Overlap Exam Automation

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Declaration

I hereby declare that this project report has been done by us under the supervision of Afsana Begum, Lecturer (Senior Scale), Department of Software Engineering, Daffodil International University. I also declare that neither this report nor any part of this report has been submitted elsewhere for the award of any degree.

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Finally, we must acknowledge with due respect the constant support and patience of our parents

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Chapter 1

Introduction

1. Introduction

1.1 ProjectOverview:

In our university the existing system is not automated and it is time a consuming process for that reason it is quite hard to manage. My proposed system will remove this type of all redundancy. From this system student and teacher both will be benefited. Student will apply for overlap courses and teacher will verify the matter and then the will approve the application. It will reduce the value able time of student and teacher both.

1.2ProjectPurpose:

Make the processing system automated. It reduces the processing time and also benefited for both teacher and student.

1.2.1. Background

There is a problem of existing system. Student fill the form and submit it. It also takes a long time for collecting teacher signature. Teacher at first see the application then approved it. It takes a long time for making a list of overlap exam. I want to develop a automated system. In this website where student fill up the form online and check their status and teacher also get notification throughmail.

1.2.2 Beneficiaries andbenefits

- This website is fully functional andflexible.
- Student and teacher both benefited bywebsite.
- Easy tous.
- It reduces the processingtime
- This website safe andsecure

1.3 Stakeholders

2.2.1. Admin

2.2.2. Teacher

2.2.3. Student

1.5 ProjectSchedule

To complete the project at the right time, project schedule helps for proper planning. I also make a project schedule to complete my project properly.

1.5 Ganttchart

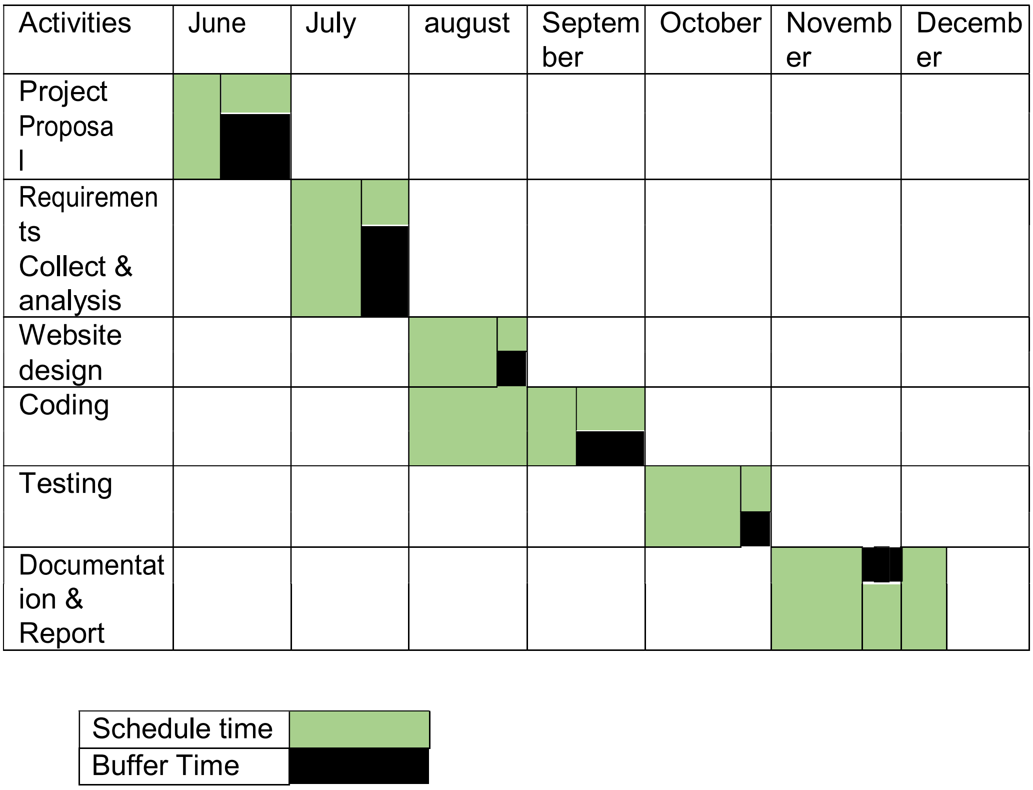


Figure – 1.5.1: Gantt chart

1.5.1 Milestone

Milestones, a timeline of a project, will clarify the task

Table-1.5.2: Milestone

Task	Task Name	Time
1	Project Planning	2week
2	Requirements gathering and analysis	2 week
3	Database design	2 week
4	UI design	2 week
5	Development	3week
6	Implementation	2 week
7	Testing	1 week
8	Evaluating the project	1 week

Chapter 2

Software Requirement Specification

2.1 Functional Requirements

2.1.1 User Registration

Fr-01	User Registration
Description	This system allow to user to registration the system using first name, last name, email, id, password and become a valid user
Stakeholder	**Teacher, student,**

2.1.2 Login

Table-2.1.2: Login

Fr-02	Login
Description	In this website there are 3 types users like student, teacher, admin etc. User can login after complete Registration. Admin can login anytime.
Stakeholder	**Teacher, student, admin**

2.1.3 Formsubmit

Table-2.1.3: Form Submit

Fr-03	Form submit
Description	In this website student can only submit their application for overlap examination. To submit a form a person should have registered as a student first.
Stakeholder	**Student**

2.1.4 View status

Table-2.1.4: View status

Fr-04	View status
Description	In this website student can only view their status who are already submit their application.
Stakeholder	**Student**

2.1.5 View routine

Table-2.1.5: View routine

Fr-05	**View routine**
Description	All user can view the current routine who are visit the website .
Stakeholder	**Student, teacher, admin**

2.1.6 Notification

Table-2.1.6: Notification

Fr-06	**Notification**
Description	Teacher will get notification through mail when a form submit from student .
Stakeholder	**Teacher**

2.1.7 View application

Table-2.1.7: View application

Fr-07	**View application**
Description	Teacher who will get notification they can view the application. But teacher must have registered. After login they can view application.
Stakeholder	**Teacher**

2.1.8 Allow and denyApplication

Table-2.1.8: Allow and deny Application

Fr-08	**Allow and deny Application**
Description	Teacher who will get notification they can view application and they will have two option allow application or deny application.
Stakeholder	**Teacher**

2.1.9 Allow, deny and pendinglist

Table-2.1.9: Allow, deny and pending list

Fr-09	**Allow, deny and pending list**
Description	Admin and teacher can view all allow, deny and pending application list.
Stakeholder	**Admin, teacher**

2.1.10 Searchapplication

Table- 2.1.10 Search application

Fr-10	**Search application**
Description	In this system both admin and teacher will search application. If they want any specific application they can search inputting mid and semester name.
Stakeholder	**Student**

2.2 DataRequirement

- Full information ofuser
- Need to know about how systemwork
- Managing skills and programmingskills

2.3Performancerequirements

It’s very necessary to maintain the performance of the project. To assure the better performance, this project has to meet some requirements which will provide the better performance.

2.3.1 Speed and LatencyRequirements

While inserting or viewing the website in the browser, website need a minimum amount of speed to perform the task

Table-2.3.1 Speed and Latency Requirements

Slr-01	**The system will be faster**
Description	When user browsing, it depends on internet speed. It also depends on server bandwidth speed.
Stakeholder	**Admin, teacher, student.**

2.3.2 Precision and AccuracyRequirements

Website has to confirm the Legibility and Accuracy of the data.

Table-2.3.2: Precision and Accuracy Requirements

Lar-01	**Data Accuracy**
Description	Data should have to accurate at the time of inputting. If the data will not accurate system will not allow to save the data. Like registration, login when user run the application first time they must register with validdata input.
Stakeholder	**Admin, teacher, student**

2.3.3 CapacityRequirement

The website should maintain the all inserting data.

Table-2.3.3: Capacity Requirement

Cr-01	**The system will manage all the inserting data in database.**
Description	All registration data like Student registration data, Teacher registration data, Form information are store in the database.
Stakeholder	**Teacher, Student.**

2.4 DependabilityRequirements

Dependability means, it measures of a website availability, reliability, security etc. Here, dependability means the running time of this project.

2.4.1. Reliability and requirements

Table-2.4.1: Reliability and requirements

RR-01	Our system is more reliable.
Description	The system is able to behave consistently active in our varsity
Stakeholders	Admin

2.4.2 AvailabilityRequirements

Table-2.4.2: Availability Requirements

Ra-01	**The system must be available 24x7**
Description	• It’s available 24 hours in aday. • The system must be updatedregularly.
Stakeholder	**Teacher, Student**

2.4.3 Robustness orFault-Tolerance

Table-2.4.3: Robustness orFault-Tolerance

Rft-01	**The system handles over access and system error**
Description	Sometimes multiple user can over access to this system. The system can handle multiple user access
Stakeholder	N/A

2.4.4Safety criticalrequirements

There are no specific safety critical requirements.

2.5 Maintainability and SupportabilityRequirement

For Maintenance The website and support the website, some people associate the project.

2.5.1 MaintenanceRequirements

Table-2.5.1: MaintenanceRequirements

MR-01	**Website helps to Delete the member info at any time**
Description	Admin can delete member info if its fake
Stakeholder	Admin

2.5.2Supportability RequirementsSpecification

SRS-1. To understand the website's behavior on a technical support is required by the website operator. The reason for reading them might be

SRS-2. Website malfunction has occurred and the system operator has to find the exactpoint of time when this happened

SRS-3. Website produces wrong results and the developers must be able to reproduce the data flow through the system

SRS-4. Hacker tried to breach the website's security mechanisms and the website operator must understand what he did.

2.5.3 AdaptabilityRequirements

There are no specific adaptability Requirements.

2.5.4 Scalability or ExtensibilityRequirement

No Visible extensibility requirements

2.6 Security requirements

There are no access requirements beside those that have been outlined

in the below:

SR-1. Log in as an Admin

SR-2. Login

as a Teacher

SR-3. Login

as a Student

To get access to this system or a specific module the system must provide a central authentication mechanism. In order to prevent anyone to exploit stolen participants all participants password must be encrypted in hash process.

2.6.1Accessibility Requirements

This website provides accesses the different module, by access the authentication way the authentic user.

2.6.2. Integrity requirements

To protect credentials of user from being stolen, all passwords are stored in encrypted form. The Requirements significantly reduces the value of stolen user credentials, it's not easy to decrypt the password.

2.6.3 Privacy Requirements

Table- 2.6.3: Privacy Requirements

PR-01	**All data will be protected**
Description	The main requirement in the context is the generation of participant's data for analysis

2.7 Usability and Human-InteractionRequirements

This website easy to use and all of the people who wants to take part overlap exam.

2.7.1 Ease of Use Requirements

To make specific consumers to achieve quantified objectives with more effectiveness, satisfaction and efficiency in our system.

2.7.2Personalization and InternationalizationRequirements

There are no internationalization requirements added. We only make it automated for our overlap exam processing system.

2.7.3 Understandability and PolitenessRequirements

This system is very easy to use and understand, and simple user-interface.
Anyone can easily access this system easily

2.7.4 AccessibilityRequirements

There are no specific accessibility requirements.

2.7.5 User DocumentationRequirements

Table-2.7.5: User Documentation Requirements

UDR-01	**The system developer documentation**
Description	To develop my project , I have specified the requirements of user documentation I involved to my project documentation
Stakeholder	Website developer

2.7.6 TrainingRequirements

There are no training requirements needed to build this system.

2.8 Look and FeelRequirements

There should not exist any unnecessary things on this project.

2.8.1 Appearance Requirements

Table-2.8.1: Appearance Requirements

LF-01	**Labels of mandatory fields must be bold**
Description	Labels of mandatory fields must be bold to identify them as being of mandatory.
Stakeholders	Admin

2.8.2 Style Requirements

Table-2.8.2: Style Requirements

LF-02	**The look and feel must be manageable using style sheet.**
Description	The styling of the elements of the web based user interface will be defined using CSS, JavaScript and bootstrap
Stakeholders	System Developer

2.9 Operational and environmental requirements

An operational and environmental requirement is very important because this project may not work in every environment and its operation may not accurate in every time.

2.9.1 Expected PhysicalRequirements

There are no specific expected physical requirements.

2.9.2 Requirement for Interfacing with AdjacentSystem

There is no specific interfacing with adjacent system requirements.

2.9.4 Release Requirements

There are no specific release requirements but in the project schedule section it was described briefly.

2.10 LegalRequirement

Fraudulent data and engaging third party software or third person is totally prohibited.

2.10.1 Compliance Requirements

Compliance requirements are only guidelines for compliance with the hundreds of laws and regulations applicable to the specific type assistance used by the recipient, and their objectives are generic in nature due to the large number of federal programs. Each compliance requirement is identified by a letter, in alphabetical order.

2.10.2 StandardsRequirements

To comply with the Open Standards Requirement, an "open standard" must satisfy the following criteria. If an "open standard" does not meet these criteria, it will be discriminating against open source developers.

CHAPTER 3

System Analysis

3.1 Use CaseDiagram

Use case diagram, use to be describing the activities of the system in a graphical way. How many actors and how many activities how to work that represent in one diagram that is a use case. This view of user perspective of this system. Graphically represent all activities and all actors.

3.1.1 Use Case forAdmin

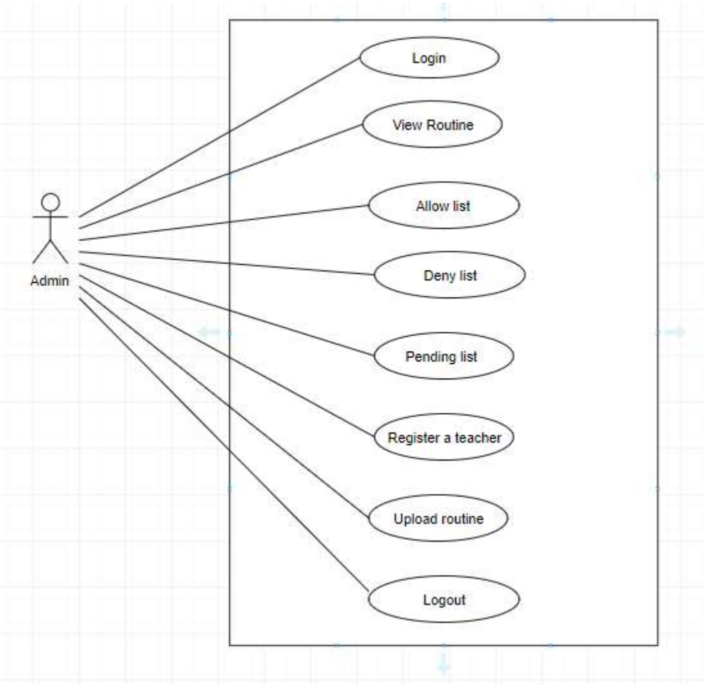


Figure-3.1.1: Use case Admin

3.1.2 Use Case ForTeacher

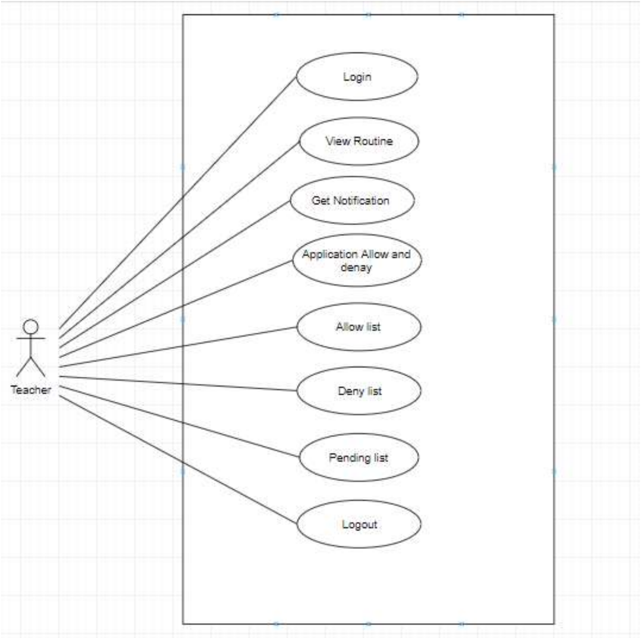


Figure-3.1.2: Use case Teacher

3.1.3 Use Case Diagram forStudent

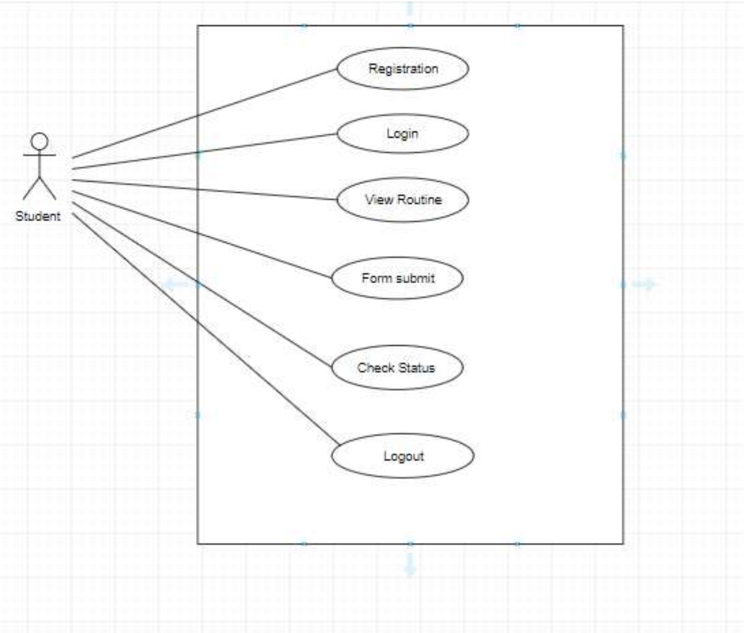


Figure-3.1.3: Use case Student

3.2 Use CaseDescription

3.2.1 UserRegistration

Table- 3.2.1: User Registration

Use Case Name	Register User
Actor	student
Description	It is an important functionality for storing registration information.
Goal	Without registration user cannot the system.
Priority	Essential
Trigger	Selecting Register
Pre-Condition	The system has supported with a Database to store data
Basic Path	User enters personal information
Post-Condition	Personal information is stored & user can login
Possible Enhancement	None

3.2.2. Login

Table-3.2.2: Login

Use Case Name	Login
Actor	Admin, Teacher, Student
Description	It is an important functionality for accessing the system
Goal	Authorized user can easily access
Priority	Essential
Trigger	Selecting Login
Pre-Condition	Teacher and Student must be registered
Basic Path	Admin, teacher and student enters email and password
Alternative Path	None
Post-Condition	Login and view dashboard
Possible Enhancement	None

3.2.3. View Routine

Table-3.2.3: View Routine

Use Case Name	View Routine
Actor	Admin, Teacher, Student
Description	It is important functionality for seeing exam routine.
Goal	All user can see the actual exam time
Priority	Optional
Trigger	Selecting routine
Pre-Condition	All user must be Logged In
Basic Path	All user can easily make a decision for exam
Alternative Path	None
Post-Condition	View routine
Possible Enhancement	None

3.2.4. Formsubmit

Table-3.2.4: Form submit

Use Case Name	Form submit
Actor	Student
Description	It is an important functionality for storing application
Goal	application must be successfully store in database
Priority	Essential
Trigger	Selecting application information
Pre-Condition	Student must be Logged In
Basic Path	Student enter form information
Alternative Path	None
Post-Condition	Application stored in database
Possible Enhancement	None

3.2.5 Check Status

Table- 3.2.5 Check Status

Use Case Name	Check status
Actor	Student
Description	It is an important functionality for checking store status.
Goal	Check status that are store in database
Priority	Essential
Trigger	Selecting status information
Pre-Condition	Student must be Logged In
Basic Path	Student must submit form
Alternative Path	None
Post-Condition	Status stored in database
Possible Enhancement	None

3.2.6. GetNotification

Table-3.2.6: Get Notification

Use Case Name	Get Notification
Actor	Teacher
Description	It is an important functionality for managing notification
Goal	teacher get notification through mail for each application that they can view the application
Priority	Essential
Trigger	Getting notification
Pre-Condition	Form must be submitted
Basic Path	Teacher must registered
Alternative Path	None
Post-Condition	Send notification through mail
Possible Enhancement	None

3.2.7. Allow and denyApplication

Table-3.2.7: Allow and deny Application

Use Case Name	Allow and deny application
Actor	Teacher
Description	It is an important functionality for allow and deny application
Goal	Allow and denied application must be

successfully store in database
Essential
Press allow or deny
Teacher must be Logged In
Teacher allow or deny the application for exam and the system stored in database
None
Allow and deny application stored in database
None

3.2.8 Register a teacher

Table-3.2.8: Register a teacher

Use Case Name	Register a teacher
Actor	Admin
Description	It is an important functionality for storing all teacher information
Goal	Teacher information must be successfully store in database
Priority	Essential
Trigger	Selecting teacher registration
Pre-Condition	Admin must be Logged In
Basic Path	Admin enters teachers all information
Alternative Path	None
Post-Condition	Teacher stored in database
Possible Enhancement	None

3.2.9. View Allow, Deny and Pending applicationlist

Table-3.2.9: View Allow, Deny and Pending application list

Use Case Name	View Allow, Deny and Pending application list
Actor	Admin, Teacher
Description	It is an easy functionality for seeing all application list
Goal	How many applications are allowing, deny and pending are store in database. Admin and Teacher can easily view list
Priority	Essential
Trigger	Selecting all application list
Pre-Condition	Admin and teacher must be Logged In
Basic Path	Admin, TeacherClick application list
Alternative Path	None
Post-Condition	View all application list

3.2.10. UploadRoutine

Table: 3.2.10: Upload Routine

Use Case Name	Upload Routine
Actor	Admin
Description	It is an important functionality for uploading a new routine
Goal	Upload a new pdf routine that can see the all user
Priority	Essential
Trigger	uploading routine
Pre-Condition	Admin must be Logged In
Basic Path	Admin must click upload file
Alternative Path	None
Post-Condition	View the new routine
Possible Enhancement	None

3.2.11 SearchApplication

Table-3.2.11: Search Application

Use Case Name	Search Application
Actor	Admin , Teacher
Description	It is an easy functionality for searching application information
Goal	Admin, Teacher easily find out a patient
Priority	Optional
Trigger	Selecting Application Information
Pre-Condition	Admin, teacher must be Logged In
Basic Path	Admin, teacher can enter mid and semester name for search
Alternative Path	None
Post-Condition	View the matching application information
Possible Enhancement	None

3.2.12 Logout

Table-3.2.12: Logout

Use Case Name	Logout
Actor	Admin, Teacher, Student

Description	It is a functionality for finishing the work
Goal	Finish the work all user must be logout
Priority	Essential
Trigger	Selecting dashboard
Pre-Condition	All user must be Logged In
Basic Path	All user Click Logout
Alternative Path	None
Post-Condition	Logout Successfully Done
Possible Enhancement	None

3.3 ActivityDiagram

Activity diagram is the process of representations of all work flow of step by step activity and option. Activity diagram is a flowchart for representing one activity to another activity. Its show all operation of this system.

3.3.1 Activity Diagram forAdmin

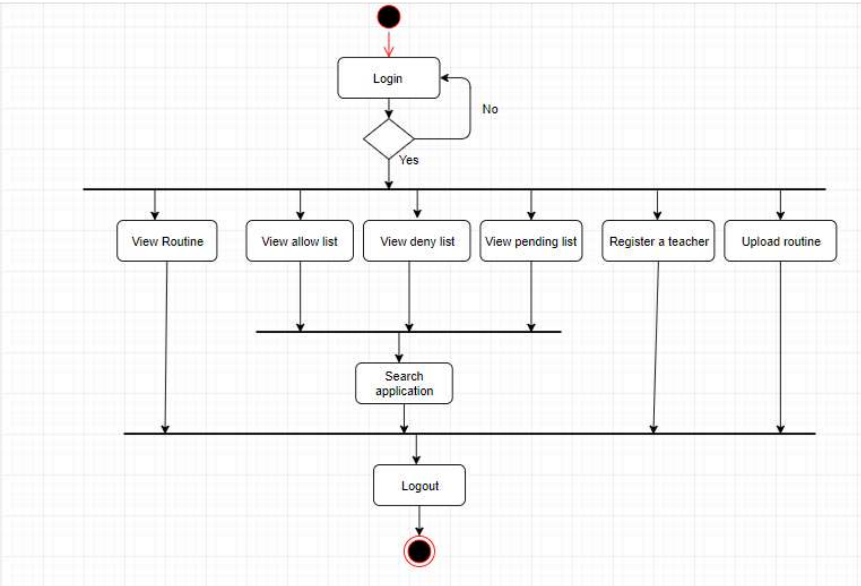


Figure-3.3.1: Activity Diagram For Admin

3.3.2 Activity Diagram forTeacher

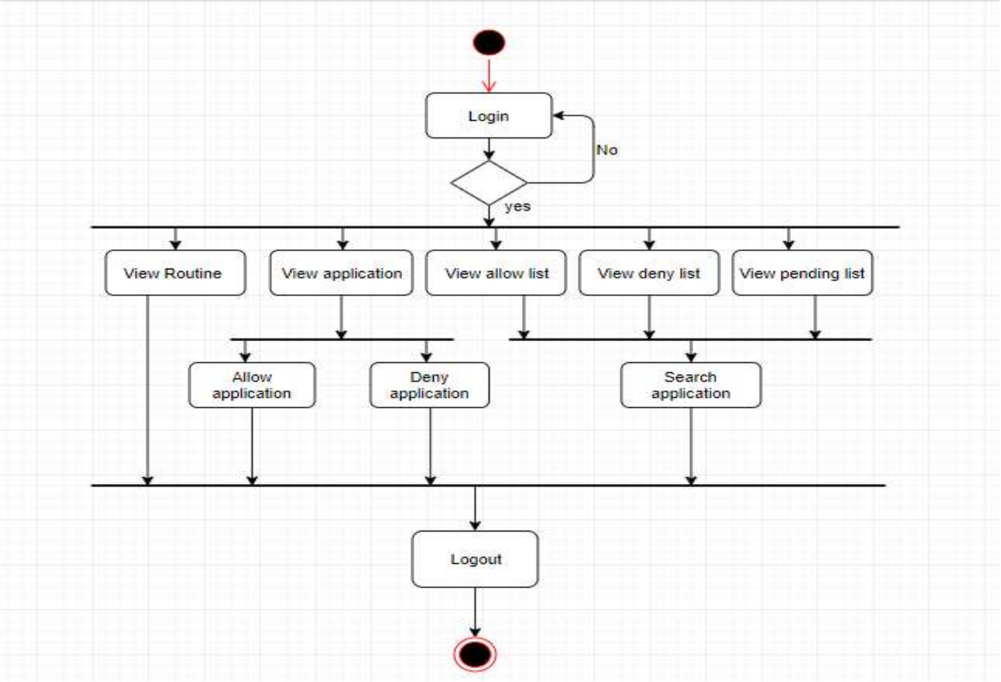


Figure-3.3.2: Activity Diagram for Teacher

3.3.3 Activity DiagramStudent

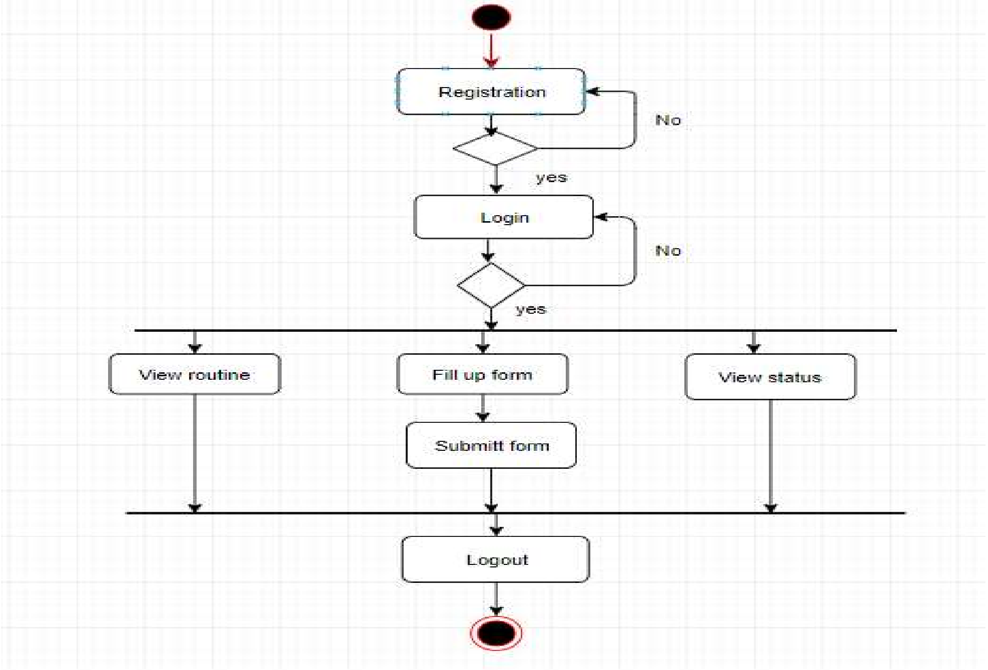


Figure-3.3.3: Activity Diagram Student

3.4 System SequenceDiagram:

3.4.1 Student Registration SequenceDiagram

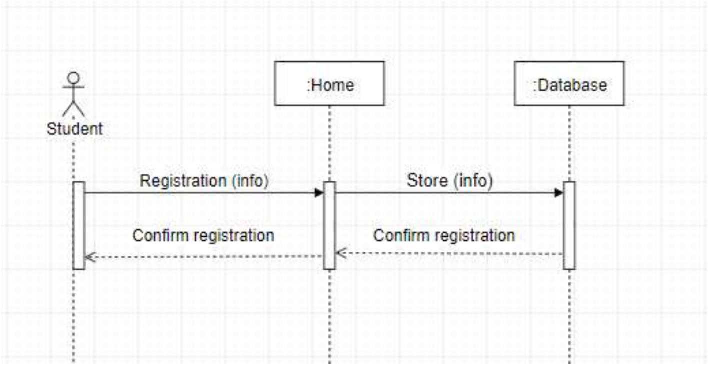


Figure-3.4.1 : Student Registration Sequence Diagram

3.4.2 Register a Teacher SequenceDiagram

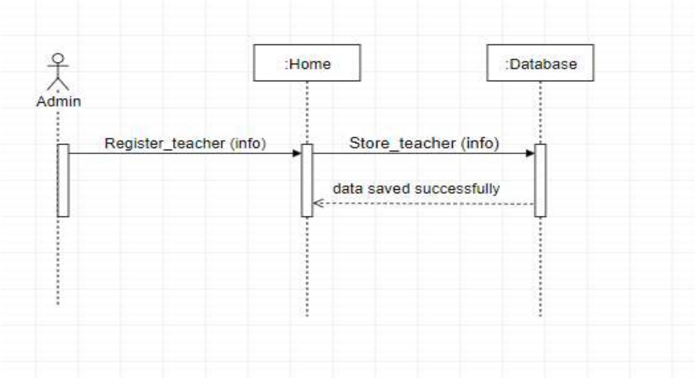


Figure-3.4.2: Register a Teacher Sequence Diagram

3.4.3 Form Submit SequenceDiagram

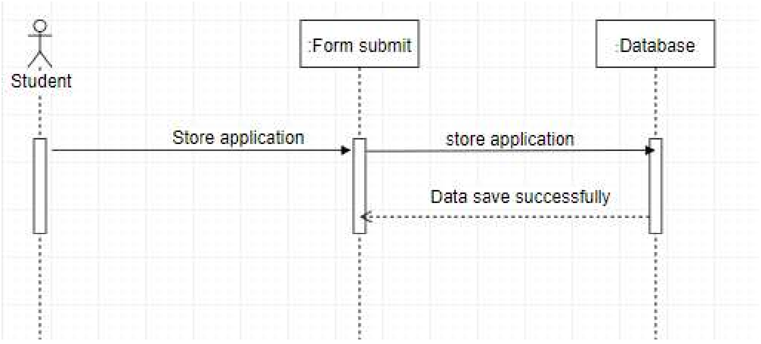


Figure-3.4.3: Form Submit Sequence Diagram

3.4.4 Application Allow and Deny SequenceDiagram

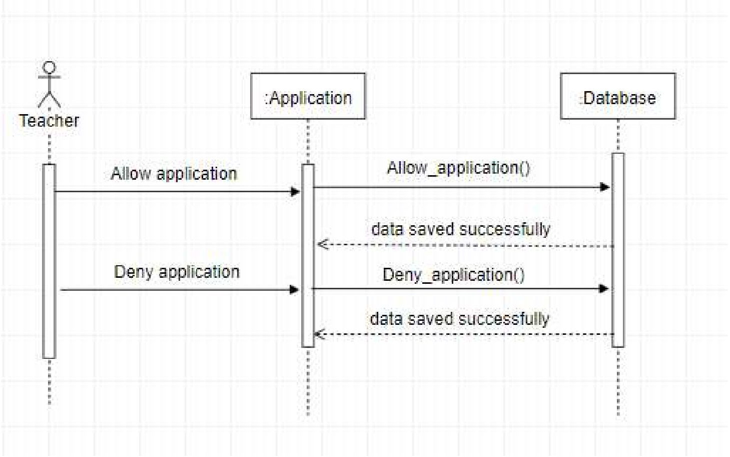


Figure-3.4.4: Application Allow and Deny Sequence Diagram

3.4.5 Search Application SequenceDiagram

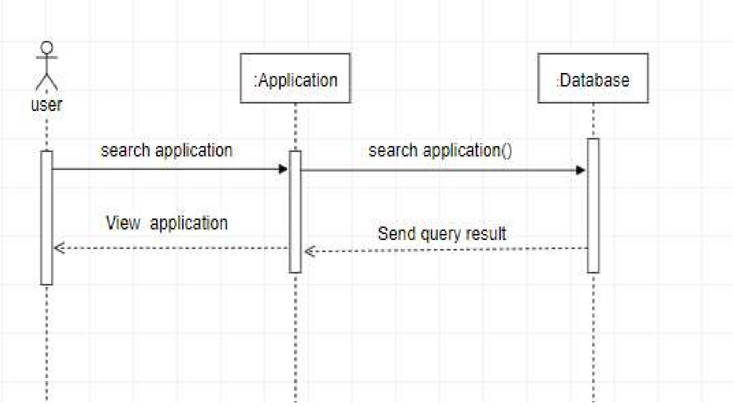


Figure-3.4.5: Search Application Sequence diagram

3.4.6 View Application SequenceDiagram

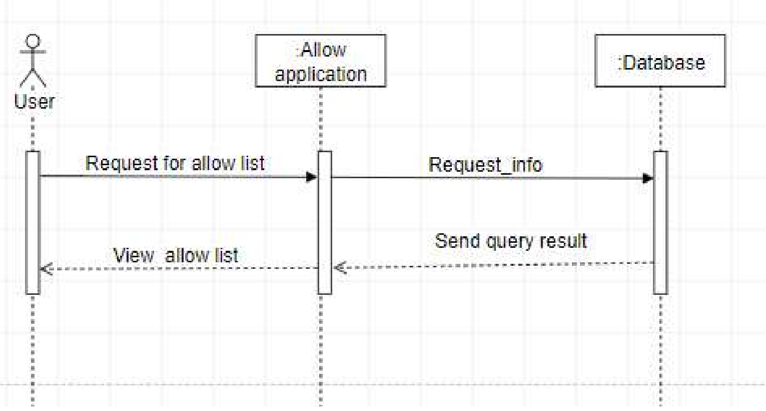


Figure-3.4.6: View Application Sequence Diagram

3.4.7 Login SequenceDiagram

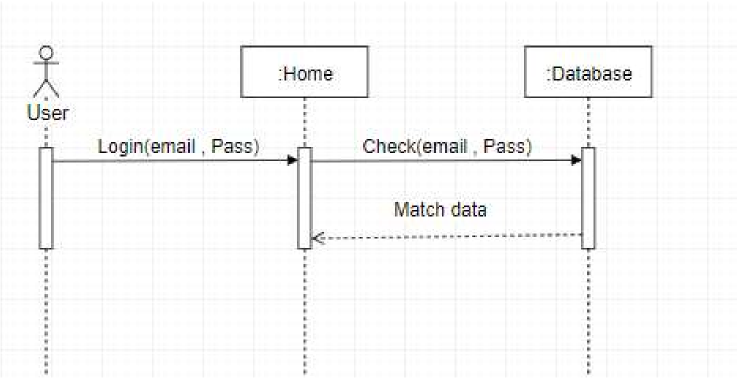


Figure-3.4.7: Login Sequence Diagram

Chapter 4

System Design specification

4.3 ClassDiagram

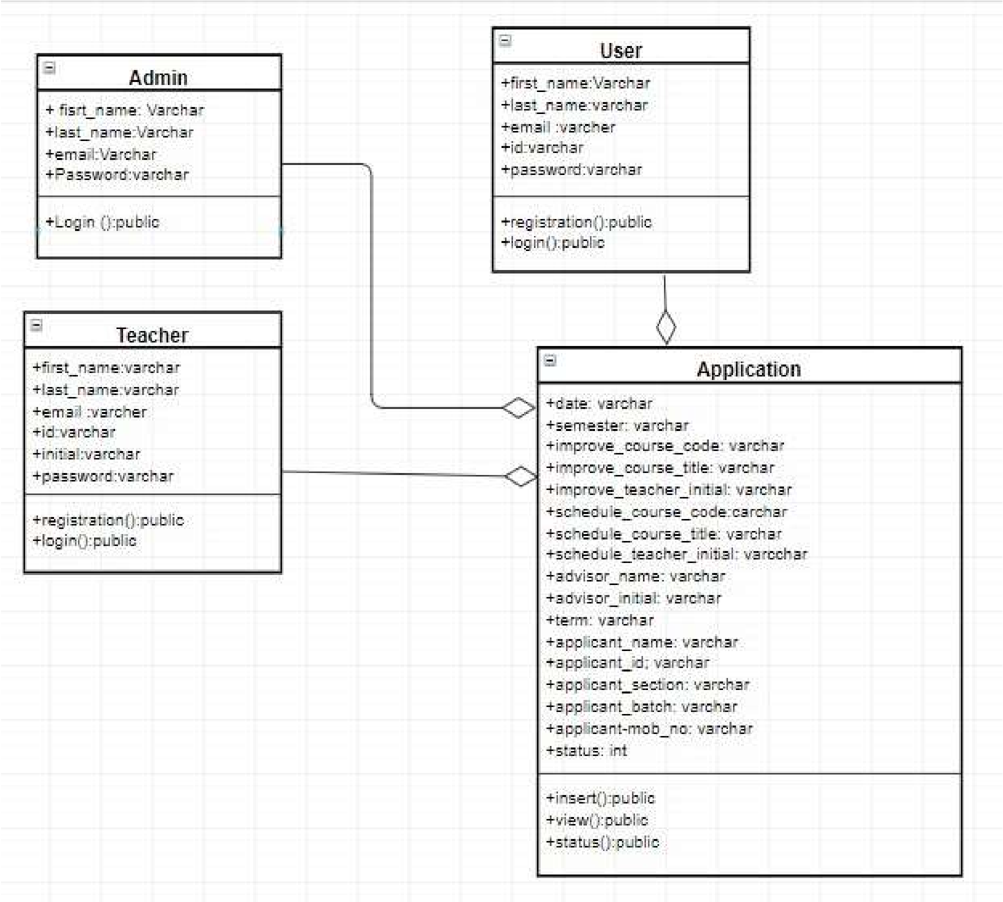


Figure-4.3: Class Diagram

4.4 Database Diagram

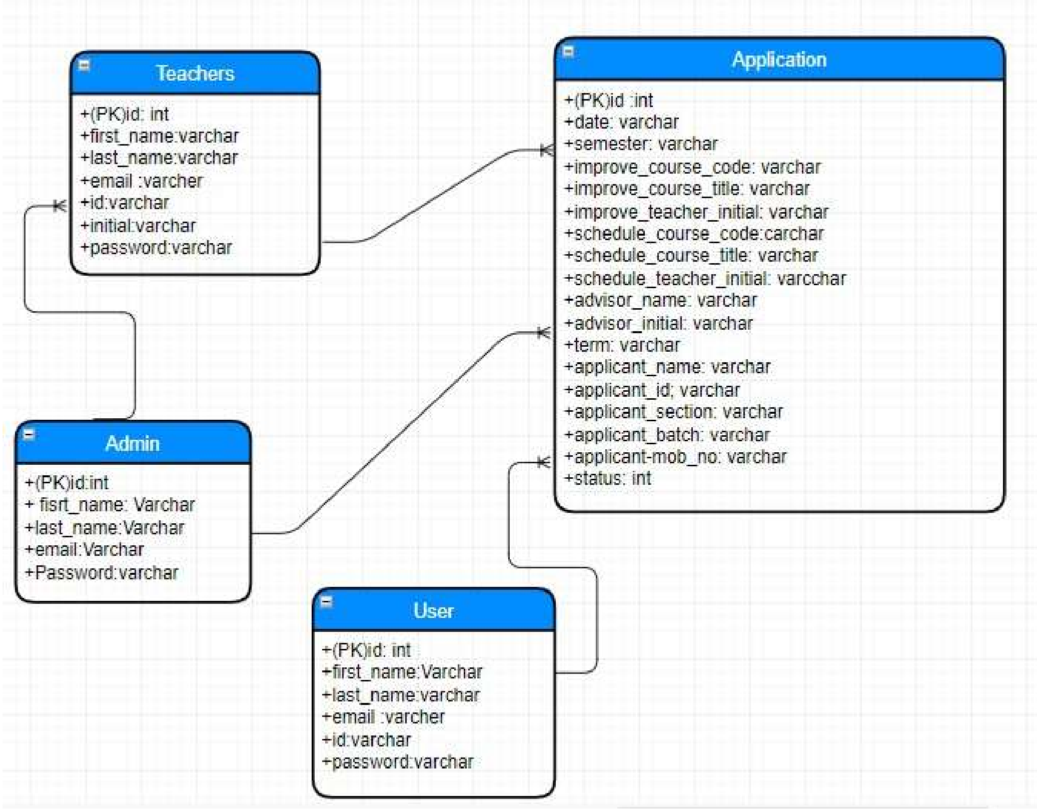


Figure-4.4: Database Diagram

4.5Development Tools andTechnology

4.5.1 User InterfaceTechnology

4.5.1.1 PHP

Using for developing backend for this web application

4.5.1.2 jQuery

Using for frontend design and form validation

4.5.1.3 CSS3 and Bootstrap Using for frontenddesign

4.5.1.4 FontAwesomeUsing for various Icon for this web application

4.5.2 Implement Tools andPlatform

4.5.2.2 Sublime Text3

Using for text editor

4.5.2.3 Xampp

To build up a local server for this web application

4.5.2.4 Preferred DatabaseMySQL

Using for various query

4.5.2.5 Apache

Using for local Server

Chapter 5

System Testing

5.TestingFeature

Feature testing is the process of making changes in software system to add one or more new features or to make modifications in the already existing features. Each of these feature is said to have a characteristic that is designed to be useful, intuitive, and effective.

5.1 TestingFeatures

5.1.1 Features to betested

01 – Registration

02 – Login
03- FormSubmit

04- Register aTeacher

5.1.2 Features can not to betested

01- Viewstatus

02- SearchApplication

03- View All

Application

List 04-

ViewRoutine

05-Upload Routine

5.2 TestingStrategies

A testing strategy is a general approach to the testing process rather than a method of devising particular system or component tests. Different testing strategies may be adopted depending on the type of system to be tested and the development process used.

5.2.1 TestApproach

A test approach is the test strategy implementation of a project, defines how testing would be carried out. Test approach has two techniques:

Proactive - An approach in which the test design process is initiated as early as possible in order to find and fix the defects before the build is created.

Reactive - An approach in which the testing is not started until after design and coding are completed.

5.2.2 Pass / FailCriteria

The entrance criteria for each phase of testing must be met before the next phase can commence. Now the criteria for pass and fail are given below.

01- According to the given scenario the expected result need to take place thenthe scenario will be considered as pass otherwise that criteria should befailed

02- If an item tested 10 times, 9 times perfectly worked and single time do notwork properly then it will consider as failcase.

03- System crash will be considered as failcase.

04- After submitting a query in the system, if expected page won't appear then it will be considered as failcase.

5.2.4 TestingSchedule

Test Phase	**Time**
Test plan creation	1 week
Test specification creation	2 weeks
Unit testing	4 weeks
Component testing	1 week
Test Phase	**Time**
Integration testing	1 week
Use case diagram	2 week
User interface testing	1 week
Load testing	1 week
Performance testing	2 week
Release to production	2 week

Table-5.2.4: testing Schedule

5.3 TestingEnvironment

Testing environment is a setup of software and hardware for the testing teams to execute test cases. In other words, it supports test execution with hardware, software and network configured. For test environment, key area to set up includes

- System andapplications
- Testdata
- Database server
- Front end runningenvironment
- Client operatingsystem
- Browser
- Hardware includes Server Operatingsystem
- Network
- Documentation required like referencedocuments/configuration
- guides/installation guides/ usermanuals

5.4 Testcase

A test case is a document, which has a set of test data, preconditions, expected results and post conditions, developed for a particular test scenario in order verify compliance against a specific requirement.

Table 5.4.1: Test Case for User Registration

Test Case ID: TC 01			**Module Name:** Registration			
Sub Module: Student Registration			**Test Designed by:** Jannatul ferdous			
Test Priority (Low/Medium/High): High			**Test Designed date:** 1.3.2019			
Test Title: User Registration with valid information			**Test Executed by:** Jannatul ferdous			
Description: Test the system's on registration page			**Test Execution date:** 10.3.2019			
Pre-condition: The user navigate to registration page and input the required filled. And click on the Register button.						
Step	**Test step**	**Test data**	**Code module**	**Expected result**	**Actual Result**	**Pass/ fail**
1	Input first name	farhana	**Register. php**	User should be registered successfull y	User navigate	Pass
2	Input last-name	arnika				
3	Input email	arnika@diu.edu.bd				
4	Input varsity_id	151-35-1125				
4	Password	1234567				
5	Confirm password	1234567				
Post-conditions: if the user information's are valid then the information will saved in the database otherwise show the invalid fields						

Table 5.4.2: Test Case for User Login

Test Case ID: TC 02	**Module Name:** Login
Sub Module: User Login	**Test Designed by:** Jannatul ferdous
Test Priority (Low/Medium/High): High	**Test Designed date:** 12.3.2019
Test Title: User Login with valid email/user name and password	**Test Executed by:** Jannatul ferdous
Description: Test the system's on login page	**Test Execution date:** 22.03.2019

Pre-condition: The user has valid email and password. The current email is arnika@diu.edu.bdand password 1234567. The system navigates to Login page. And click on the Login button.

Step	**Test step**	**Test data**	**Code module**	**Expected result**	**Actual Result**	**Pass /fail**
1	Navigateto LoginPage	Click on login tab	**login.php**	User should be able to login successfully	User navigate tohome page	Pass
2	Input Email	arnika@diu.edu.bd				
3	Input Category	Student				
4	Input password	1234567				

Post-conditions: User is validated with database and successfully login to account. The account session details are logged in database

Table-5.4.3 Test Case for User Login Failed

Test Case ID: TC 03	**Module Name:** Login
Sub Module: User Login	**Test Designed by:** Jannatul ferdous
Test Priority (Low/Medium/High): High	**Test Designed date:** 15.3.2019
Test Title: User Login with valid email/user name and password	**Test Executed by:** Jannatul ferdous
Description: Test the system's on login page	**Test Execution date:** 29.3.2019
Pre-condition: The user has valid email and password. The current email is arnika@diu.edu.bdand password 1234567.	

Step	Test step	Test data	Code module	Expected result	Actual Result	Pass/ fail
1	Navigateto LoginPage	Click on login tab	**login.php**	User should not be able to login successfully	User navigate or redirect to the login page with error message page	Fail
2	Input username	Arnika@gmail.com				
3	Input category	Student				
4	Input password	1234567				

Post-conditions: User is not validated with database .Again user can login with valid information

Table 5.4.4: Test case for Form submit

Test Case ID: TC 06	**Module Name:** Form submit
Sub Module: Student form submit	**Test Designed by:** Jannatul ferdous
Test Priority (Low/Medium/High): High	**Test Designed date:** 18.3.2019
Test Title: User Login with valid email and password. Then Full fill the required all field.	**Test Executed by:** Jannatul ferdous
Description: Test the system's Formpage	**Test Execution date:** 29.3.2019
Pre-condition: The user has valid email and password.	

Step	Test step	Test data	Code module	Expected result	Actual Result	Pass/fail

1	Navigate to Student Dashboard	Click Fill up form page	**form .php**	Student success fully submit	Student can see successful message	Pass
2	Input Date	1/4/2019				
3	Input Semester name	Spring2019				
4	Input name	arnika				
5	Input improve Course code	SWE112				
6	Input improve Course title	Computer Fundamentals with Lab				
7	Input improve Course initial	ABC				
8	Input Schedule course code	SWE111				
9	Input improve Course initial	XYZ				
10	Input Schedule course title	Introduction to Software Engineering				
11	Input Advisor Name	syda sambul shamma				
12	Input Advisor initial	SSH				
13	Input Term	MID				
14	Input applicant_id	151-35-1125				
15	Input applicant section	C				
16	Input applicant-batch	16				
Post-conditions: Student is valeted and form information stored in database						

Table 5.4.5: Test case for Register a Teacher

Test Case ID: TC 05	**Module Name:** Register a Teacher
Sub Module: Teacher registration	**Test Designed by:** Jannatul ferdous
Test Priority (Low/Medium/High): High	**Test Designed date:** 20.03.2019
Test Title: Teacher Registration with valid information	**Test Executed by:** Jannatul ferdous
Description: Test the system's on teacher registration page	**Test Execution date:** 30.03.2019

Pre-condition: Admin navigate to registration page and input the required filled. And click
on the Register button.

Step	**Test step**	**Test data**	**Code module**	**Expected result**	**Actual Result**	**Pass/fail**
1	Input first name	zannatul	**Teacherregistraion.php**	Admin should be registered successfull y	Admin navigate	Pass
2	Input last-name	ferdous				
3	Input teacher email	onix@gmail.com				
4	Input teacher_id	151-35-1032				
5	Input teacher-initial	ABC				
6	Input password	12345678				
7	Input confirm password	12345678				

Post-conditions: If the user information's are valid then the information will have saved in the database otherwise show it invalid fields

Chapter 6

User Manual

6.1 Home Page

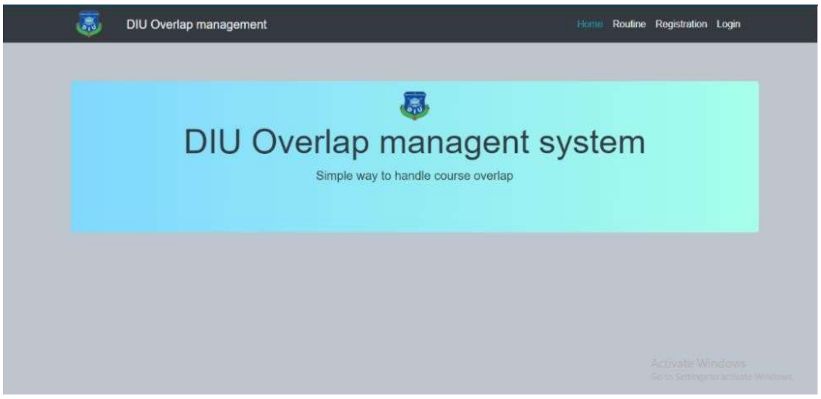

DIU Overlap management
Home
Routine
Registration
Login
DIU Overlap managent system
Simple way to handle course overlap
Activate Windows
Go to Settings to activate Windows.

Figure-6.1: Home Page

6.2 RegistrationPage

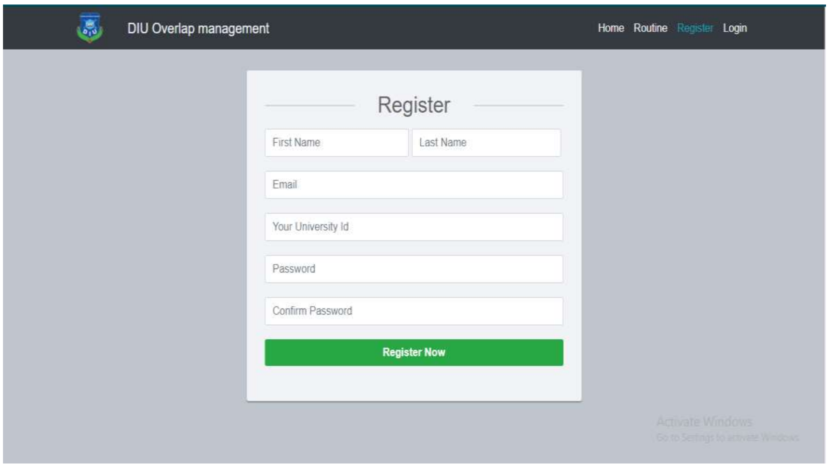


Figure-6.2: Registration Page

6.3 LoginPage

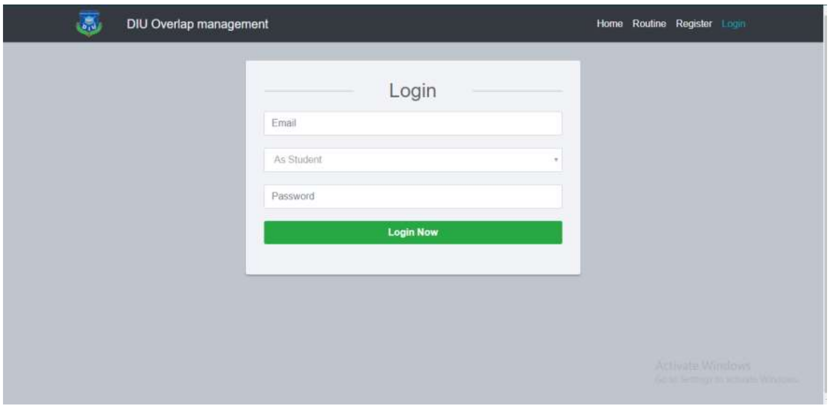


Figure-6.3 Login Page

6.4 AdminLogin

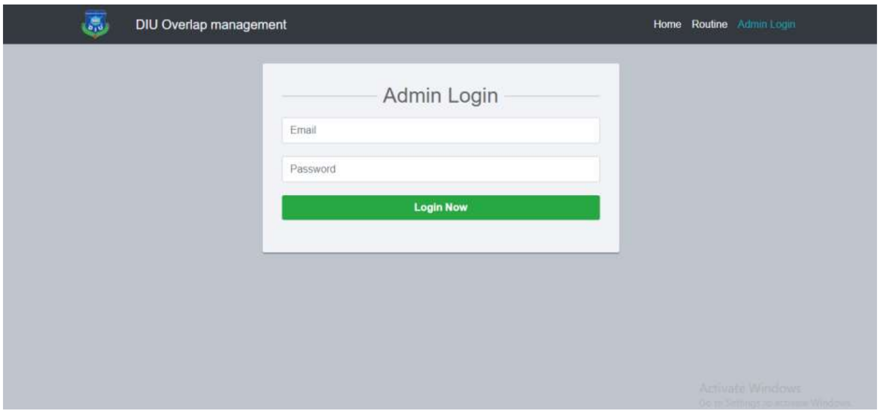


Figure-6.4: Admin login

6.5 Registration aTeacher

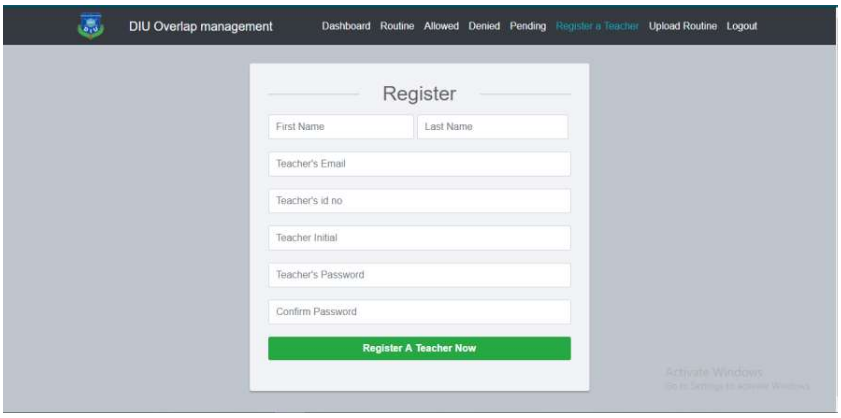
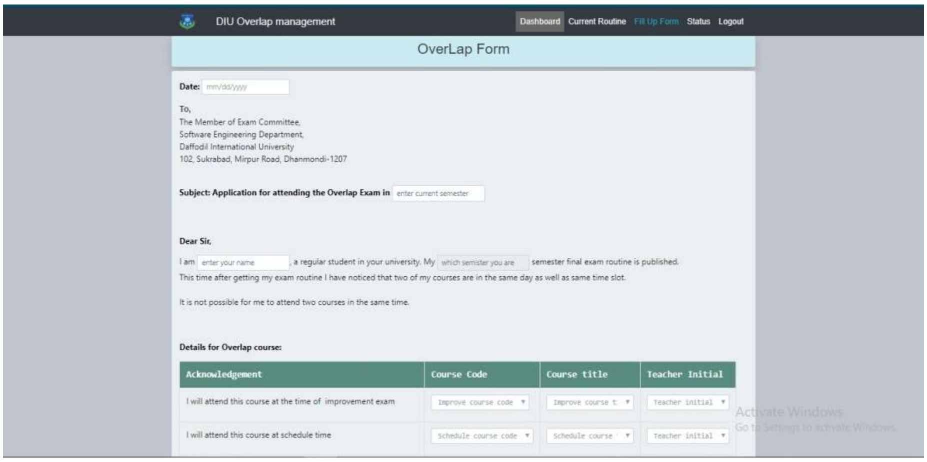


Figure-6.5: Registration a Teacher

6.6 FormPage



Date: mm/dd/yyyy

To,
The Member of Exam Committee,
Software Engineering Department,
Daffodil International University
102, Sukrabad, Mirpur Road, Dhanmondi-1207

Subject: Application for attending the Overlap Exam in enter current semester

Dear Sir,

I am enter your name , a regular student in your university. My which semister you are semester final exam routine is published.
This time after getting my exam routine I have noticed that two of my courses are in the same day as well as same time slot.

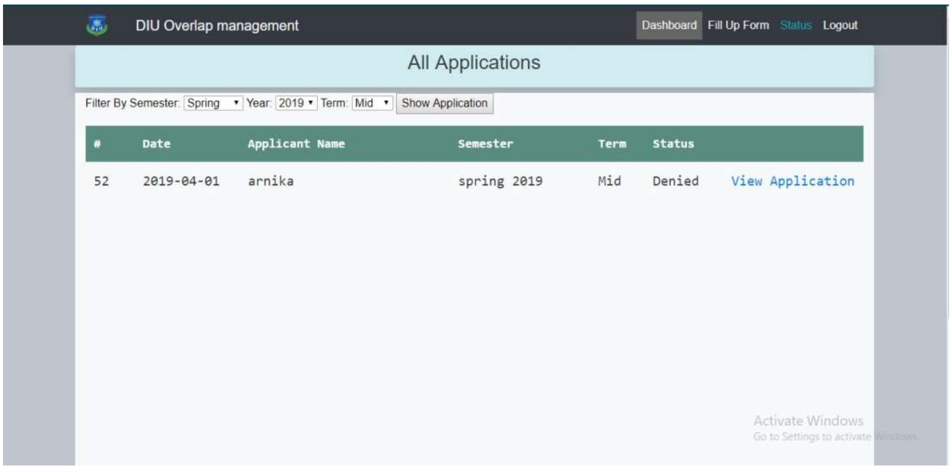
It is not possible for me to attend two courses in the same time.

Details for Overlap course:

Acknowledgement	Course Code	Course title	Teacher Initial
I will attend this course at the time of improvement exam	Improve course code ▾	Improve course t ▾	Teacher initial ▾
I will attend this course at schedule time	Schedule course code ▾	Schedule course ▾	Teacher initial ▾

Figure-6.6: Form Page

6.7 StatusPage



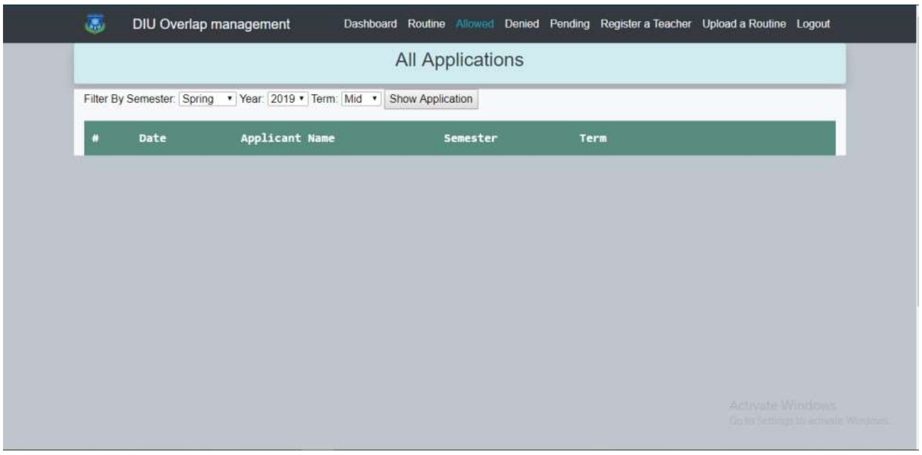
All Applications

Filter By Semester: Spring Year: 2019 Term: Mid Show Application

#	Date	Applicant Name	Semester	Term	Status	
52	2019-04-01	arnika	spring 2019	Mid	Denied	View Application

Figure-6.7-Status Page

6.8 Allow Page



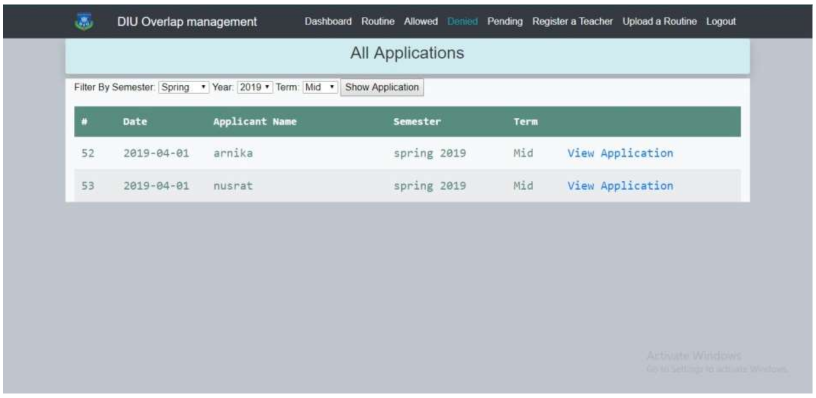
All Applications

Filter By Semester: Spring Year: 2019 Term: Mid Show Application

#	Date	Applicant Name	Semester	Term

Figure-6.8: Allow Page

6.9 DeniedPage



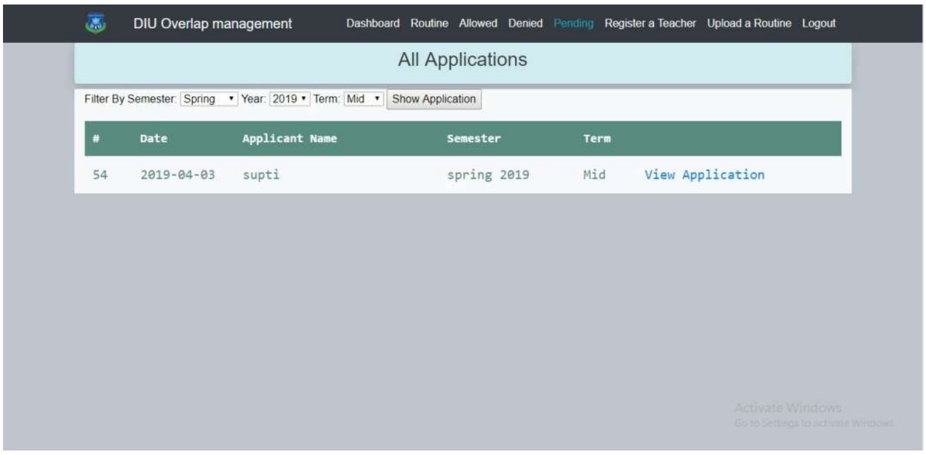
All Applications

Filter By Semester: Spring Year: 2019 Term: Mid

#	Date	Applicant Name	Semester	Term	
52	2019-04-01	arnika	spring 2019	Mid	View Application
53	2019-04-01	nusrat	spring 2019	Mid	View Application

Figure-6.9: Denied Page

6.10 PendingPage



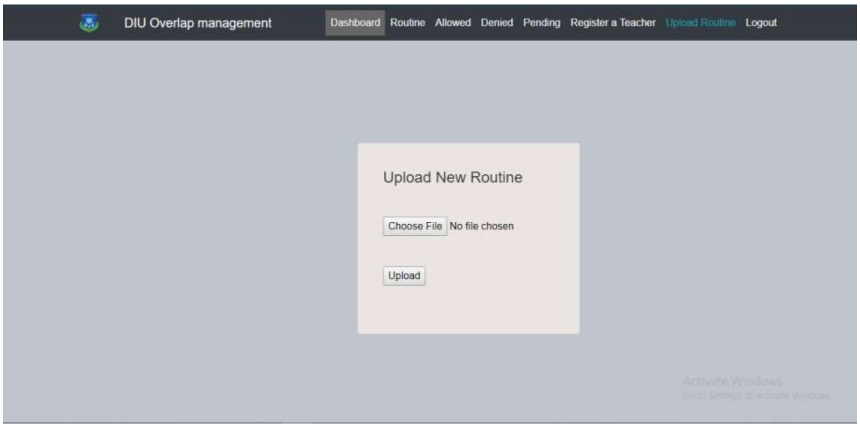
All Applications

Filter By Semester: Spring Year: 2019 Term: Mid

#	Date	Applicant Name	Semester	Term	
54	2019-04-03	supti	spring 2019	Mid	View Application

Figure-6.10 Pending Page

6.11 UploadRoutine



Upload New Routine

No file chosen

Figure-6.11 Upload Routine

Chapter-7

ProjectSummer

7.1 GitHubLink

7.2 ProjectSummary

This project has been started from September. From that beginning time I have to work hard to know the requirement clearly. After that I proposed a design to them by help of my supervisor.

I started to develop the project. From then I gradually develop the project. I think storing thedata in database neatly is very important. That's why I did this first and made a relationship with the tables. After that I design the UI. This project's UI is very simple and clean which is very help for the user's experience. Then I started coding and executing theproject.

If I did not test this project, there will stay some bug on this project which will ruin the full project. That why give importance to test this project and then I solved some bug which I got after testing this project.

7.3 Limitations:

- Password is toencrypted
- Not FullyResponsive
- Not highlySecure

.

7.4 Obstacles &Achievements

To walk in the good way, one's have to face many obstacles. By facing obstacles one will get some achievements. Send notification through mail and give the status from application was an obstacle for me. Although I have done it by taking help from my supervisor, friends and by searching the solution from google.

7.4 Future Scope

By working with this project, I have learnt many things and meet with some great person. This project will give me some opportunity to work with this type of similar project.