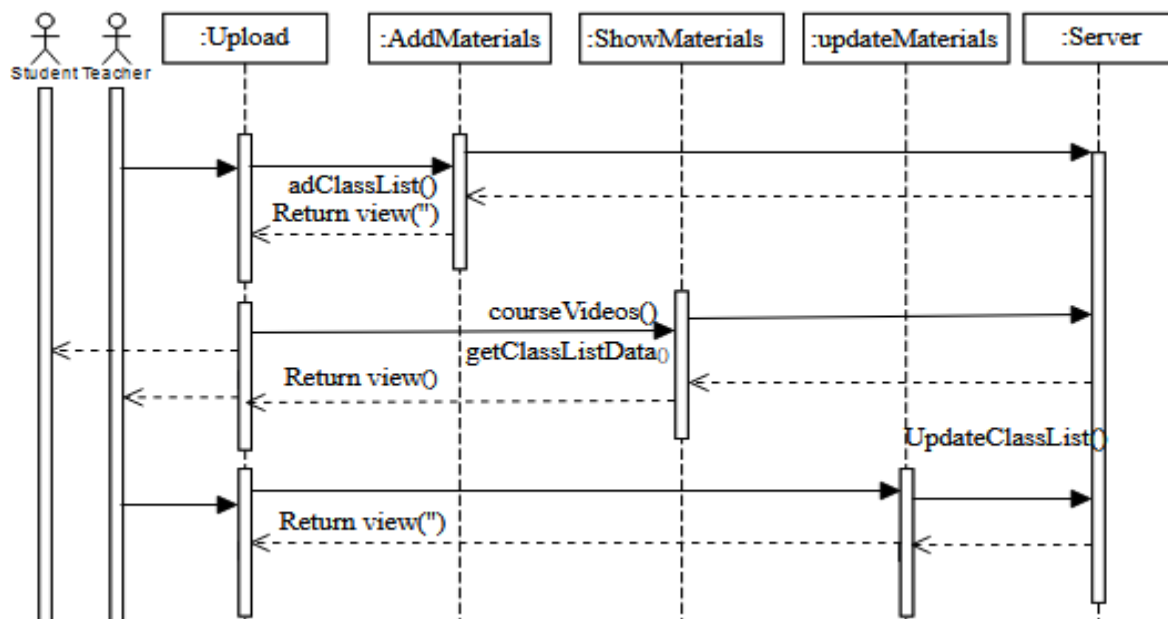


Figure 3.31: Class List issue for student and teacher

3.4.7 Add File document issue for student and teacher

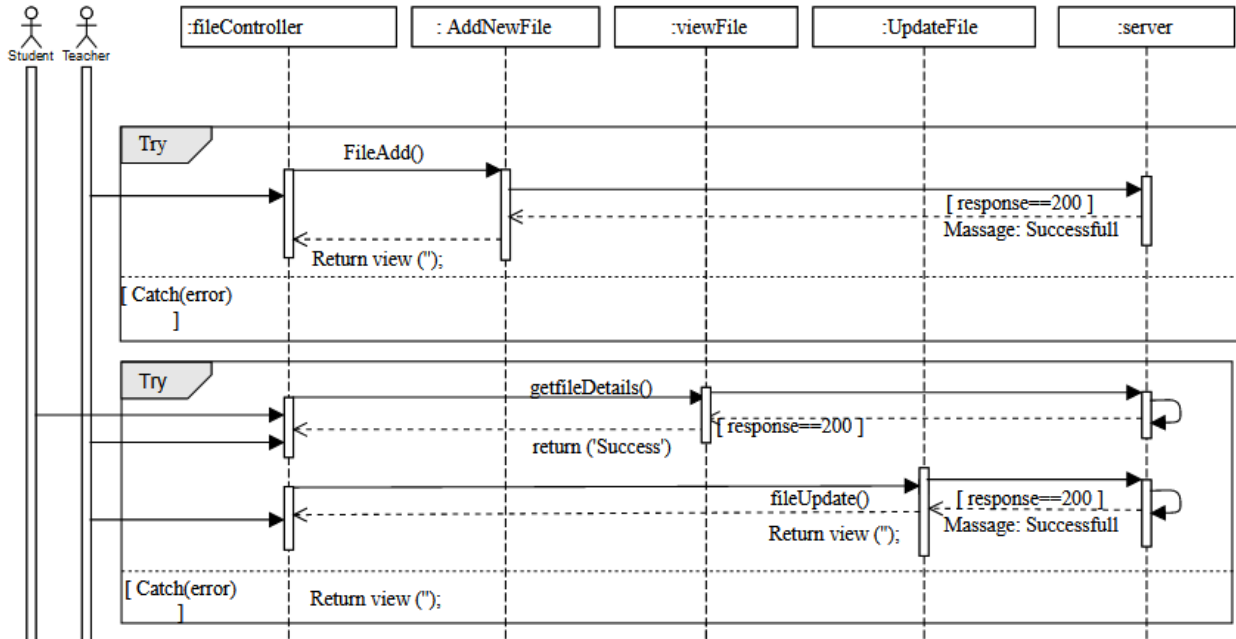


Figure 3.32: Add File document issue for student and teacher

3.4.8 Problem solve issue for student and teacher

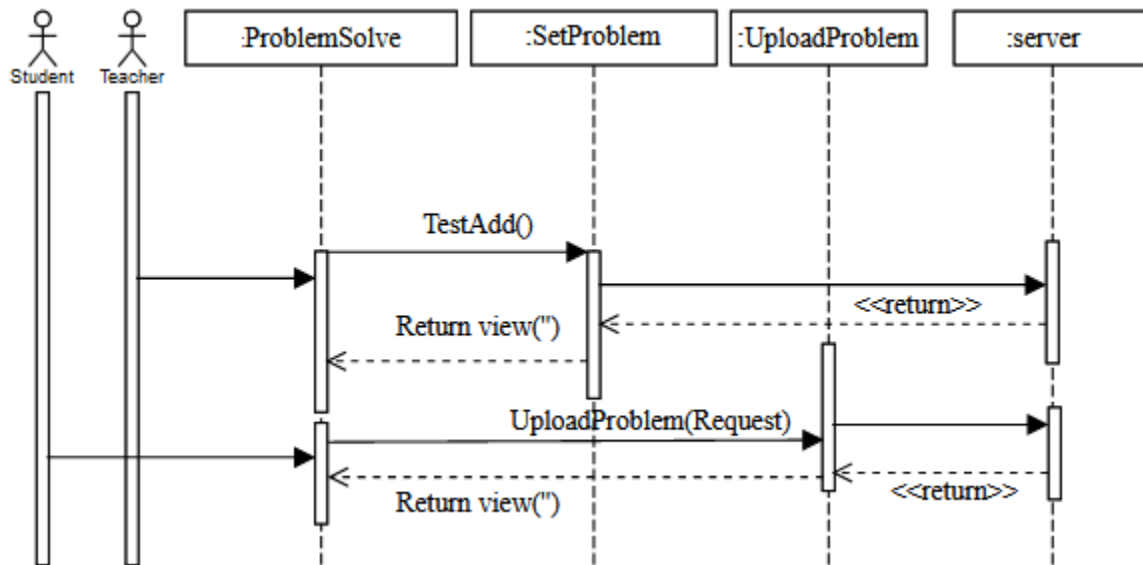


Figure 3.33: Problem solve issue for student and teacher

3.4.9 Admin dashboard issue for admin

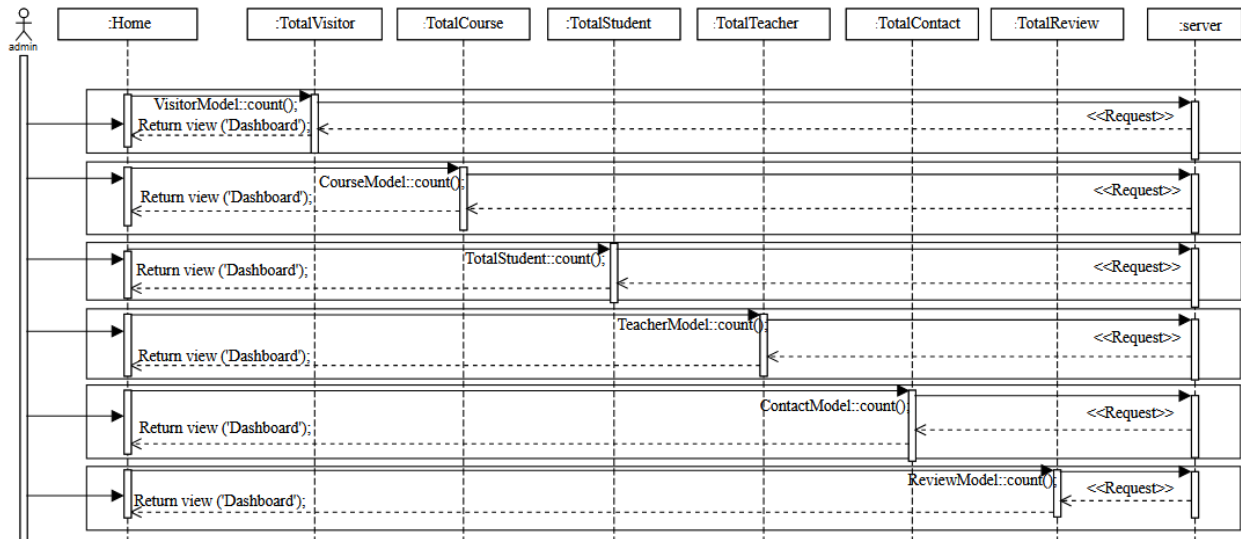


Figure 3.34: Admin dashboard issue for admin

3.4.10 Teacher dashboard issue for teacher

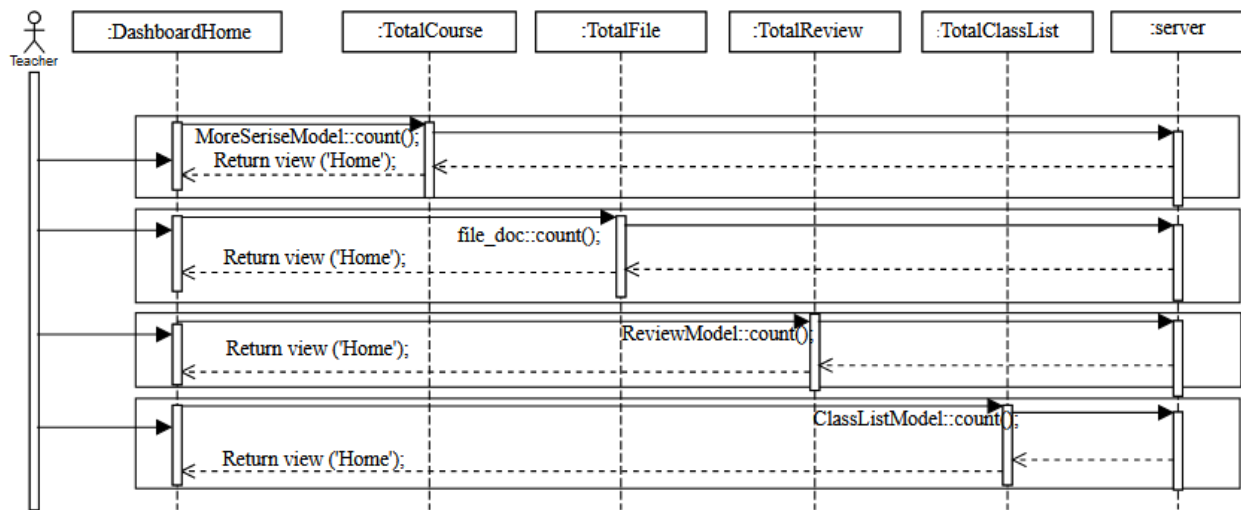


Figure 3.35: Teacher dashboard issue for teacher

3.4.11 Blog issue for admin & student

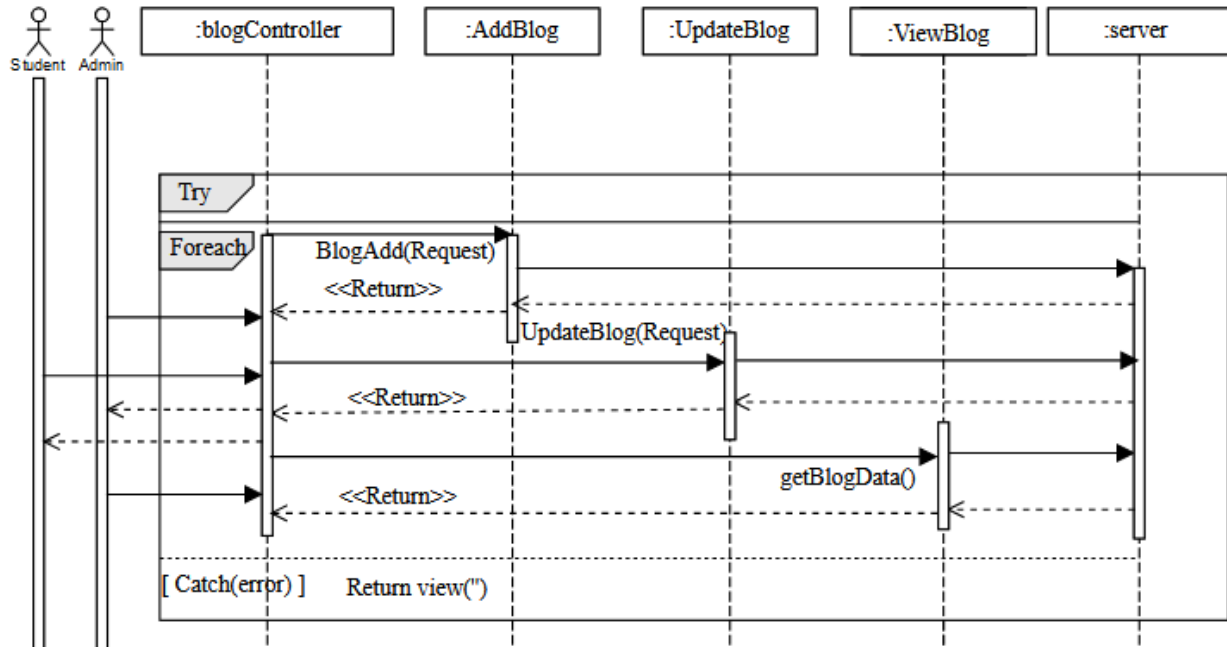


Figure 3.36: Blog issue for admin & student

3.4.13 Contact issue for admin, student & teacher

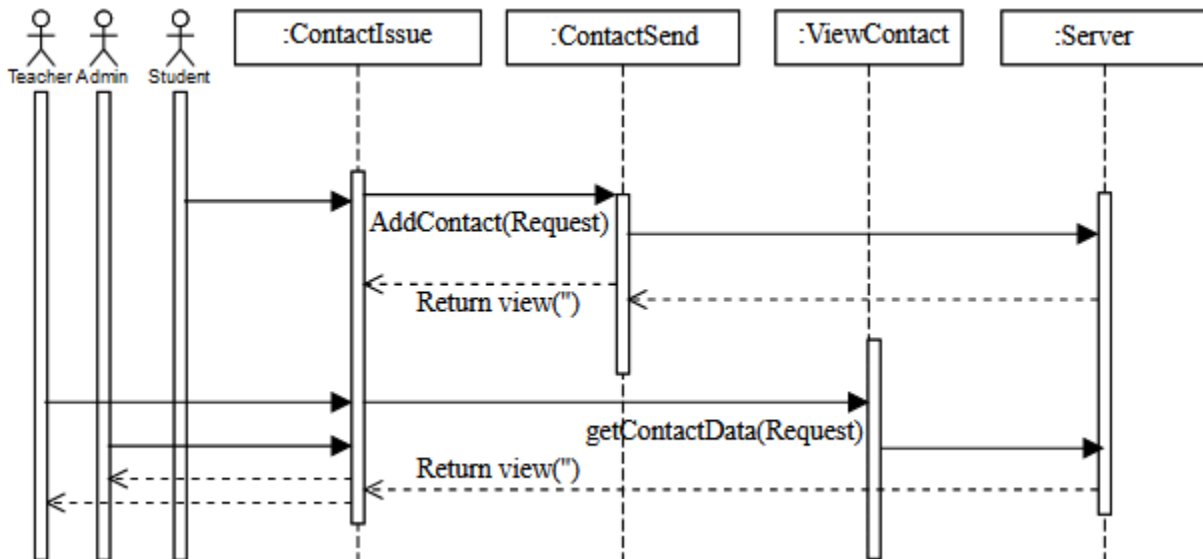


Figure 3.38: Contact issue for admin, student & teacher

3.4.14 Review issue for admin & student

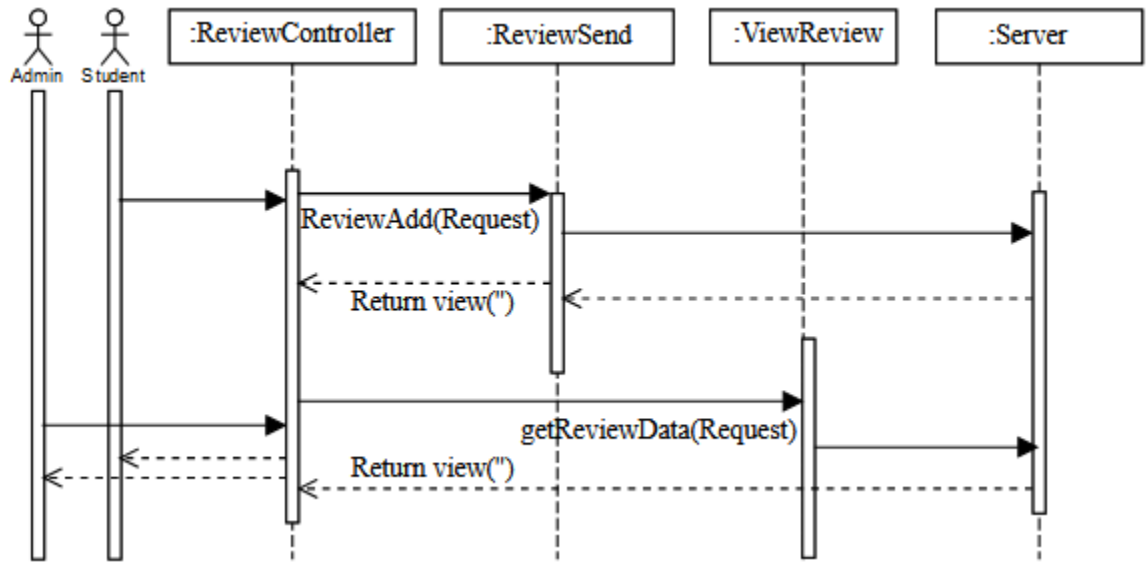


Figure 3.39: Review issue for admin & student

CHAPTER 4

SYSTEM DESIGN SPECIFICATION

4.1 Entity Relationship Diagram

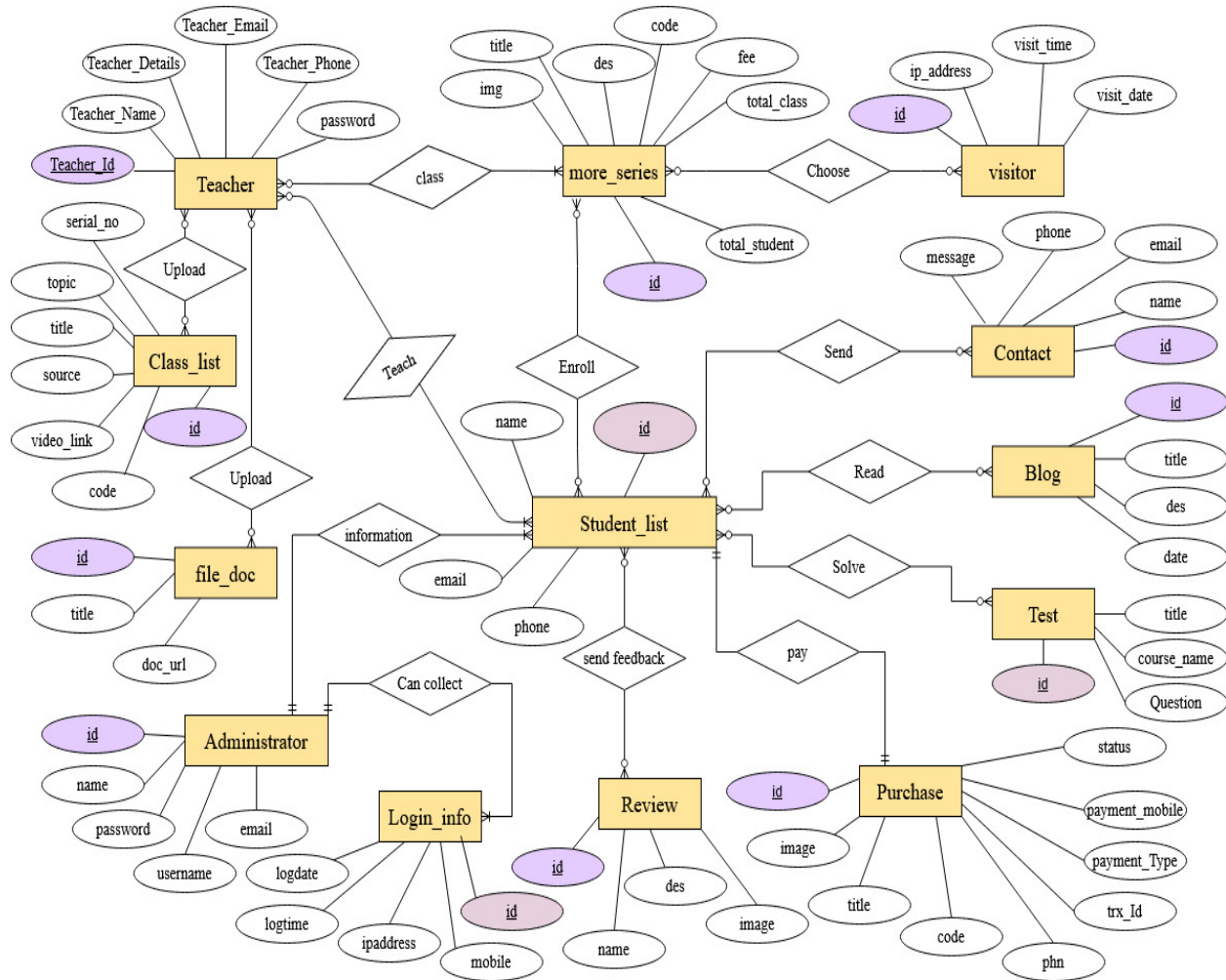


Figure 4.1: Entity relationship diagram for Creative Academy

4.2 Class Diagram

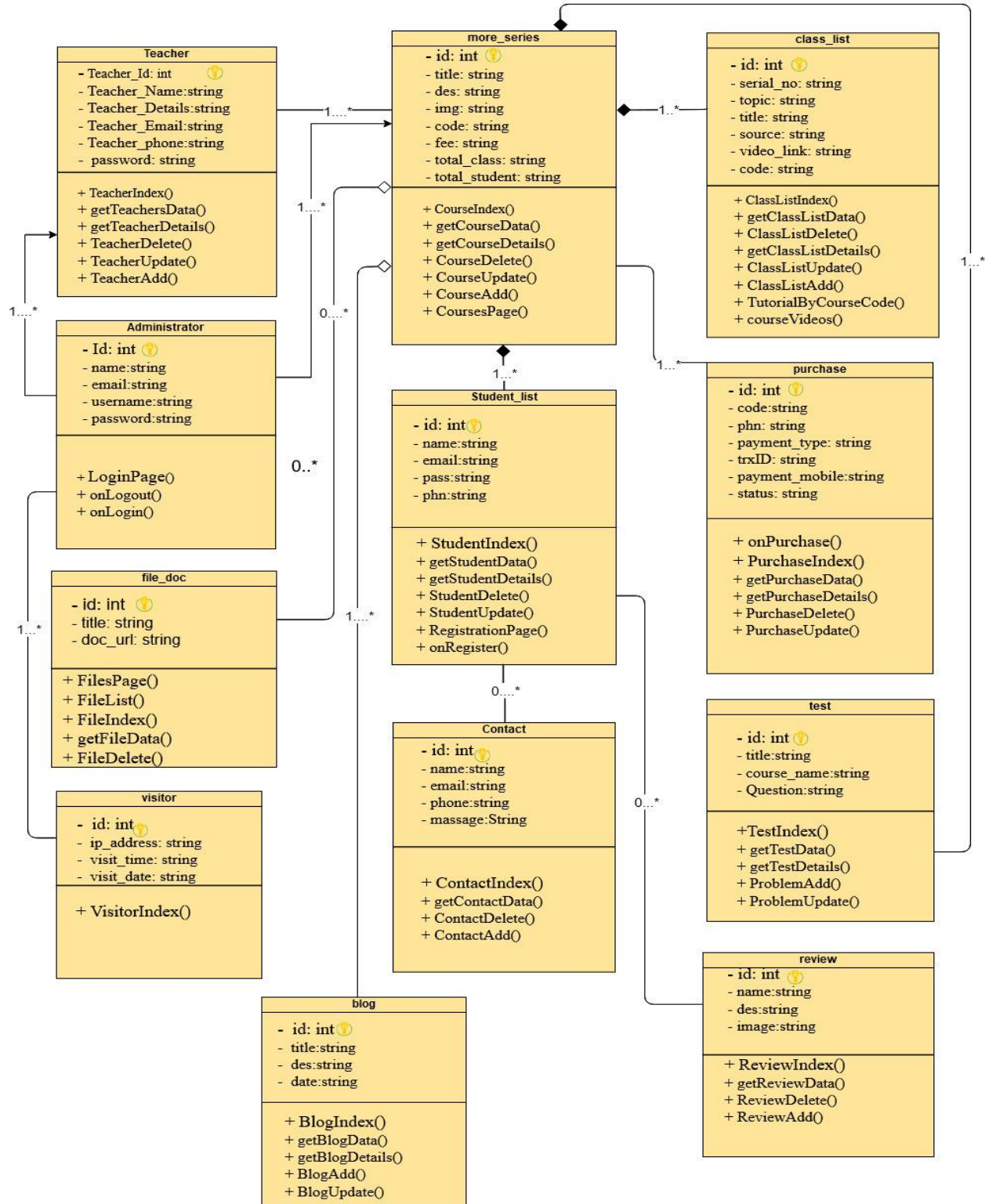


Figure 4.2: Class diagram for Creative Academy

4.3 Development Tools and Technology

Tools and technology, I used to build this system is given below –

4.3.1 User Interface Technology

- 4.3.1.1: HTML, HTML5
- 4.3.1.2: CSS3, CSS
- 4.3.1.3: Bootstraps4
- 4.3.1.3: JavaScript, Font Awesome

4.3.2 Implementation Tools and Platforms

- 4.3.2.1: Laravel v.7.0
- 4.3.2.2: jQuery, Ajax
- 4.3.2.3: Xampp V3.2.4
- 4.3.2.4: PHPStorm, VS Code
- 4.3.2.5: Windows cmd

CHAPTER 5

SYSTEM TESTING

5.1 Introduction

This web application is built for student purposes. Several types of users can use this system with many facilities. For maintaining standard quality, various kind of testing process is required.

5.1.1 Features to be tested

Priority Level

1 = Low Priority

2 = Medium Priority

3 = High Priority

Table 5.1: Features to be tested

Title	Description	Priority
Login	If user is registered then he/she can login to see user index to access the features.	3
Registration	If user wants to application and adds problems through online then user has to register first.	3
Apply for purchase course with payment	Users can apply for purchase courses with payment by choosing option (bKash, DBBL).	3
Approve to student pending account	After request for apply enroll course by payment then admin can approve pending account.	3
Add new course release	User can release a new course successfully	2
View all release course	User can view all release course properly without any problem.	1
Add course instructor	User add course instructor with valid information.	3
Track user IP Address	Admin can track user IP address and login date and time.	3
Password reset	If the user forgets his password can easily reset it.	3
Logout	The session must be destroyed after logout.	3
View particular page	Register and Non-Register customer can view particular pages of products with details.	1
View course videos	User can view course videos and play videos	2

5.2 Testing Schedule

Table 5.2: Testing Schedule

Test Phase	Time
Test Plan	2 days
Test Specification	2 days
Test Specification Team	2 days
Component Test	1 days
Integration Test	2 days
System Testing	4 days

5.3 Testing strategy

Testing strategy is a process that describes an approach to testing a software development cycle. In this process at first, I will check all the required requirements those are needed to develop my project. Then I will check that all the required requirements are properly working or not. To maintain the standard quality, I will follow some steps properly. For this I start the testing process with functional requirements testing. To maintain the quality, I did all of the tested criteria those I mentioned above.

5.3.1 Test Approach

- The system tested manually.
- This system based on students, teacher, visitor and admin activities.

5.3.2 Pass or Fail Criteria

- System crash will not be considered as a pass case
- If any criteria pass 100% times, then it will be considered as pass criteria only.
- If data can't be displayed to the application properly, then it is also to be considered as fail criteria.

5.4 Test Case Table

5.4.1 Test case 1 (User Login)

Table 5.3: Test Case 1 (User Login)

Test Case: 01	Test Case Name: User Login
System: User Login	Subsystem: N/A
Designed By: Monirul Islam Akand (171-35-1812)	Design Date: 03-10-2020
Execute By: Monirul Islam Akand	Execution date: 04-10-2020

Table 5.3.1: User Login

Step	Action	Expected system response	Pass/fail	comment
1	User fills up the user login field and click login button.	If user don't enter phone no then show required phone no.	pass	Phone no field is required
2	When user enters Phone no less than 11 or more than 11 digits	The system shows phone no should be 11 digits.	pass	Need to phone 11 digits phone no for login

5.4.2 Test case 2 (Registration)

Table 5.4: Test Case 1 (Registration)

Test Case: 02	Test Case Name: Registration
System: Registration	Subsystem: N/A
Designed By: Monirul Islam Akand (171-35-1812)	Design Date: 04-10-2020
Execute By: Monirul Islam Akand	Execution date: 06-10-2020

Table 5.4.2: Registration

Step	Email	phone	password	response	Pass/fail	comment
1	11@11.gmail.com	01832393421	312322234	Invalid email	fail	Need valid email
2	Soft.monirul@gmail.com	01792706	123456789	Phone no invalid	fail	Need valid phone number
3	Soft.monirul@gmail.com	01792706304	1234567	Password should more than 8 characters	fail	Password should be more than 8 digits
4	Soft.monirul@gmail.com	01792706304	123456789	Registration success	pass	Successfully registration complete

5.4.3 Test case 3 (Approve to student pending account)

Table 5.5: Test Case 1 (Approve to student pending account)

Test Case: 03	Test Case Name: Approve to student pending account
System: Approve to student pending account	Subsystem: N/A
Designed By: Monirul Islam Akand (171-35-1812)	Design Date: 10-10-2020
Execute By: Monirul Islam Akand	Execution date: 12-10-2020

Table 5.5.1: Approve to student pending account

Step	Action	Expected system response	Pass/fail	comment
1	Register user can apply request purchase course	Please activate your account	pass	N/A
2	Admin approve pending account	Approve successful	pass	N/A

5.4.4 Test case 4 (Add new course release)

Table 5.6: Test Case 1 (Add new course release)

Test Case: 04	Test Case Name: Add new course release
System: Add new course release	Subsystem: N/A
Designed By: Monirul Islam Akand (171-35-1812)	Design Date: 14-10-2020
Execute By: Monirul Islam Akand	Execution date: 15-10-2020

Table 5.6.1: Add new course release

Step	Action	Expected system response	Pass/fail	comment
1	Users fill-up the required form properly	submitted	pass	Successfully create
2	Users fill-up the required form except one/more field	All field must be required	fail	failed

5.4.5 Test case 5 (Log out)

Table 5.7: Test Case 5 (Log out)

Test Case: 06	Test Case Name: Log out
System: Log out	Subsystem: N/A
Designed By: Monirul Islam Akand (171-35-1812)	Design Date: 25-10-2020
Execute By: Monirul Islam Akand	Execution date: 26-10-2020

Table 5.7.1: Log out

Step	Action	Expected system response	Pass/fail	comment
1	user clicks on "Log Out" button	System will end the session and bring the user to the "Home" page	pass	N/A

5.5 Testing Environment (hardware/software requirements)

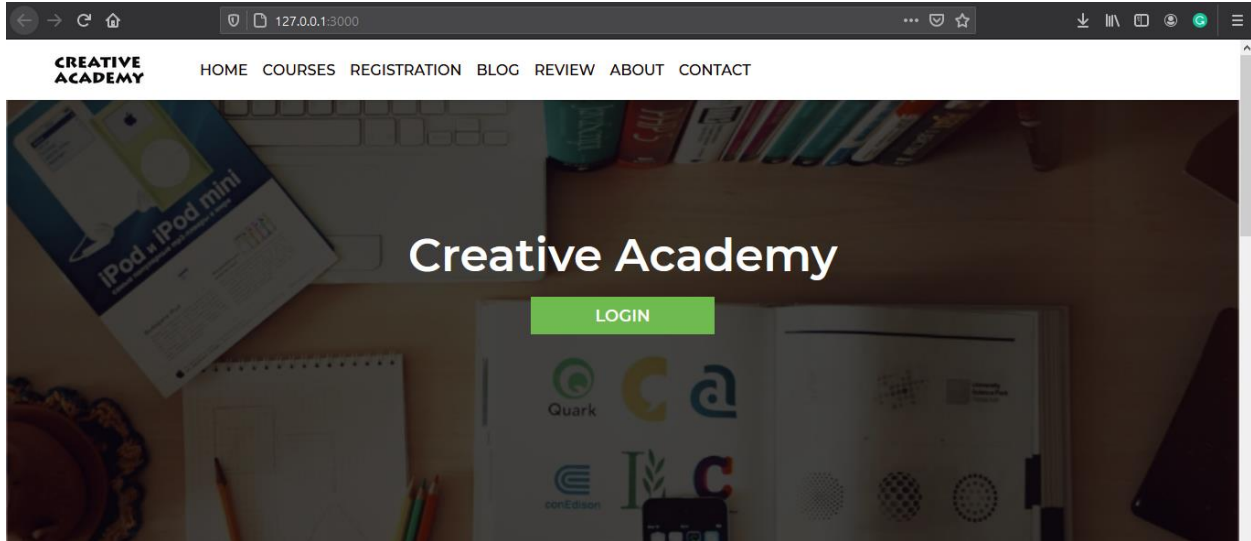
1. Browser: - Firefox, Google Chrome
2. CoreI3, Ram# 12GB, SSD#240GB, HDD#1TB

CHAPTER 6

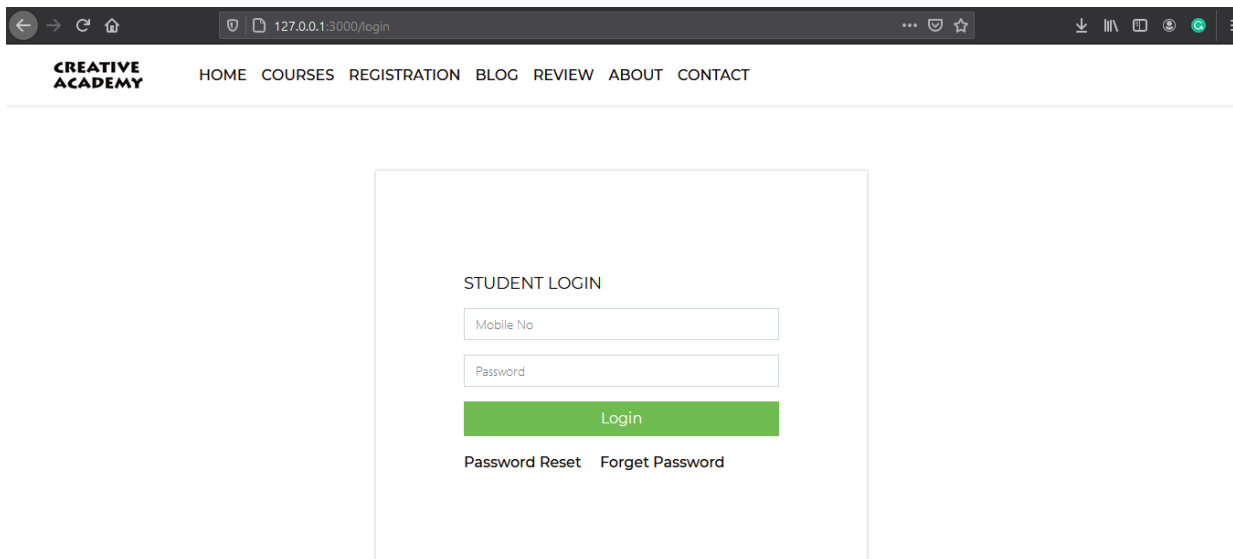
USER MANUAL

6.1 User Manual (For Student)

6.1.1 Homepage



6.1.2 Login form for student



6.1.3 Registration form for student

The screenshot shows a web browser window with the URL `127.0.0.1:3000/registration`. The page header includes the Creative Academy logo and navigation links: HOME, COURSES, REGISTRATION, BLOG, REVIEW, ABOUT, CONTACT. The main content area is titled "REGISTRATION FOR STUDENT" and contains a form with the following fields:

- Your Name
- Enter email
- Mobile No
- Password

A green "Submit" button is located below the form fields.

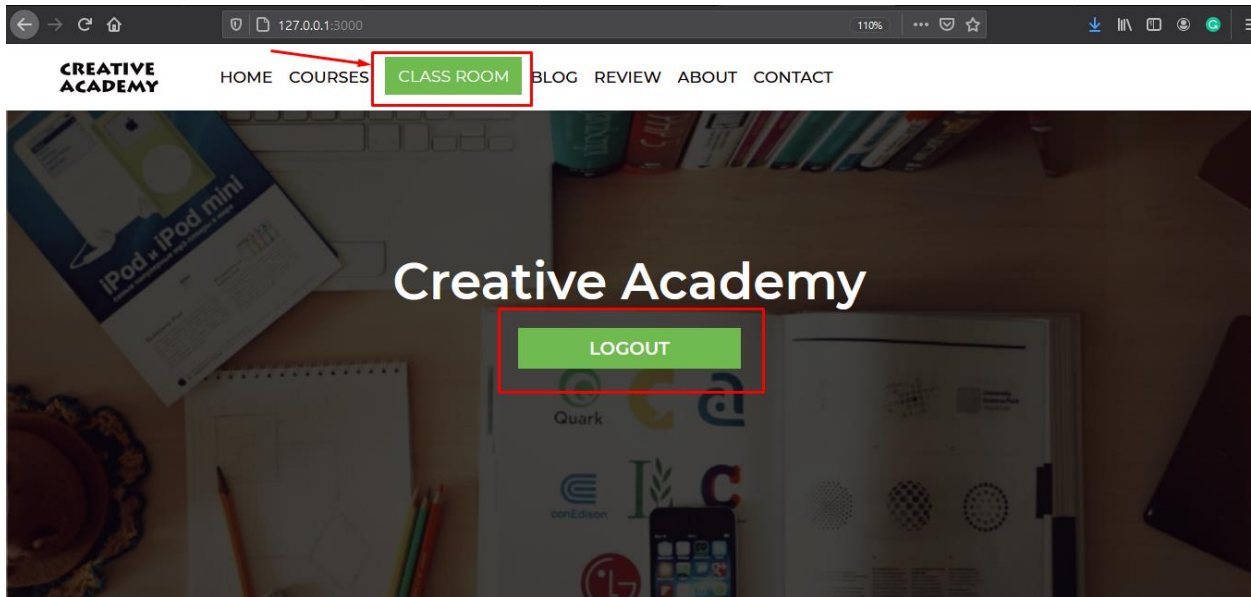
6.1.4 View all IT courses

The screenshot shows a web browser window with the URL `127.0.0.1:3000/courses`. The page header includes the Creative Academy logo and navigation links: HOME, COURSES, REGISTRATION, BLOG, REVIEW, ABOUT, CONTACT. The main content area is titled "Creative Academy Courses" and displays a grid of eight course cards:

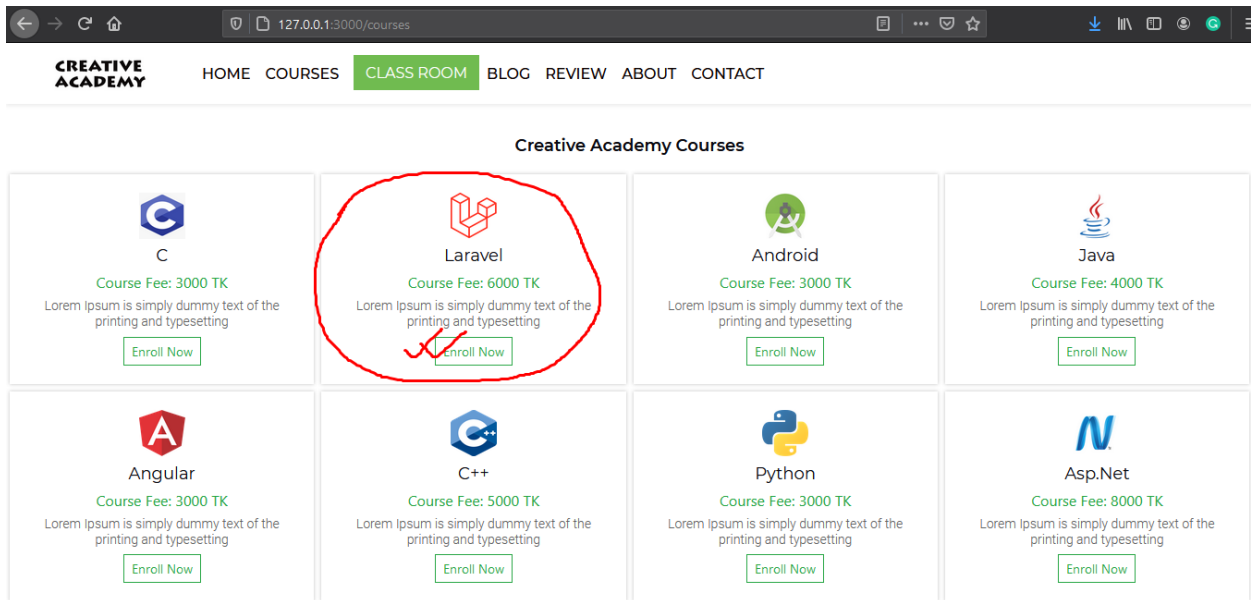
Course Name	Course Fee	Enroll Now Button
C	3000 TK	Enroll Now
Laravel	6000 TK	Enroll Now
Android	3000 TK	Enroll Now
Java	4000 TK	Enroll Now
Angular	3000 TK	Enroll Now
C++	5000 TK	Enroll Now
Python	3000 TK	Enroll Now
Asp.Net	8000 TK	Enroll Now

Each course card includes a logo, the course name, the course fee, a placeholder text "Lorem Ipsum is simply dummy text of the printing and typesetting", and an "Enroll Now" button.

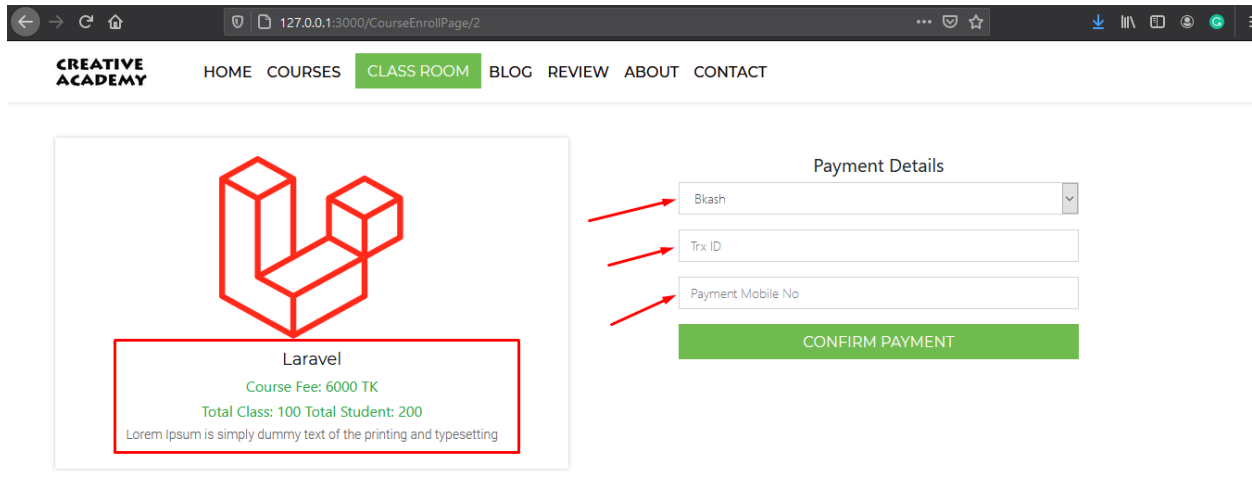
6.1.5 After login go to classroom



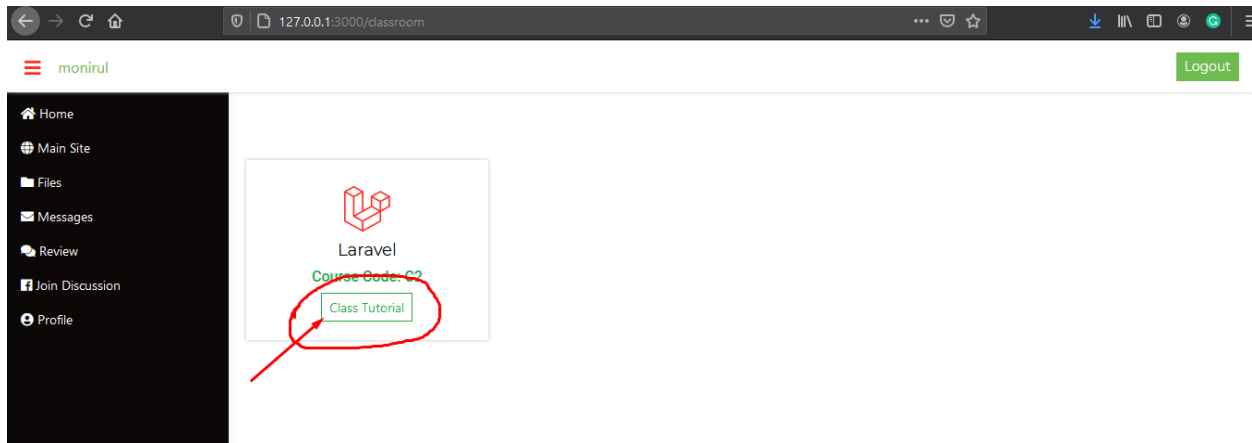
6.1.6 Choose course for enroll



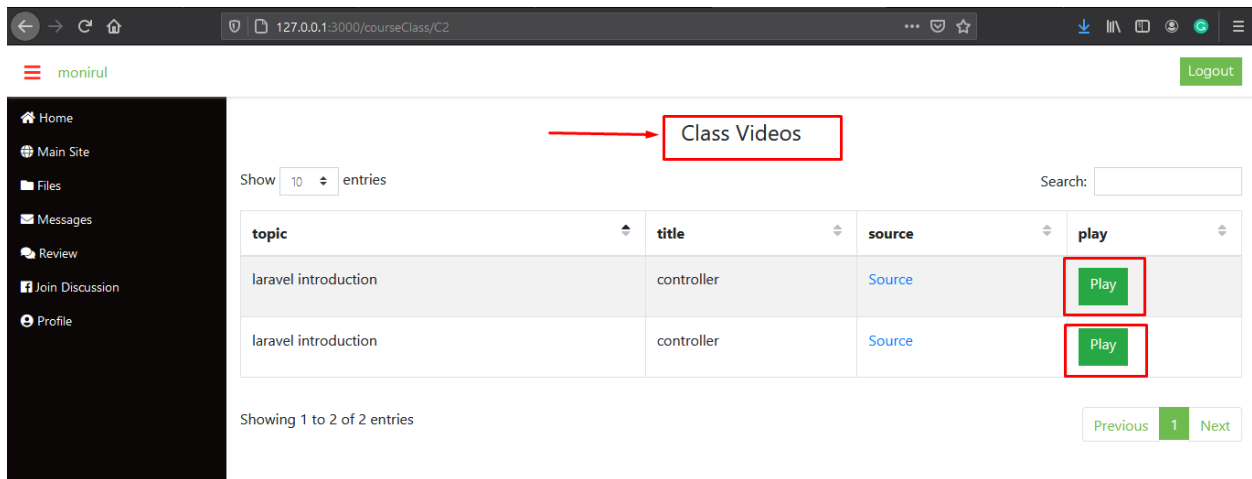
6.1.7 Purchase or enroll course with payment details



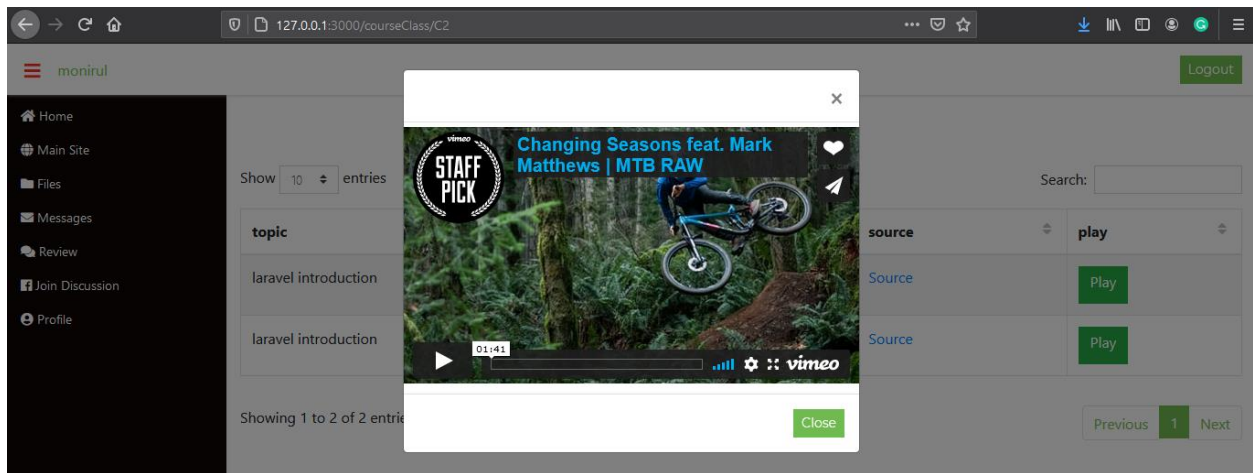
6.1.8 After purchase course show the course classroom



6.1.9 See the class videos and source

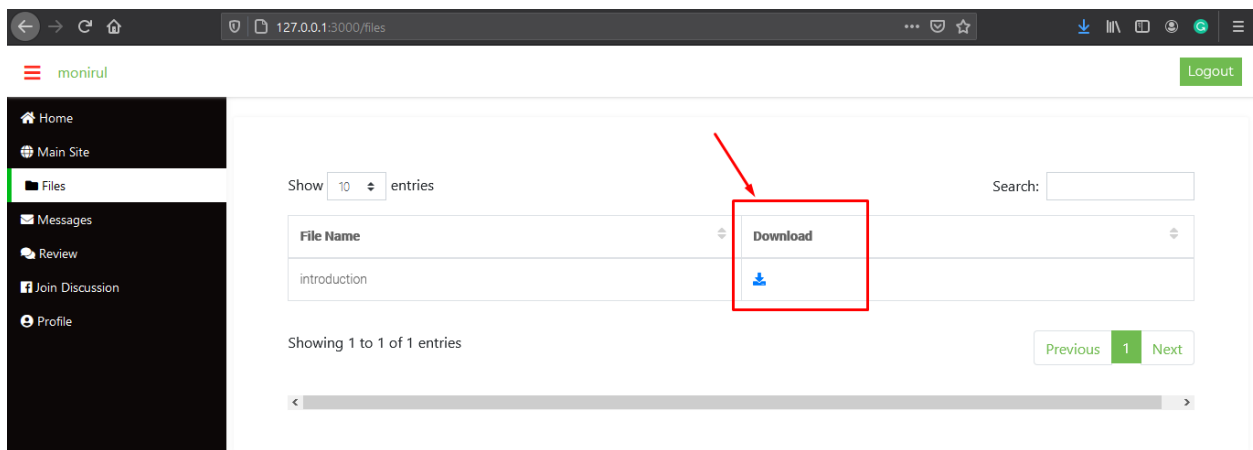


6.1.10 Play video



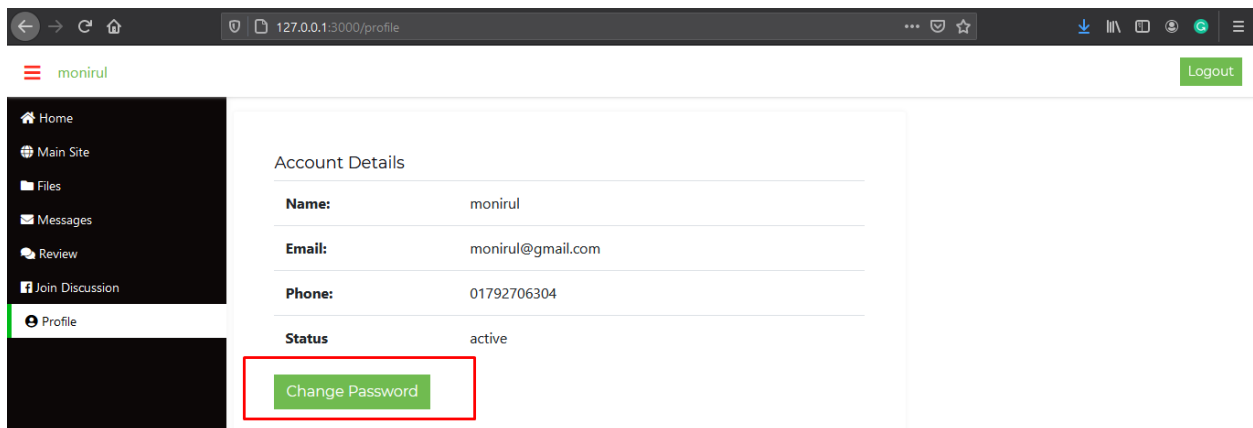
The screenshot shows a web browser displaying a video player. The video title is "Changing Seasons feat. Mark Matthews | MTB RAW". The player includes a progress bar, volume control, and a "vimeo" logo. A "Close" button is visible at the bottom right of the video player. The background shows a sidebar with navigation options like Home, Main Site, Files, Messages, Review, Join Discussion, and Profile. A search bar and a "Logout" button are also present.

6.1.11 Download source file



The screenshot shows a web browser displaying a file list. The file name is "introduction". A red box highlights the "Download" button, which has a red arrow pointing to it. The interface includes a sidebar with navigation options, a search bar, and a "Logout" button. The file list shows "Showing 1 to 1 of 1 entries" and navigation buttons for "Previous", "1", and "Next".

6.1.12 Student update his/her profile

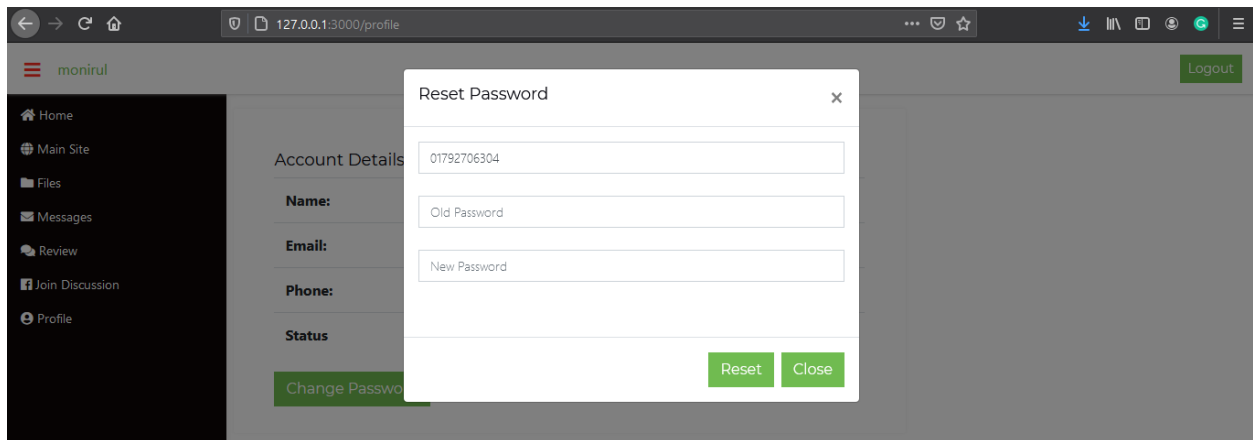


The screenshot shows a web browser displaying a user profile page. The profile details are as follows:

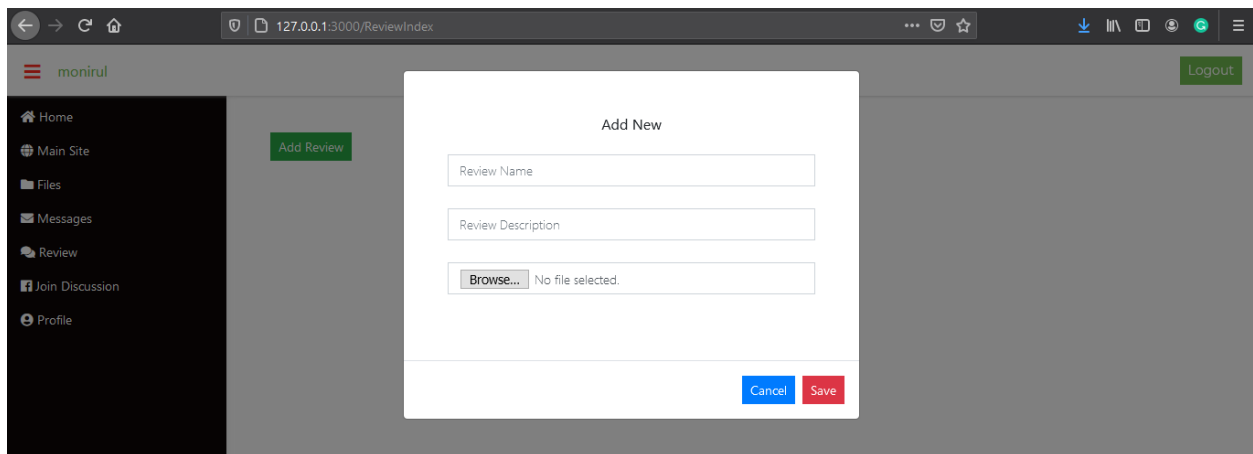
Account Details	
Name:	monirul
Email:	monirul@gmail.com
Phone:	01792706304
Status:	active

A red box highlights the "Change Password" button at the bottom of the profile details section. The interface includes a sidebar with navigation options, a search bar, and a "Logout" button.

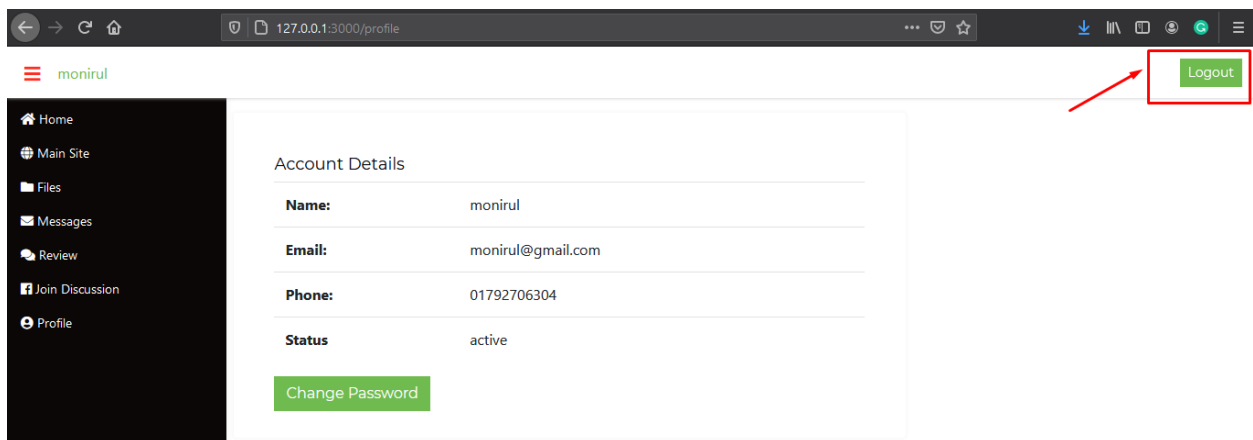
6.1.13 Reset password



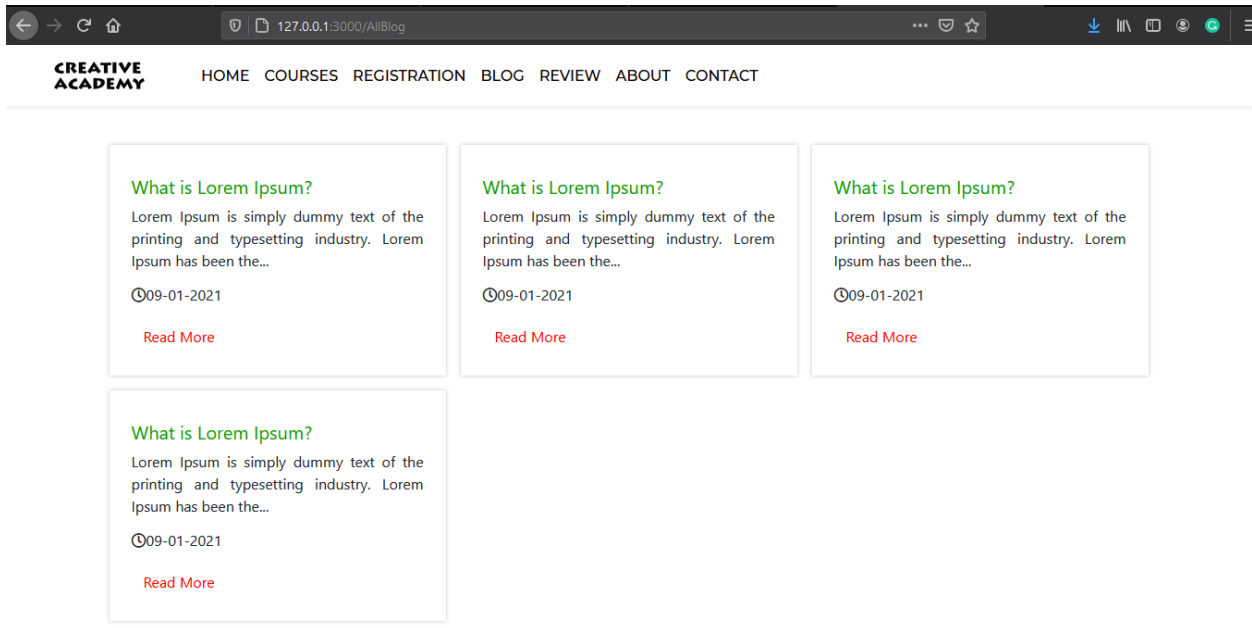
6.1.14 Add Review



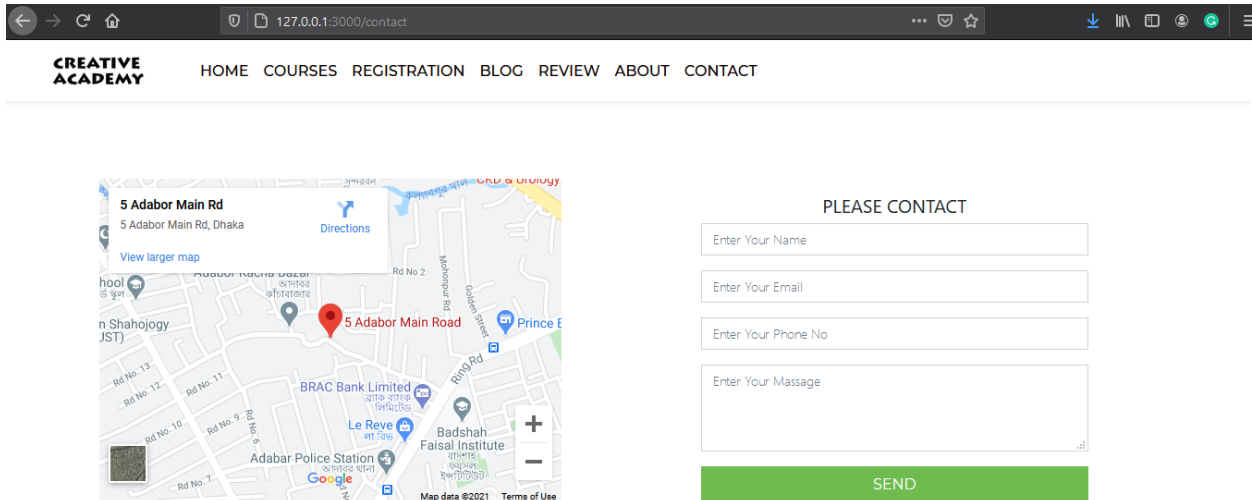
6.1.15 Logout for login student



6.1.16 View & read blog post

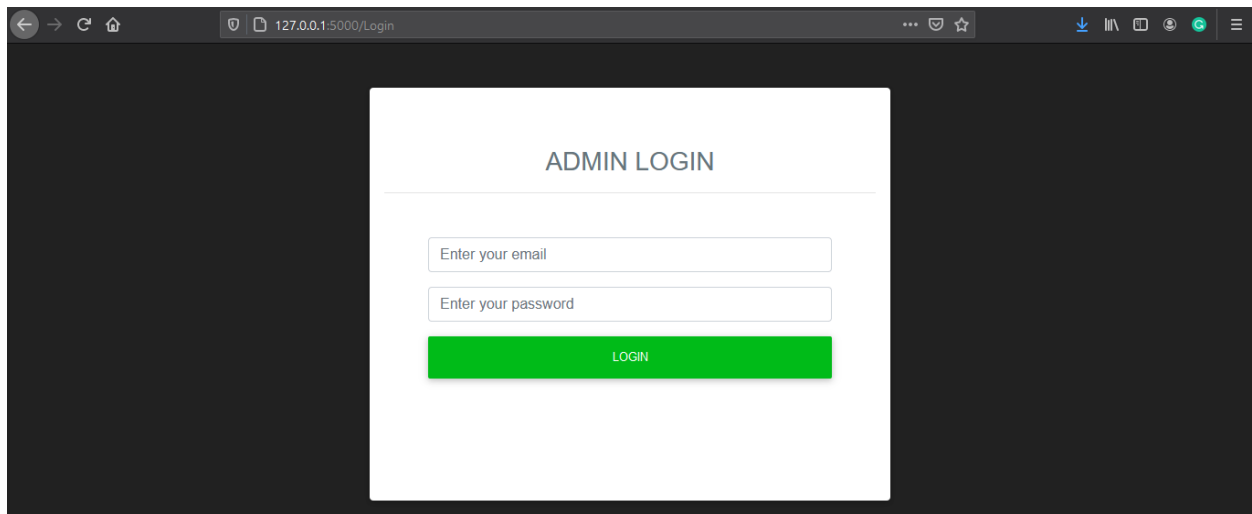


6.1.17 Contact form for student & visitor



6.2 User Manual (For Admin)

6.2.1 Login form



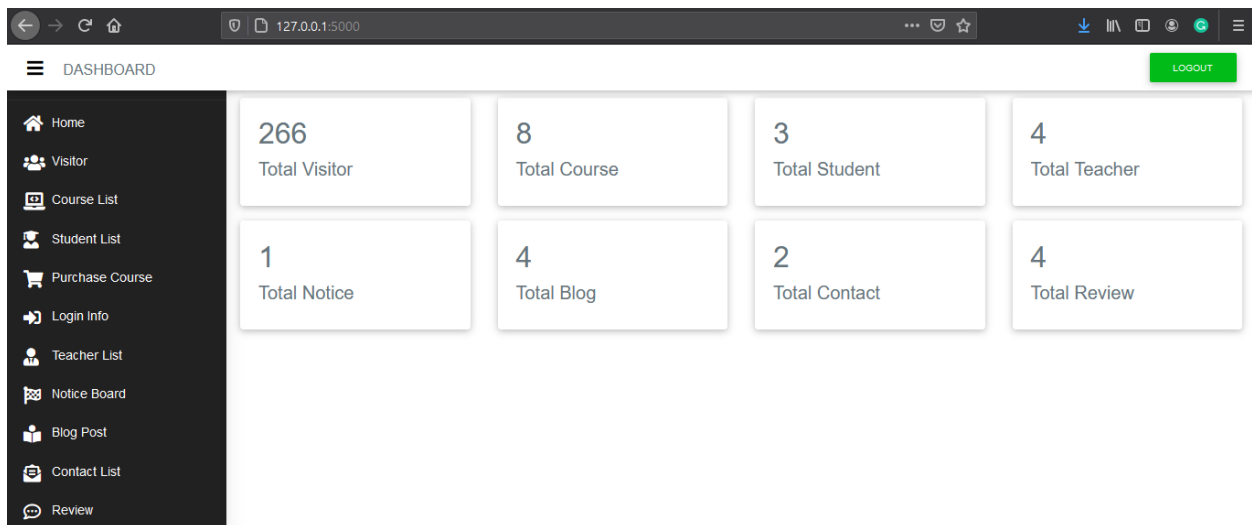
ADMIN LOGIN

Enter your email

Enter your password

LOGIN

6.2.2 Admin summary dashboard



DASHBOARD LOGOUT

266 Total Visitor	8 Total Course	3 Total Student	4 Total Teacher
1 Total Notice	4 Total Blog	2 Total Contact	4 Total Review

Home
Visitor
Course List
Student List
Purchase Course
Login Info
Teacher List
Notice Board
Blog Post
Contact List
Review

6.2.3 Visitor information

Dashboard: DASHBOARD LOGOUT

Visitor info

Show entries Search:

NO	IP	Time	Date
1	127.0.0.1	09:58:40am	06-01-2021
2	127.0.0.1	10:00:17am	06-01-2021
3	127.0.0.1	10:00:27am	06-01-2021
4	127.0.0.1	10:01:11am	06-01-2021
5	127.0.0.1	10:01:23am	06-01-2021
6	127.0.0.1	10:04:10am	06-01-2021
7	127.0.0.1	10:06:26am	06-01-2021
8	127.0.0.1	10:06:37am	06-01-2021
9	127.0.0.1	10:11:44am	06-01-2021
10	127.0.0.1	10:11:46am	06-01-2021

Showing 1 to 10 of 266 entries Previous **1** 2 3 4 5 ... 27 Next

6.2.4 View all course for admin

Dashboard: DASHBOARD LOGOUT

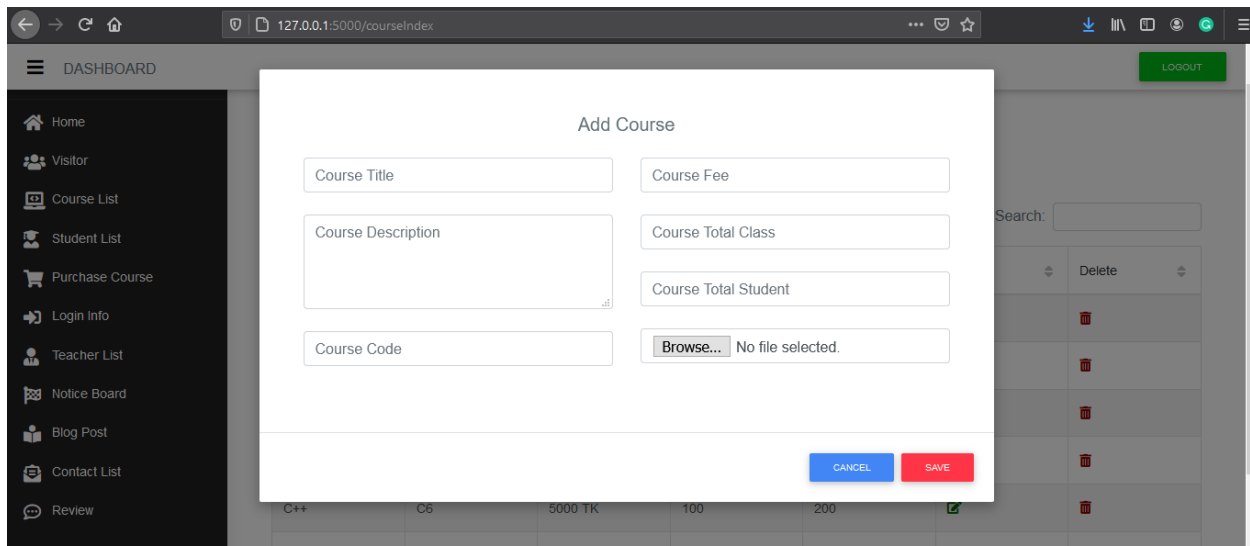
Course List

ADD NEW

Show entries Search:

Course Title	Course Code	Course Fee	Total Class	Total Student	Edit	Delete
Android	C3	3000 TK	100	200		
Angular	C5	3000 TK	100	200		
Asp.Net	C8	8000 TK	100	200		
C	C1	3000 TK	100	200		
C++	C6	5000 TK	100	200		
Java	C4	4000 TK	100	200		
Laravel	C2	6000 TK	100	200		

6.2.5 Add new course (click on the add new button)

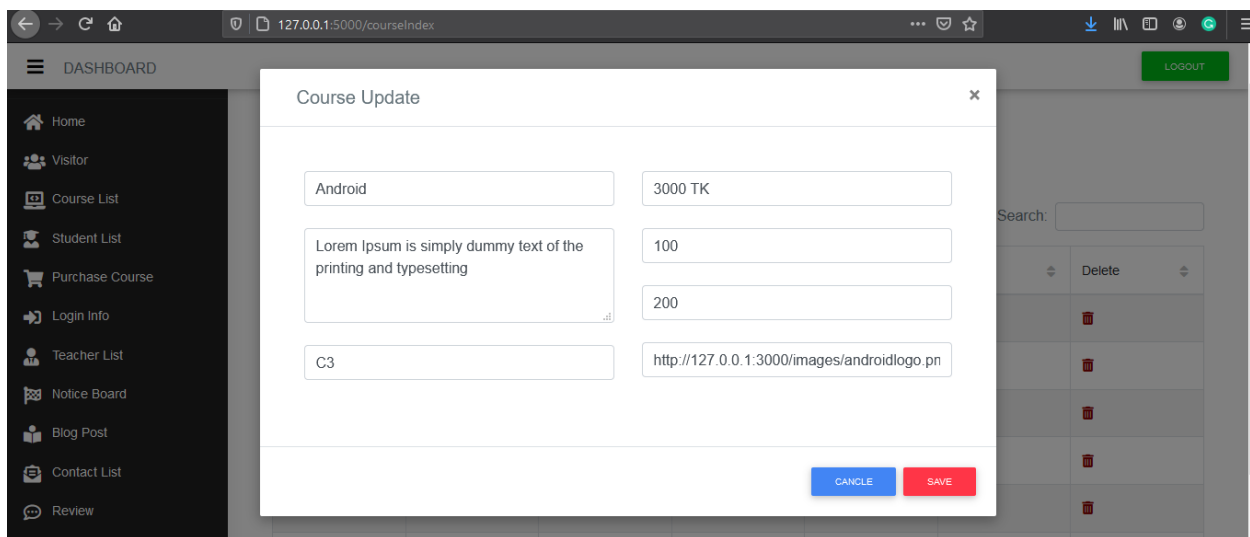


The screenshot shows a web application dashboard with a sidebar menu on the left containing items like Home, Visitor, Course List, Student List, Purchase Course, Login Info, Teacher List, Notice Board, Blog Post, Contact List, and Review. A 'DASHBOARD' header is at the top left, and a 'LOGOUT' button is at the top right. The main content area is partially obscured by a modal window titled 'Add Course'. The modal contains the following form fields:

- Course Title
- Course Fee
- Course Description
- Course Total Class
- Course Total Student
- Course Code
- Browse... No file selected.

At the bottom right of the modal are two buttons: 'CANCEL' (blue) and 'SAVE' (red).

6.2.6 Edit course info



The screenshot shows the same web application dashboard as above, but with a modal window titled 'Course Update' open. The modal contains the following form fields:

- Android
- 3000 TK
- Lorem Ipsum is simply dummy text of the printing and typesetting
- 100
- 200
- C3
- http://127.0.0.1:3000/images/androidlogo.pn

At the bottom right of the modal are two buttons: 'CANCEL' (blue) and 'SAVE' (red).

6.2.7 View all student information

Dashboard: DASHBOARD LOGOUT

Home
Visitor
Course List
Student List
Purchase Course
Login Info
Teacher List
Notice Board
Blog Post
Contact List
Review

Student List

Show 10 entries Search:

Student Name	Student Email	Student Phone	Delete
monirul	monirul@gmail.com	01792706304	
sadid	sadid@gmail.com	12345678090	
sristy	sristy@gmail.com	12345678904	

Showing 1 to 3 of 3 entries Previous 1 Next

6.2.8 Purchase Course information

Dashboard: DASHBOARD LOGOUT

Home
Visitor
Course List
Student List
Purchase Course
Login Info
Teacher List
Notice Board
Blog Post
Contact List
Review

Purchase Course

Show 10 entries Search:

Phone	Code	Payment	TrxD	Payment Mob	Status	Edit	Delete
01792706304	C2	Bkash	ASHYRFAHS	01792706304	active		

Showing 1 to 1 of 1 entries Previous 1 Next

6.2.9 Approve to student pending account

The screenshot shows a web application interface with a sidebar menu on the left containing items like Home, Visitor, Course List, Student List, Purchase Course, Login Info, Teacher List, Notice Board, Blog Post, Contact List, and Review. The main content area displays a table of student entries. A modal dialog titled "Status Update" is open in the center, featuring a text input field containing the word "active", a "CANCEL" button, and a "SAVE" button. The background table shows a single entry with a status of "active".

6.2.10 View all course teacher information

The screenshot displays the "All Teacher List" page. At the top, there is an "ADD NEW" button and a search input field. Below this is a table with the following data:

Teacher Name	Teacher Specialist	Teacher Email	Teacher Phone	Edit	Delete
kamal	android	teacher@gmail.com	01792706304		
monirul	web programming	monirul@gmail.com	01782992838		
sumon	web development	sumon@gmail.com	01782992860		
zihad	python	zihad@gmail.com	017865432789		

Below the table, it indicates "Showing 1 to 4 of 4 entries" and includes "Previous" and "Next" navigation buttons.

6.2.11 Add new course teacher

The screenshot displays a web application interface for managing teachers. A modal window titled "Add Teacher" is open, containing the following input fields:

- Teacher Name
- Teacher Specialist
- Teacher Email
- Teacher Phone
- Teacher Password

At the bottom of the modal are "CANCEL" and "SAVE" buttons. The background shows a "Teacher List" table with columns for Name, Edit, and Delete. The table contains the following data:

Teacher Name	Edit	Delete
kamal		
monirul		
sumon		
zihad		

6.2.12 Update teacher information

The screenshot displays a web application interface for updating teacher information. A modal window titled "Teacher Update Details" is open, containing the following input fields:

- Teacher Name (pre-filled with "kamal")
- Teacher Specialist (pre-filled with "android")
- Teacher Email (pre-filled with "kamal@gmail.com")
- Teacher Phone (pre-filled with "01792706308")

At the bottom of the modal are "CANCEL" and "SAVE" buttons. The background shows a "Teacher List" table with columns for Name, Edit, and Delete. The table contains the following data:

Teacher Name	Edit	Delete
kamal		
monirul		
sumon		
zihad		

6.2.13 View all notice or message

The screenshot displays a web application interface for managing notices. On the left is a dark sidebar with a 'DASHBOARD' header and a 'LOGOUT' button in the top right. The sidebar lists navigation items: Home, Visitor, Course List, Student List, Purchase Course, Login Info, Teacher List, Notice Board (highlighted in red), Blog Post, Contact List, and Review. The main content area is titled 'Notice' and includes an 'ADD NEW' button, a 'Show 10 entries' dropdown, and a search box. A table below shows a list of notices with columns for ID, Notice Description, Edit, and Delete. The first row has ID '1' and a placeholder text description.

ID	Notice Description	Edit	Delete
1	Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum.		

6.2.14 Add new notice

The screenshot shows the 'Add Notice' modal dialog. The dialog is centered on the screen and has a title 'Add Notice'. It contains a text input field with the placeholder text 'Notice Description'. At the bottom right of the dialog are two buttons: 'CANCEL' (blue) and 'SAVE' (red). The background of the application is dimmed.

6.2.15 View all blog post

DASHBOARD

LOGOUT

ADD NEW

Show 10 entries

Search:

ID	Blog Title	Blog Description	Date	Edit	Delete
5	What is Lorem Ipsum?	Lorem ipsum is simply dummy text of the printing and typesetting industry. Lorem ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has su	09-01-2021		
6	What is Lorem Ipsum?	Lorem ipsum is simply dummy text of the printing and typesetting industry. Lorem ipsum	09-01-2021		

Blog Post

6.2.16 Add new blog post

DASHBOARD

LOGOUT

Add Blog

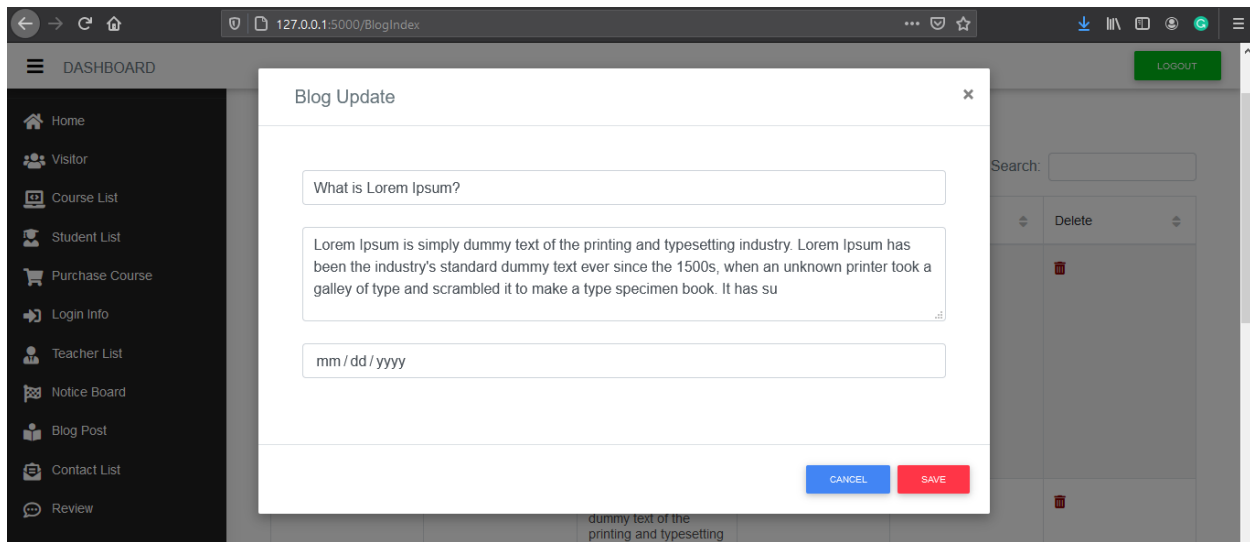
Blog Title

Blog Description

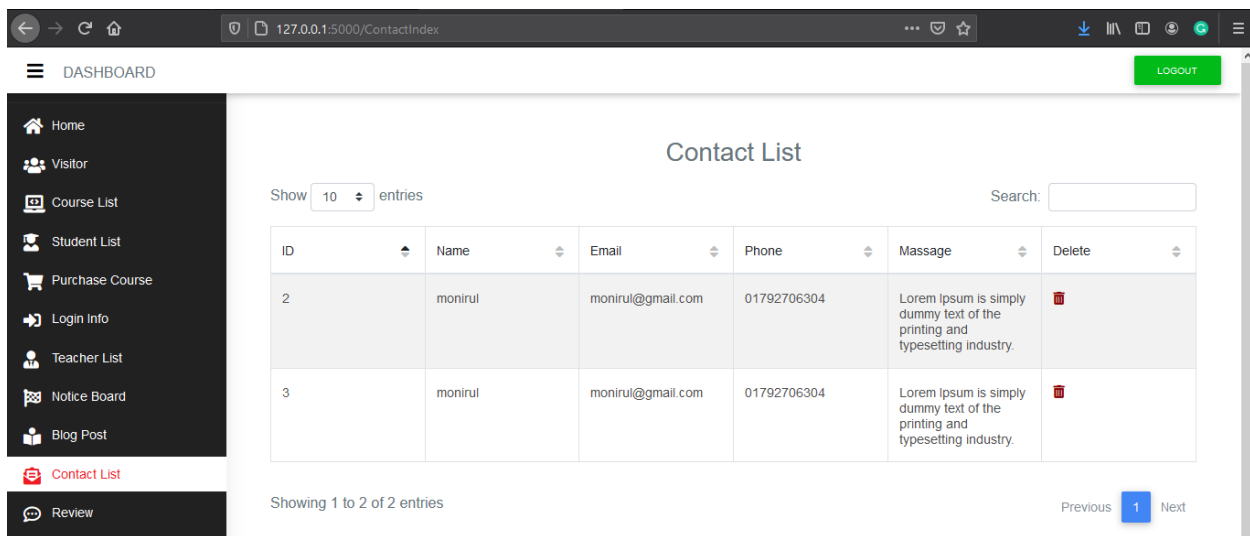
mm / dd / yyyy

CANCEL SAVE

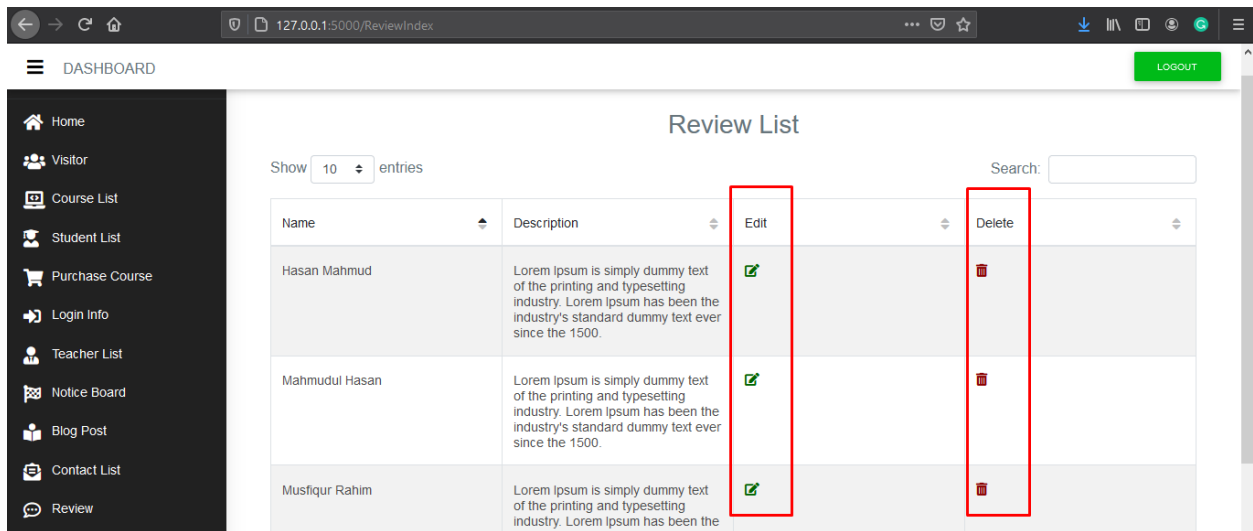
6.2.16 Edit blog post



6.2.17 View all student contact list



6.2.18 View review or feedback of student



DASHBOARD

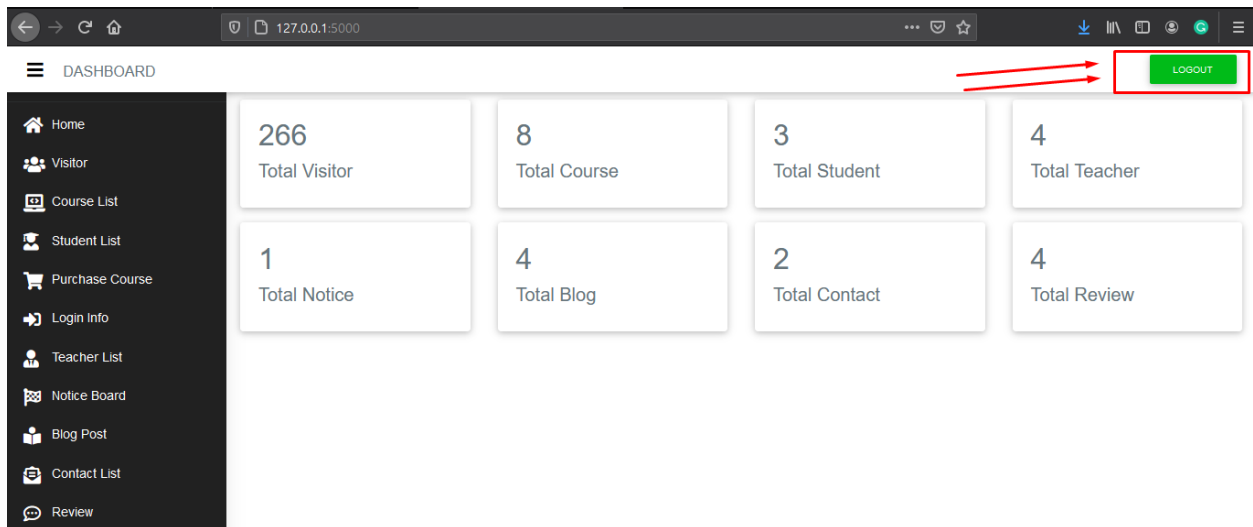
Logout

Review List

Show 10 entries Search:

Name	Description	Edit	Delete
Hasan Mahmud	Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500.	✓	✖
Mahmudul Hasan	Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500.	✓	✖
Mustiqr Rahim	Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the	✓	✖

6.2.19 Admin Can log out



DASHBOARD

Logout

266 Total Visitor

8 Total Course

3 Total Student

4 Total Teacher

1 Total Notice

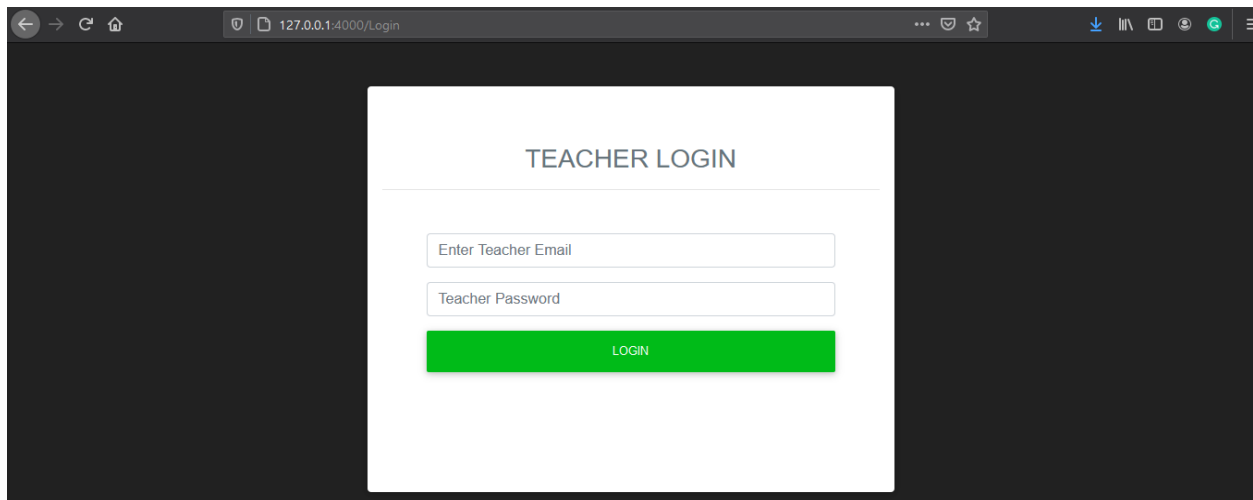
4 Total Blog

2 Total Contact

4 Total Review

6.3 User Manual (For Teacher)

6.3.1 Login Form



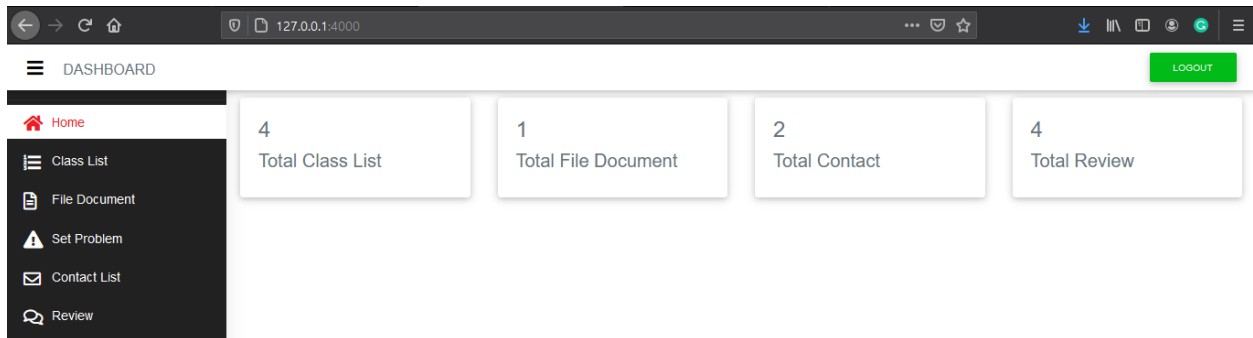
TEACHER LOGIN

Enter Teacher Email

Teacher Password

LOGIN

6.3.2 View teacher dashboard summary



DASHBOARD

Logout

Home

- Class List
- File Document
- Set Problem
- Contact List
- Review

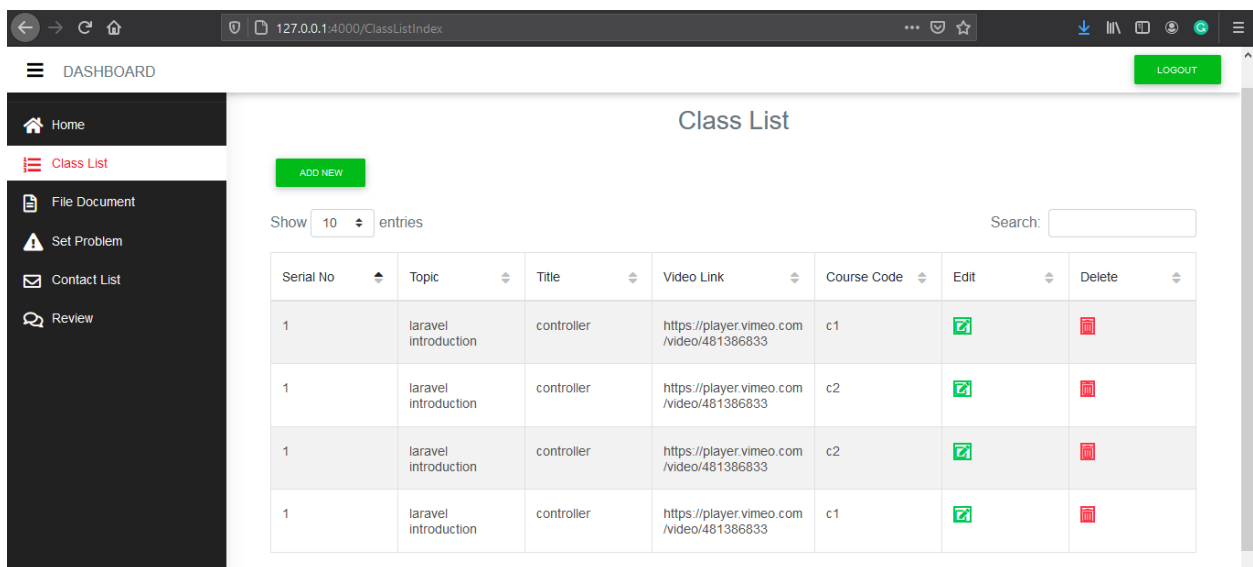
4 Total Class List

1 Total File Document

2 Total Contact

4 Total Review

6.3.3 View all course class list or materials



DASHBOARD

Logout

Home

- Class List
- File Document
- Set Problem
- Contact List
- Review

Class List

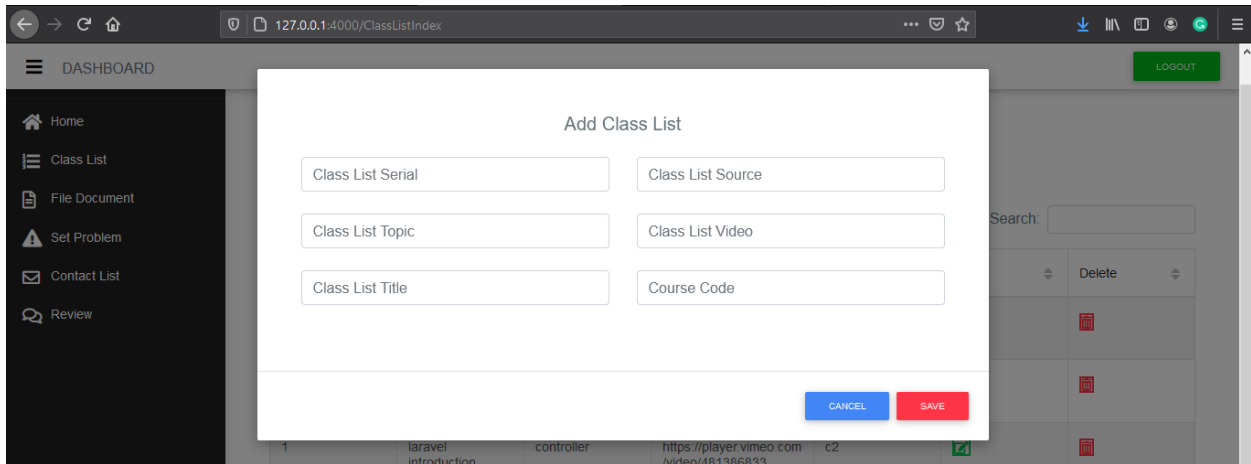
ADD NEW

Show 10 entries

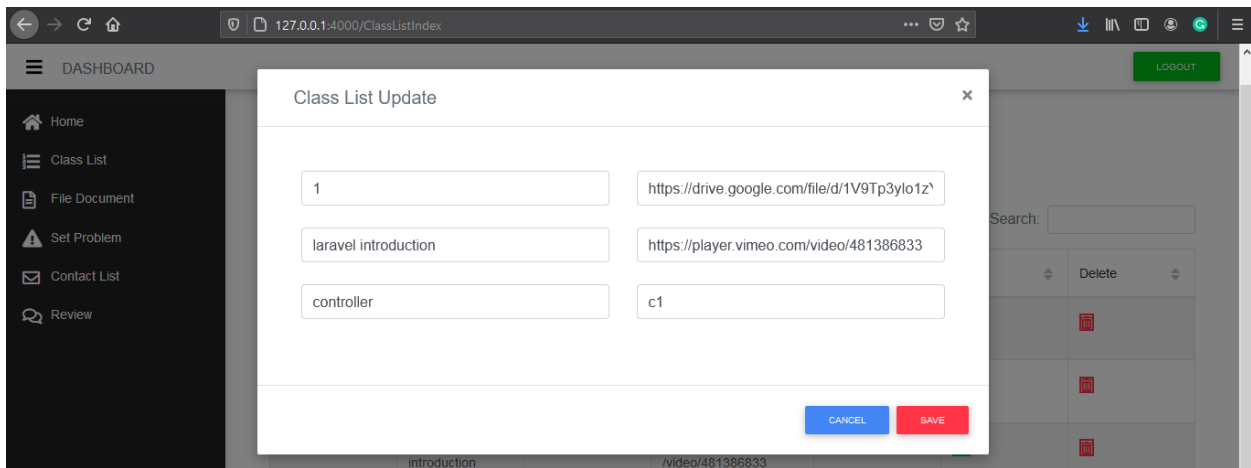
Search:

Serial No	Topic	Title	Video Link	Course Code	Edit	Delete
1	laravel introduction	controller	https://player.vimeo.com/video/481386833	c1		
1	laravel introduction	controller	https://player.vimeo.com/video/481386833	c2		
1	laravel introduction	controller	https://player.vimeo.com/video/481386833	c2		
1	laravel introduction	controller	https://player.vimeo.com/video/481386833	c1		

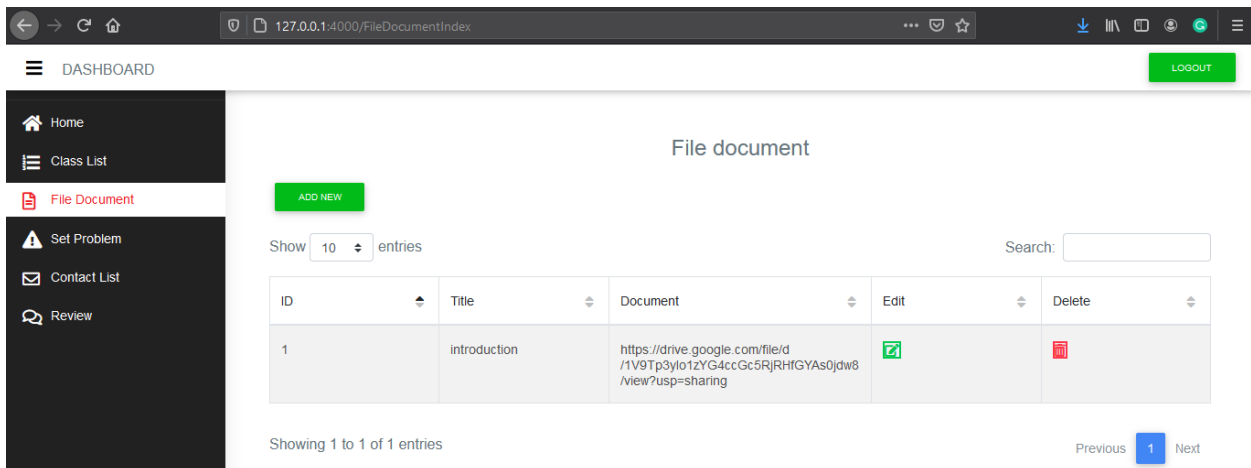
6.3.4 Add course materials



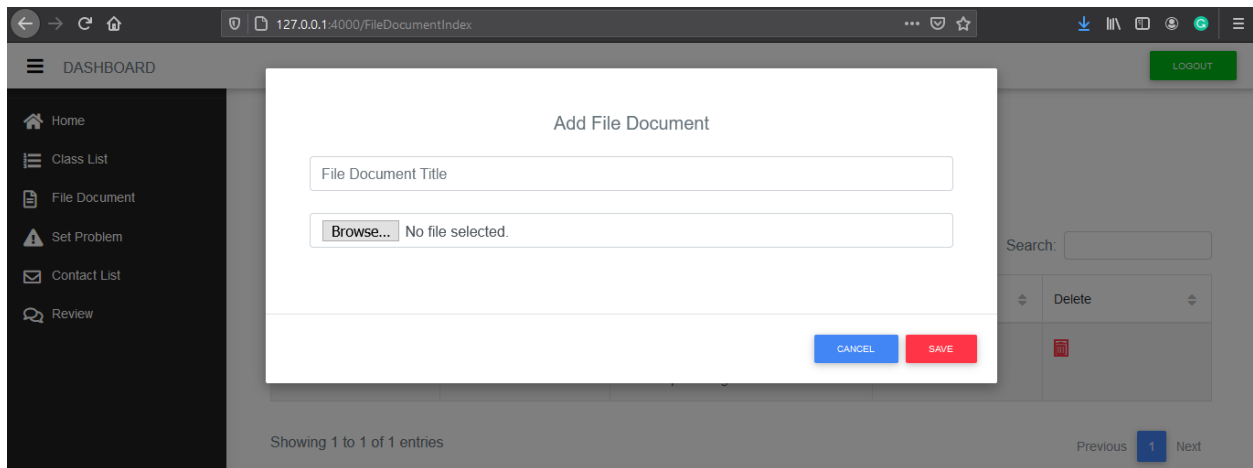
6.3.5 Edit course materials



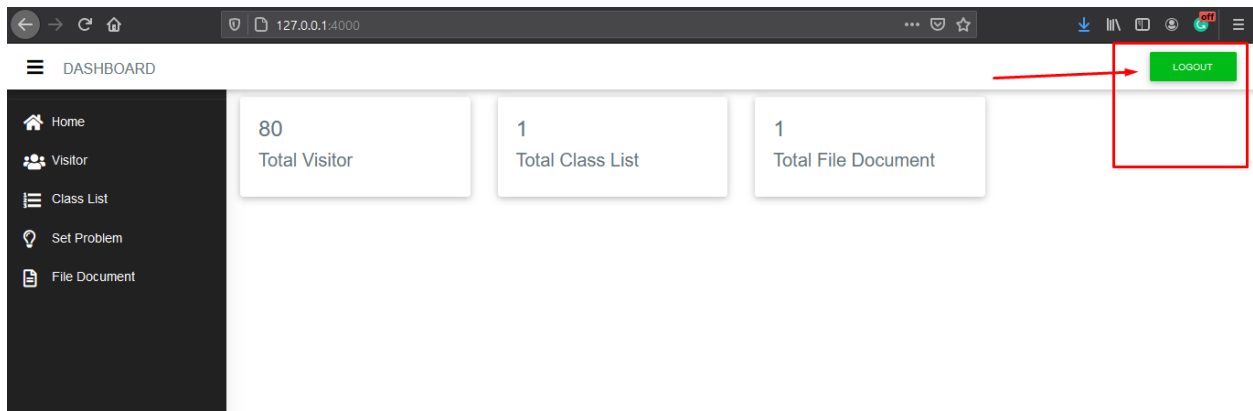
6.3.6 View all file document



6.3.7 Add file document



6.3.8 Teacher logout



CHAPTER 7

CONCLUSION

7.1 GitHub Link

<https://github.com/monirulakand/Creative-Academy>

7.2 Project Summary

I have started to work on this project from November 2020. Actually, I built this project for student purpose. In Bangladesh, this system will only help IT, students to play a major role in acquiring IT course knowledge.

7.3 Limitation

I have tried my best to make the application better and fulfill requirements but some of them were not possibly make for time shortage.

- Payment Method: In my application, there is no real payment gateway method.
- Course certificate is not included.

7.4 Obstacles & Achievement Obstacles

- I am not so good in design part, but now I can work to do design part easily.
- Now I have the ability to fully develop a software by following a specific model.

7.5 Future Scope

- Notification for the registered user & forget password added.
- Course certificate will be added for Student.
- Student Progress will be added for students.
- Problem solving test feature will be added for student.

REFERENCES

1. <https://laravel.com/docs/7.x>
2. <https://www.w3schools.com/>
3. <https://www.sitepoint.com/writing-software-documentation/>
4. <https://www.studentstutorial.com/laravel/laravel-tutorial.php>
5. <http://www.trainerbd.com/training/>
6. <https://www.youtube.com/channel/UCFySUiNfhvtgdgTdWbXnn6Q>
7. <https://www.youtube.com/watch?v=5FFoW45Ypro>
8. <https://stackoverflow.com/questions/43607251/how-to-create-crud-easy-step-in-laravel>
9. https://datatables.net/examples/basic_init/

PLAGIARISM REPORT

2/1/2021

Turnitin

Turnitin Originality Report	
Processed on: 01-Feb-2021 16:25 +06 ID: 1498971733 Word Count: 9206 Submitted: 1	
Similarity Index 17%	Similarity by Source Internet Sources: 16% Publications: 2% Student Papers: 8%
171-35-1812 By Monirul Islam Akand	

5% match (Internet from 01-Apr-2020) https://www.slideshare.net/RaihanMahmud5/remote-doctor-project-report
3% match (student papers from 09-Apr-2018) Class: Article 2018 Assignment: Journal Article Paper ID: 943573869
1% match (Internet from 10-Nov-2020) http://dspace.daffodilvarsity.edu.bd:8080/bitstream/handle/123456789/3552/P13658%20%287%25%29.pdf?isAllowed=y&sequence=1
1% match (Internet from 20-Feb-2020) http://dspace.daffodilvarsity.edu.bd:8080/bitstream/handle/123456789/3548/P13650%20%2828%25%29.pdf?isAllowed=y&sequence=1
1% match (Internet from 10-Jan-2020) http://dspace.daffodilvarsity.edu.bd:8080/bitstream/handle/123456789/3551/P13655%2823%25%29.pdf?isAllowed=y&sequence=1
1% match (Internet from 06-Jan-2020) http://dspace.daffodilvarsity.edu.bd:8080/bitstream/handle/123456789/3547/P13646%20%2824%25%29.pdf?isAllowed=y&sequence=1
< 1% match (Internet from 03-Jan-2020) http://dspace.daffodilvarsity.edu.bd:8080/bitstream/handle/123456789/3342/152-15-565%3d21%25.pdf?isAllowed=y&sequence=1
< 1% match (student papers from 04-Jun-2013) Submitted to University of Portsmouth on 2013-06-04