



Daffodil
International
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ACADEMIC CARE COACHING MANAGEMENT

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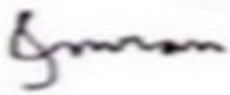
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This Project report has been submitted in fulfillment of the requirements for the Degree of Bachelor of
Science in Software Engineering.

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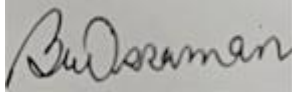
This project titled on “Academic Care Coaching Management”, submitted by Sadia Afrin Mow (ID: 193-35-2937) to the Department of Software Engineering, Daffodil International University has been accepted as satisfactory for the partial fulfilment of the requirements for the degree of Bachelor of Science in Software Engineering and approval as to its style and contents.

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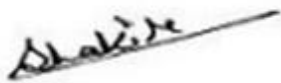
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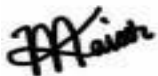
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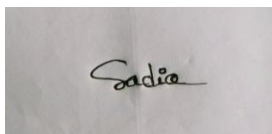
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PROJECT DECLARATION

I, **SADIA AFRIN MOW**, ID: 193-35-2937, hereby declare that I have completed the project “Academic Care Coaching Management” in order to obtain a Bachelor of Science degree from Daffodil International University. This also declares that neither this project nor any part of it has been used or applied for any kind of degree or award elsewhere

Submitted by

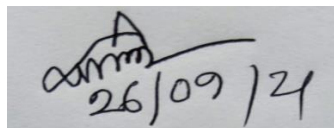


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I would first like to thank the almighty Allah for allowing us to accomplish this BSc study successfully. We are really thankful for the abundant blessing the Almighty Allah has bequeathed upon us, not only during our study life but in life long.

I would also like to express my sincere gratitude to my **Supervisor, Md. Anwar Hossen**, for the continuous support in my Undergraduate project. His guidance helped me throughout this project and also in writing the documentation.

I would like to thank my family: My parents for trusting in me and my decisions and supporting me spiritually throughout my life.

Last but definitely not least, I would also like to thank some of my friends, for their inspiration, motivation which encourages me a lot to finish this project.

MD ANWAR HOSSEN,
Assistant Professor,
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And accept my full responsibility. My supervisor's extensive knowledge of web applications, combined with his enthusiastic approach to my project, has greatly encouraged us to complete it. His forbearance, scholastic counsel, unparalleled leadership, passion, profound reflection on each rough sheet, and mistakes and helpfully correcting them every time has formed my efforts into a complete project.

I'd like to express my appreciation and gratitude to_____

Dr. Imran Mahmud,
Associate Professor and Head,
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SUMMARY OF PROJECT

The academic care coaching management system is a web-based application. This program allows students, teachers, officers, and guardians to interact with their education, examine their results, attendance, and view courses, as well as pay their fees using an online system. The primary goal of "Academic care coaching management" is to create a system that is beneficial to both students and teachers. It will be a platform that allows students to view their results at home and take their required classes from home. Here, the teacher can conveniently record entry and attendance. Students can simply pay money using Bikhas, Rocket, and Nagad via this online method. My project is Academic Care Coaching Management. The first question that comes to every person's mind that is why I want to make this project? Because there are so many things like that. I am telling now a short story. There are many of us who like to spend time with family, just like that one day I was spending time with family. There my brother was making a note of something in the notebook. Out of curiosity I asked him and he told me about his institution. After listening everything I want to build a web system for him since I am a student of software engineering. Now the question remains why make this system? This system allows students to take the required classes at home, they can see the result of their test while sitting at home, there is a new thing in this system, Guardians are not aware of their children's results, this system that allows them to view results news. If you want to pay online, you can pay at home; you don't have to go outside or to the bank. A very nice thing it is! They are safe in the house during this, as they are our future, from here; we are able to improve the quality of education. Besides, our country and nation are being protected. Since we are leading a very bad time. For these pandemic situation students are not able to go to their institution. This online system has been created to safely maintain the quality of their education in this epidemic. So that I decided to develop a website that will manage the academic coaching centers. The target user of 'Academic care coaching management' is the teacher, student, officer and Guardian. This application is developed in such a way that the student and teacher will be benefitted in many ways.

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CHAPTER-01

INTRODUCTION

1.1 Overview

Academic care coaching management is a web application system. Student, Teacher, Officer and Guardian can use this application, where student can connect with their education, they can see their result, Attendance, view course and they can pay their payment through this online system.

1.2 Purpose

- ✚ The main purpose “Academic care coaching management” is to make a system which will be helpful for the student and teacher.
- ✚ It will be a platform where student can see their result at home and allows students to take their required classes at home.
- ✚ Teacher can easily mark entry and attendance here.
- ✚ In this online system students can easily pay money with Bikash, Rocket, Nagad.

1.2.1 Background

My project is Academic Care Coaching Management. The first question that comes to every person's mind that is why I want to make this project? Because there are so many things like that. I am telling now a short story. There are many of us who like to spend time with family, just like that one day I was spending time with family. There my brother was making a note of something in the notebook. Out of curiosity I asked him and he told me about his institution. After listening everything I want to build a web system for him since I am a student of software engineering. Now the question remains why make this system? This system allows students to take the required classes at home, they can see the result of their test while sitting at home, there is a new thing in this system, Guardians are not aware of their children's results, this system that allows them to view results news. If you want to pay online, you can pay at home, you don't have to go outside or to the bank. A very nice thing it is! They are safe in the house during this, as they are our future, from here, we are able to improve the quality of education. Besides, our country and nation are being protected. Since we are leading a very bad time. For these pandemic situation students are not able to go to their institution. This online system has been created to

safely maintain the quality of their education in this epidemic. So that I decided to develop a website that will manage the academic coaching centers.

1.2.2 Beneficiaries & Benefits

The target user of ‘Academic care coaching management’ is the teacher, student, officer and Guardian. This application is developed in such a way that the student and teacher will be benefitted in many ways.

The benefits of using ‘Academic care coaching management’ are:

- ✚ It enables educators communication with all students .
- ✚ The system user will have access to a information database that contains information about officer, teacher, students and guardian.
- ✚ Student can check his/her Academic result easily .
- ✚ Students can easily pay their tuition fees online .

1.2.3 Goals

The goal of ‘Academic care coaching management system’ is very simple . This project goal are:

1. To make it easy to check their result and payment details.
2. More flexibility for students
3. To enhance the students use of technology
4. In the pandemic situation they will be able to learn at home.

13 Stakeholders

In this project, there are four Stakeholders, Officer, Teacher, Student, Guardian.

- ✚ **Officer:** He/she can manage student details, result, payment, course, attendance, student registration.
- ✚ **Teacher:** Teachers can manage result entry, attendance, login, change password
- ✚ **Student:** They can register, login, change password, logout, view attendance, payment, course, view live result
- ✚ **Guardian:** They can login, logout, make pay, registered course, view live result.

14 Schedule

1.4.1 Gantt Chart

That is the chart for my project view of Academic Care Coaching Management, where we can see the time line for the process of completing whole system. Here I stored all time-to-time activities like plan, design etc. I stored days to days, starting, finishing time weekly activities.

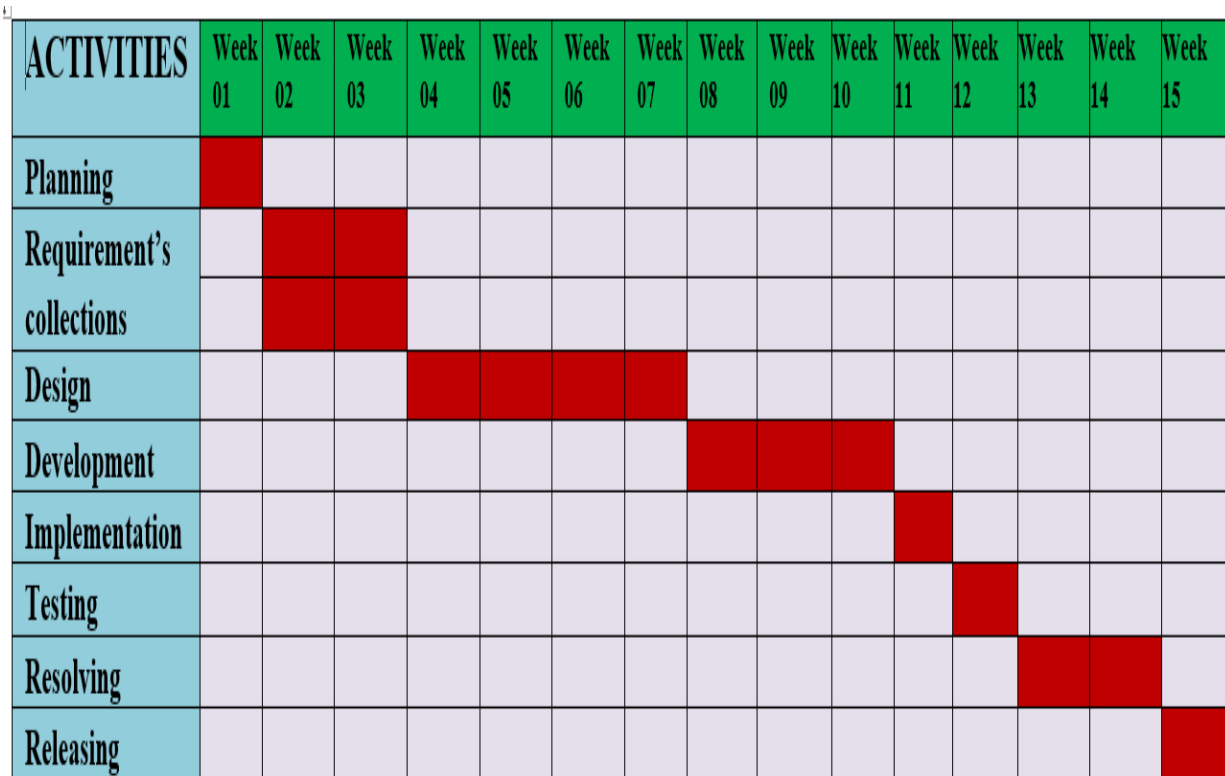


Figure 1.4.1: Project Gantt Chart

1.4.2 Time Estimation

All Tasks	Dates
Topic Selection	10/01/2021
Topic & Name Finalization	25/01/2021
Submission of Project Proposal	13/02/2021
Requirement Specification	20/03/2021
Seminar on Video Presentation	12/6/2021
Project Methodology Seminar	28/04/2021
Mid-Term Defense	19/06/2021
Project Workshop	5/08/2021
Design & System Analysis	10/05/2021
Coding & Development	16/06/2021
Implement	21/09/2021
Testing	21/09/2021
Project complete	22/09/2021

Table 1.4.2: Project Time Estimation.

15 Intended Audience and Reading Suggestions

This document is complete for the entire development schedule. This is also delivered by the handler in a container. This statement is useful for developers and development administrators since it allows them to quickly understand the ideal system's goals and requirements. Developers can quickly determine their major problem by reading this report.

1.6 Documentation Convention

The project document is done by two parts. Where in the first part I showed the full description of the project with its interfaces, requirements, features, and the second part is non-functional requirements. So, this is the final draft document so that any future modifications of this document will be involved adaption to the system to changing systems functions and use. I think that this system will change times to ensure continue use and success. So here the documentation of my project with specification have completed by me with proper information with by full ability. So, who will Once read, this is the evident that every section is important to the Document and significant to the project in its own right?

1.7 Product Scope

Academic Care Coaching Management is the name of my project. The first question that every person has is, "Why do I want to do this project?" Because there are so many similar things. I'm going to tell you a short story right now. Many of us enjoy spending time with our families, just as I did one day with mine. My brother was scribbling something in his notepad at the time. I inquired of him out of curiosity, and he informed me about his institution. As a software engineering student, I want to design a web system for him after hearing everything. Now comes the question of why this system was created in the first place. This system allows students to attend needed classes from home, and they may examine the results of their tests while sitting at home. There is a new feature in this system that allows guardians to view results news. If you wish to pay online, you may do so from the comfort of your own home; you do not need to travel outside or to the bank. It's a wonderful thing! They are safe in the house during this time since they are our future, and we can increase the quality of schooling from here. Furthermore, our country and nation are safeguarded. Because we are in the midst of a crisis. Students are unable to attend classes because of the pandemic condition. In the midst of the epidemic, this online system was built to ensure that the quality of their education is maintained. As a result, I decided to create a website to handle academic tutoring establishments.

Key concepts	Obstacles to overcome	Intrinsic Motivation
• For improve education service. • Autonomy • Feedback • Reward & Recognition	• Lack of management support • Personal conflicts • Unequal recognition • Schedule conflicts • Time overruns • Increment of project scope	• Involve team early on • Understand team members • Matching assignments and skills carefully • Responsible team leader • Private motivation

CHAPTER-02

USER-CLASSES & CHARACTERISTICS

2.1 Officer

He/she can manage student details, result, payment, course, attendance, student registration.

Officer will view their attendance, Officer can view courses, Officer will take courses with their package requirement, Officer can manage a student course, Officer will view their result here. (CT, monthly), When a student will come to the office for the registration, by clicking here an officer can register him/her. Officer will check all of the registered students' details (By their package), Officer will entry the student pay amount, Input result, for checking issues, admin can view all of the student's result, officer can add a student, delete and update student information, Officer can check every student's payment Ledger.

2.2 Teacher

Teachers can manage result entry, attendance, login, change password, Login id & password (Fixed), Teacher will change the password, The teacher will take the student's attendance, Teachers will entry the marks here.

2.3 Student

They can register, login, change password, logout, view attendance, payment, course, view live result, new student must have to register first with their requirements, Student will view their attendance here, Student will view their result here. (CT, monthly), Student can view all of the courses here, Student will take courses with their package requirement, Student can check that how much they have to payment, here students will get payment confirmation message

2.4 Guardian

They can login, logout, make pay, registered course, view live result.

CHAPTER-03

IMPLEMENTATION CONSTRUCTION & DESIGN

3.1 Operating Environment

The Academic Care Coaching management system will be web-based. As a result, anyone with a browser will click on the relevant link and gain access to it. As a result, it will ensure the best possible use of the system and will make accessing it easier. So, this site will be deployed on server(web) and it will reduce problems like running many other platforms.

3.2 Software language Used

I have used laravel for this project.

3.3 Development tools & Technology:



- + IDE: Visual studio code
- + Database: MySQL
- + UI: HTML, CSS, Bootstrap, JavaScript
- + Framework: Laravel
- + Language: PHP 7
- + Web-Server: XAMPP Server

3.4 Database Support

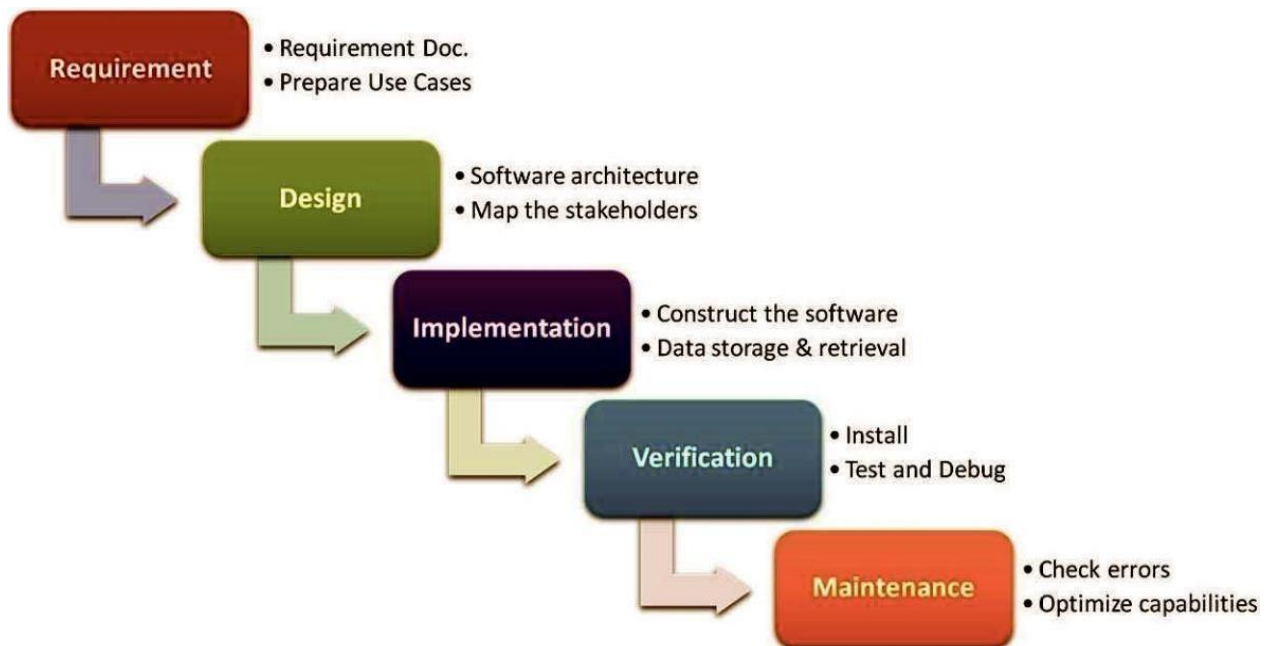
The database that will be used is MySQL.

3.5 Project Organization

3.5.1 Software Process Model (waterfall model)

In my project this Model is the best solution for me. Also, I finished my project by following the step by steps modules like my first steps is completed then I started second the second one. So, that is the primary method for my project. The waterfall model was the original SDLC procedure used in software development. In the "Waterfall" method, the entire software development procedure is wrecked down into steps. The output of one step is used as the initial point for the next stage. It infers separately step of the conception procedure initiates only if earlier step has been finished.

The waterfall model is a serial modeling procedure in which progress is seen as repeatedly smooth descending through the stages of beginning, opening, examination, plan, creation, challenging and maintenance. Waterfall Model is likewise known as a model of the in lines consecutive life cycle because it signifies the procedure of software creation in a linear consecutive movement.



Model.

CHAPTER-04

SOFTWARE REQUIREMENT SPECIFICATION (Functional Requirement)

4.1 Functional Requirement: Officer

4.1.1 Log in

Requirement ID	FR.A.01
Requirement Name	Log in
Description	He can log in using Email and password
Stakeholder	Officer

4.1.2 Change Password

Requirement ID	FR.A.02
Requirement Name	Change Password
Description	Officer will change the password
Stakeholder	Officer

4.1.3 View Attendance

Requirement ID	FR.A.03
Requirement Name	View Attendance
Description	Officer will view their attendance
Stakeholder	Officer

4.1.4 View Course

Requirement ID	FR.A.04
Requirement Name	View Course
Description	Officer can view courses
Stakeholder	Officer

4.1.5 Register Course

Requirement ID	FR.A.05
Requirement Name	Course Register
Description	Officer will take courses with their package requirement
Stakeholder	Officer

4.1.6 Manage Course

Requirement ID	FR.A.06
Requirement Name	Manage Course
Description	Officer can manage a student course
Stakeholder	Officer

4.1.7 Live Result

Requirement ID	FR.A.07
Requirement Name	Live Result
Description	Officer will view their result here. (Mid, Final)
Stakeholder	Officer

4.1.8 Student Details (manage)

Requirement ID	FR.A.08
Requirement Name	Student Details
Description	officer can add a student, delete and update student information
Stakeholder	Officer

4.1.09 Payment Entry

Requirement ID	FR.A.9
Requirement Name	Payment Entry
Description	Officer will entry the student pay amount
Stakeholder	Officer

4.1.10 Payment Ledger

Requirement ID	FR.A.10
Requirement Name	Payment Ledger
Description	Officer can check every student's payment Ledger
Stakeholder	Officer

4.1.11 Teacher Details

Requirement ID	FR.A.11
Requirement Name	Teacher Details
Description	Officer can manage a teacher
Stakeholder	Officer

4.2 Functional Requirement: Teacher

4.2.1 Login

Requirement ID	FR.V.01
Requirement Name	Login
Description	Login id & password
Stakeholder	Teacher

4.2.2 Change Password

Requirement ID	FR.V.02
Requirement Name	Change Password
Description	Teacher will change the password
Stakeholder	Teacher

4.2.3 Attendance

Requirement ID	FR.V.03
Requirement Name	Attendance
Description	The teacher will take the student's attendance
Stakeholder	Teacher

4.2.4 Exam

Requirement ID	FR.V.04
Requirement Name	Exam
Description	Only teacher will take the exam
Stakeholder	Teacher

4.2.5 Result Entry

Requirement ID	FR.V.05
Requirement Name	Result Entry
Description	Teachers will entry the marks here
Stakeholder	Teacher

4.3 Functional Requirement: Student

4.3.1 Login

Requirement ID	FR.RU.01
Requirement Name	login
Description	Login id & password
Stakeholder	Student

4.3.2 Change Password

Requirement ID	FR.RU.03
Requirement Name	Change Password
Description	Student will change the password
Stakeholder	Student

4.3.3 View Attendance

Requirement ID	FR.RU.04
Requirement Name	View Attendance
Description	Student will view their attendance here
Stakeholder	Student

4.3.4 Live Result

Requirement ID	FR.RU.05
Requirement Name	Live Result
Description	Student will view their result here.
Stakeholder	Student

4.3.5 View Course

Requirement ID	FR.RU.06
Requirement Name	View Course
Description	Student can view all of the courses here
Stakeholder	Student

4.3.6 Registered Course

Requirement ID	FR.RU.07
Requirement Name	Registered Course
Description	Student will take courses with their package requirement
Stakeholder	Student

4.3.7 Payment Ledger

Requirement ID	FR.RU.08
Requirement Name	Payment Ledger
Description	Student can check that how much they have to payment.
Stakeholder	Student

4.3.8 View Payment Confirmation

Requirement ID	FR.RU.09
Requirement Name	View Attendance
Description	Here students will get payment confirmation message
Stakeholder	Student

4.4 Functional Requirement: Guardian

4.4.1 Login

Requirement ID	FR.V.01
Requirement Name	Login
Description	Login id & password
Stakeholder	Guardian

4.4.2 Change Password

Requirement ID	FR.V.02
Requirement Name	Change Password
Description	Guardian will change the password
Stakeholder	Guardian

4.4.3 Live Result

Requirement ID	FR.V.03
Requirement Name	Live result
Description	Guardian can view all of the courses here
Stakeholder	Guardian

CHAPTER-05

SOFTWARE REQUIREMENT SPECIFICATION (Non-Functional Requirement)

Non-Functional Requirement

5.1 Performance

The dependability criterion includes reliability, protection, security, and availability, but reliability is the most crucial. These conditions must also be met.

5.2 Capacity

All kinds of user data must be handled by the system.

CR-01	My system MUST be able to deal with large amount of data.
Description	It is able to handle the large data.
Stakeholder	Officer.

5.3 Dependability

There In my project, I have Availability, Reliability, Safety, and Security. As a result, my system must meet these requirements.

5.4 Reliability

RR-01	System has to available 24/7
Description	System has to be existing all the time and efficient and malware free.
Stakeholder	N/A

5.5 Fault-Tolerance

FTR-01	System operates all the user access without system error
Description	Both users can access our system at a time, system must be handling request without any errors
Stakeholder	N/A

5.6 Safety-Critical

There is nothing safety-critical requirement in my project.

5.7 Maintainability and Supportability

This is very important to provide that after support or service to the end users.

5.8.1 Maintenance

MR-01	System helps to create modules and delete modules
Description	It is very important.
Stakeholder	Officer

5.8.2 Supportability

✚ Maintainability.

✚ Configurability.

✚ Compatibility. ✚

Serviceability. ✚

Adaptability

There are no adaptability requirements in this project.

5.9 Security

The importance of safety requirements for system responses cannot be overstated. This must be based on specific requirements. The submission system's security is a concern for Software-Security. In terms of security, there are usually some criteria.

- ✚ Log in
- ✚ Get access according to logged in user
- ✚ Log out

5.9.1 Access

There are not any access requirements in this project.

5.9.2 Integrity

There are not any integrity requirements in this project.

5.9.3 Privacy

In every, it is vital to have privacy requirements in any system. To preserve privacy, each user must validate their information and use their accessibility capabilities to enter the system.

5.10 Usableness and Human-Interaction

I built this site with the user in mind, therefore it's really human and user-friendly, and it's incredibly simple to use for any type of user.

5.11 Ease of Use

This Resolution is informal to usage and clear.

EUR-01	System must be usable & easy for the user.
Description	This solution is easy for user to manage system.
Stakeholder	Officer, Teacher, Student, Guardian.

5.12 Understandability

No exactly justifiably necessities in this development.

5.13 Accessibility

Not a specific accessibility requirement in this project.

5.14 User Documentation

Not a user documentation requirement in this project.

5.15 Training

Don't need any training requirements in this project.

CHAPTER-06

SYSTEM ANALYSIS & DESIGN

6.1 Use Case Diagram



Figure 6.1: Use-case for Academic Care Coaching Management.

6.2 Use Case Description

6.2.1 Student Register

Use case ID	UC-001
Use Case Name	Student Register
Actor	Officer
Goal	Successfully use this module.
Pre-Condition	They must Successfully use this module.
Trigger	N/A
Description	When a student will come to the office for the registration, by clicking here an officer can register him/her
Flow of Event	➤ When a student will come to the office for the registration, by clicking here an officer can register him/her
Post-Condition	They have Successfully used this module.
Functional Requirement	Student Register
Alternative flows	N/A
Quality requirement	N/A

Table 6.2.1: Student Register

6.2.2 Login

Use case ID	UC-002
Use Case Name	Login

Actor	Officer, Teacher, Student, Guardian.
Goal	They will be logged in successfully.
Pre-Condition	Log in with student Email\ id and password Log in with id& password Login id & password
Trigger	N/A
Description	Student can Log in with student Email\ id and password, Officer can Log in with id& password (Fixed), Teacher can Login id & password (Fixed)
Flow of Event	➤ Click Log in with student Email\ id and password ➤ Click Log in with id& password ➤ Click Login id & password
Post-Condition	Successfully Logged in.
Functional Requirement	login
Alternative flows	N/A
Quality requirement	N/A

Table 6.2.2: Login

6.2.3 Change Password

Use case ID	UC-003
Use Case Name	Change Password
Actor	Officer, Teacher, Student, Guardian.
Goal	They will successfully change the password.
Pre-Condition	They will successfully change the password.
Trigger	N/A

Description	Student will change the password, Officer will change the password, Teacher will change the password
Flow of Event	➤ Student will click button change the password ➤ Officer will click button change the password ➤ Teacher will click button change the password ➤ Guardian will click button change the password
Post-Condition	They have successfully changed the password.
Functional Requirement	Change Password
Alternative flows	N/A
Quality requirement	N/A

Table 6.2.3: Change Password

6.2.4 : Manage Course

Use case ID	UC-004
Use Case Name	Manage Course
Actor	Officer
Goal	Successfully use this module.
Pre-Condition	They must Successfully use this module.

Trigger	N/A
Description	Officer can manage a student course.
Flow of Event	➤ By clicking on Manage course Officer can manage a student course
Post-Condition	They have Successfully used this module.
Functional Requirement	Manage Course
Alternative flows	N/A
Quality requirement	N/A

Table 6.2.4: Manage Course

6.2.5 Course Register

Use case ID	UC-005
Use Case Name	Course Register
Actor	Officer
Goal	They must Successfully use this module.
Pre-Condition	They must Successfully use this module.
Trigger	N/A
Description	Officer will take courses with their package requirement

Flow of Event	➤ Officer will take courses with their package requirement by click on course register
Post-Condition	They have Successfully used this module.
Functional Requirement	Course Register
Alternative flows	N/A
Quality requirement	N/A

Table 6.2.5: Course Register

6.2.6 View Course

Use case ID	UC-006
Use Case Name	View Course
Actor	Officer, Student
Goal	Successfully use this module.
Pre-Condition	They must Successfully use this module.
Trigger	N/A
Description	Student can view all of the courses here Officer can view all of the courses here

Flow of Event	➤ Student can view all of the courses here by click on view course ➤ Officer can view all of the courses here by click on view course
Post-Condition	They have Successfully used this module.
Functional Requirement	View Course
Alternative flows	N/A
Quality requirement	N/A

Table 6.2.6: View Course

6.2.7 Student details

Use case ID	UC-007
Use Case Name	Student details
Actor	Officer
Goal	Successfully use this module.
Pre-Condition	They must Successfully use this module.
Trigger	N/A
Description	Officer will check all of the registered students' details
Flow of Event	➤ Officer will check all of the registered students' details (By their package) by click on Student details

Post-Condition	They have Successfully used this module.
Functional Requirement	Student details
Alternative flows	N/A
Quality requirement	N/A

Table 6.2.7: Student Details

6.2.8 Teacher Details (Manage)

Use case ID	UC-008
Use Case Name	Teacher Details
Actor	Officer
Goal	Successfully use this module.
Pre-Condition	They must Successfully use this module.
Trigger	N/A
Description	Officer can manage teacher details
Flow of Event	➤ Officer will manage all of teachers
Post-Condition	They have Successfully used this module.
Functional Requirement	Teacher Details
Alternative flows	N/A
Quality requirement	N/A

Table 6.2.8: Teacher Details

6.2.9 Payment Entry

Use case ID	UC-U009
Use Case Name	Payment Entry
Actor	Officer
Goal	Successfully use this module.
Pre-Condition	They must Successfully use this module.
Trigger	N/A
Description	Officer will entry the student pay amount
Flow of Event	➤ By click on payment entry Officer will entry the student pay amount
Post-Condition	They have Successfully used this module.
Functional Requirement	Payment Entry
Alternative flows	N/A
Quality requirement	N/A

Table 6.2.9: Payment Entry

6.2.10 Payment Ledger

Use case ID	UC-010
Use Case Name	Payment Ledger
Actor	Officer, Student
Goal	Successfully use this module.
Pre-Condition	They must Successfully use this module.
Trigger	N/A

Description	Student can check that how much they have to payment. Officer can check every student's payment Ledger The Guardian will see if the money has been deposited
Flow of Event	➤ Student can check that how much they have to payment by click on payment ledger. ➤ Officer can check every student's payment Ledger by click on payment ledger.
Post-Condition	They have Successfully used this module.
Functional Requirement	Payment Ledger
Alternative flows	N/A
Quality requirement	N/A

Table 6.2.10: Payment Ledger

6.2.11 Exam

Use case ID	UC-011
Use Case Name	Exam
Actor	Teacher
Goal	Registered teacher must login
Pre-Condition	Without adding exam type the exam is valueless
Trigger.	N/A

Description	Teacher will fix the exam schedule
Flow of Event	Student will check the exam result only
Post-Condition	N/A
Functional Requirement	Exam
Alternative flows	N/A
Quality requirement	N/A

Table 6.2.11: Exam

6.2.12 Result Entry

Use case ID	UC-012
Use Case Name	Result Entry
Actor	Officer, Teacher
Goal	Successfully use this module.
Pre-Condition	They must Successfully use this module.
Trigger	N/A
Description	Teachers will entry the marks here Input result, for checking issues, admin can view all of the student's result
Flow of Event	➤ Input result, for checking issues, admin can view all of the student's result by click on result entry. ➤ Teachers will entry the marks here
Post-Condition	They have Successfully used this module.

Functional Requirement	Result Entry
Alternative flows	N/A

Table 6.2.12: Result Entry

6.2.13 View Live Result

Use case ID	UC-013
Use Case Name	Live Result
Actor	Officer, Student, Guardian
Goal	Successfully use this module.
Pre-Condition	They must Successfully use this module.
Trigger	N/A
Description	Student can view all of the courses here Officer will view their result here. Guardian can view all of the courses here
Flow of Event	➤ Student can view all of the courses here by Click on live result ➤ Officer will view their result here. by Click on live result ➤ Guardian can view all of the courses here by Click on live result
Post-Condition	They have Successfully used this module.
Functional Requirement	Live Result
Alternative flows	N/A
Quality requirement	N/A

Table 6.2.13: View live result

6.2.14 Take Attendance

Use case ID	UC-014
Use Case Name	Attendance
Actor	Teacher
Goal	Successfully use this module.
Pre-Condition	They must Successfully use this module.
Trigger	N/A
Description	The teacher will take the student's attendance.
Flow of Event	➤ The teacher will take the student's attendance by click on attendance.
Post-Condition	They have Successfully used this module.
Functional Requirement	Attendance
Alternative flows	N/A
Quality requirement	N/A

Table 6.2.14: Take attendance

6.2.15 View Attendance

Use Case ID	UC-015
Use Case Name	View Attendance
Actor	Officer, Student.
Goal	They must view attendance
Pre-Condition	They must view attendance
Trigger.	Use case ID

Description	Use Case Name
Flow of Event	- Student will click on view attendance - Officer will click on view attendance
Post-Condition	They have successfully view attendance
Functional Requirement	View Attendance
Alternative flows	N/A
Quality requirement	N/A

Table 6.2.15: View attendance

6.2.16 Logout

Use case ID	UC-016
Use Case Name	Log out
Actor	Officer, Teacher, Student, Guardian.
Goal	They will Successfully be logged out.
Pre-Condition	They will Successfully be logged out.
Trigger	N/A
Description	They will Successfully be logged out.

Flow of Event	➤ Click on Log out.
Post-Condition	They have successfully logged out.
Functional Requirement	Log out
Alternative flows	N/A
Quality requirement	N/A

Table 6.2.16: Logout

6.3 Activity Diagram

6.3.1 Registration (Officer)

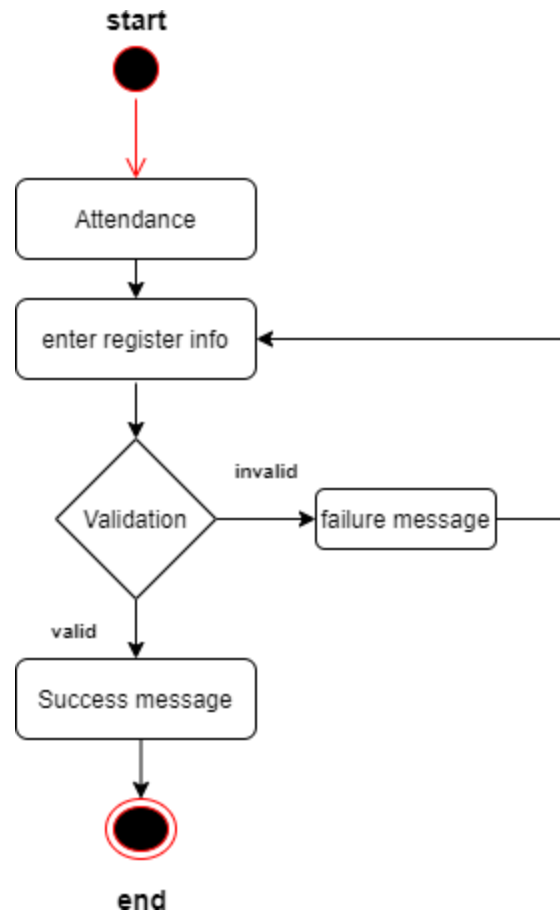


Figure 6.3.1: Student Register (officer)

6.3.2 Login (Officer, Teacher, Student, Guardian)

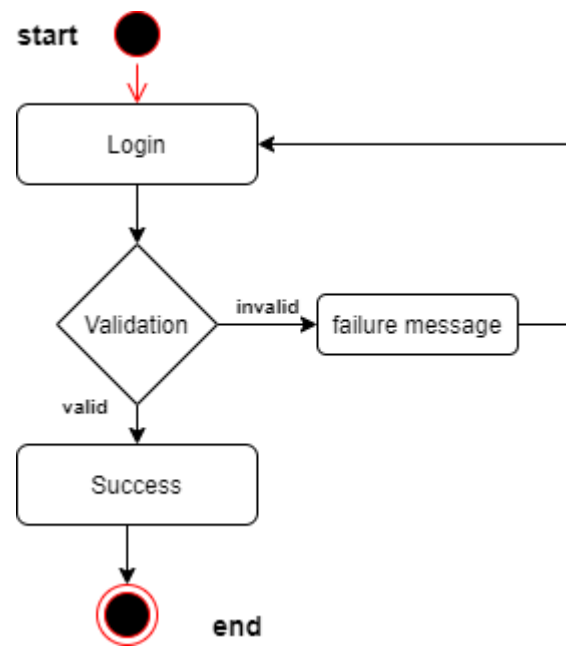


Figure 6.3.2: Login (Officer, Teacher, Student, Guardian)

6.3.3 Change Password (Officer, Teacher, Student, Guardian)

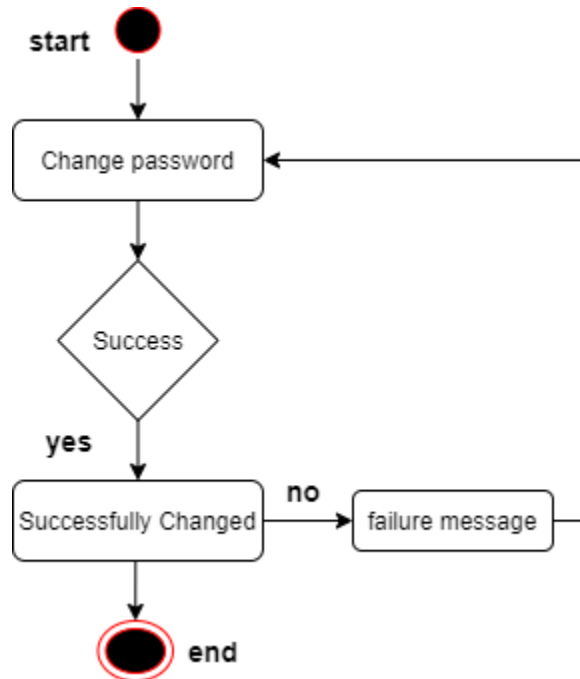


Figure 6.3.3: Change Password (Officer, Teacher, Student, Guardian)

6.3.4 View Attendance (Officer, Student)

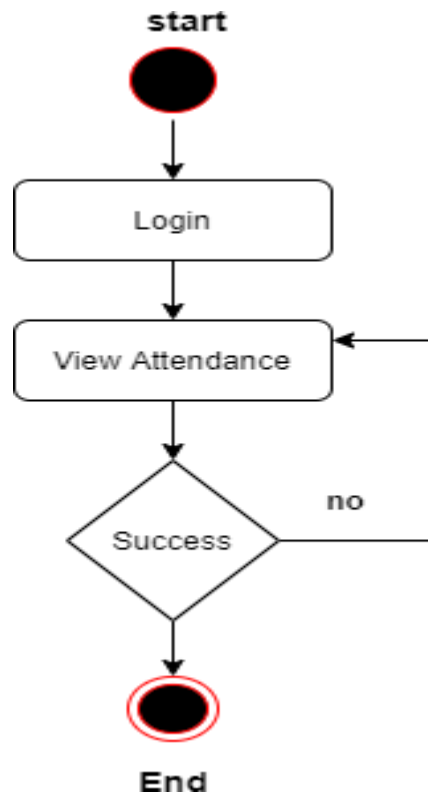


Figure 6.3.4: View Attendance (Officer, Student)

6.3.5 Payment Entry (Officer)

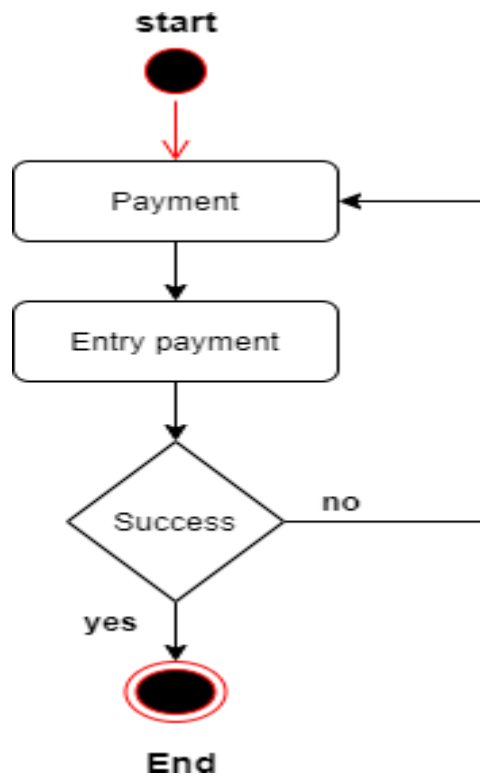


Figure 6.3.5: Payment (Officer)

6.3.6 Registered Course (Officer, student)

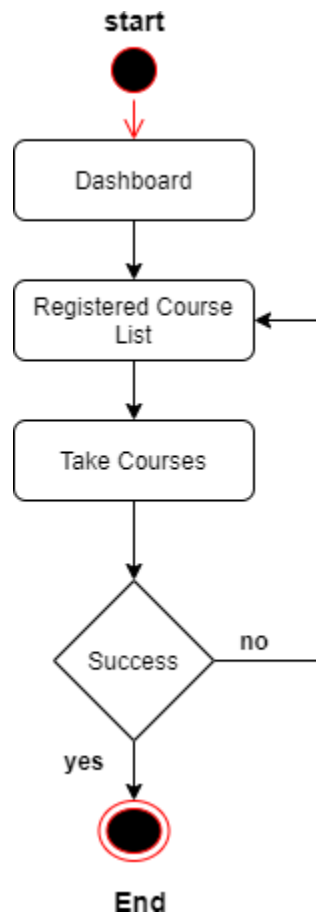


Figure 6.3.6: Registered Course (Officer, student)

6.3.7 Manage Course (Officer)

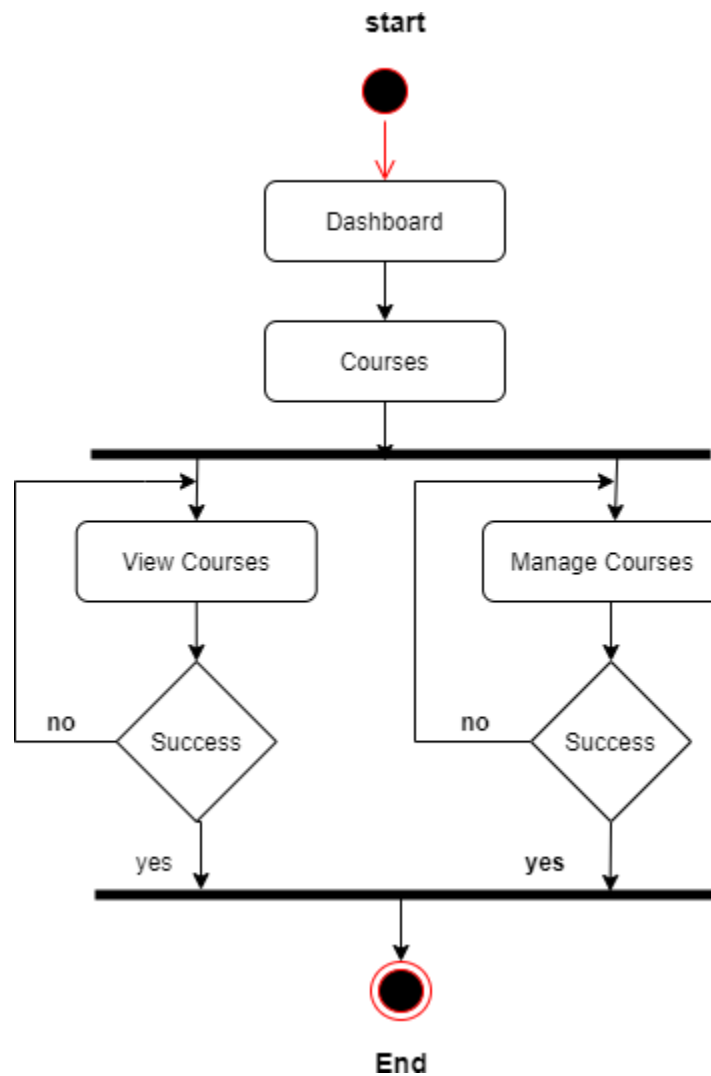


Figure 6.3.7: Course (Officer)

6.3.8 View live Result (Officer, Student, Guardian)

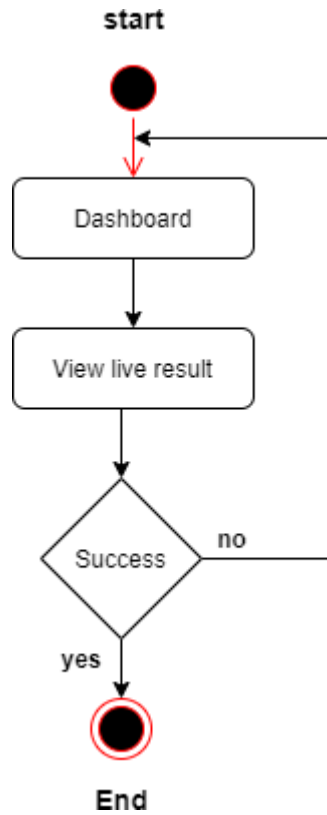


Figure 6.3.8: Result (Officer, Student, Guardian)

6.3.9 Take Attendance (teacher)

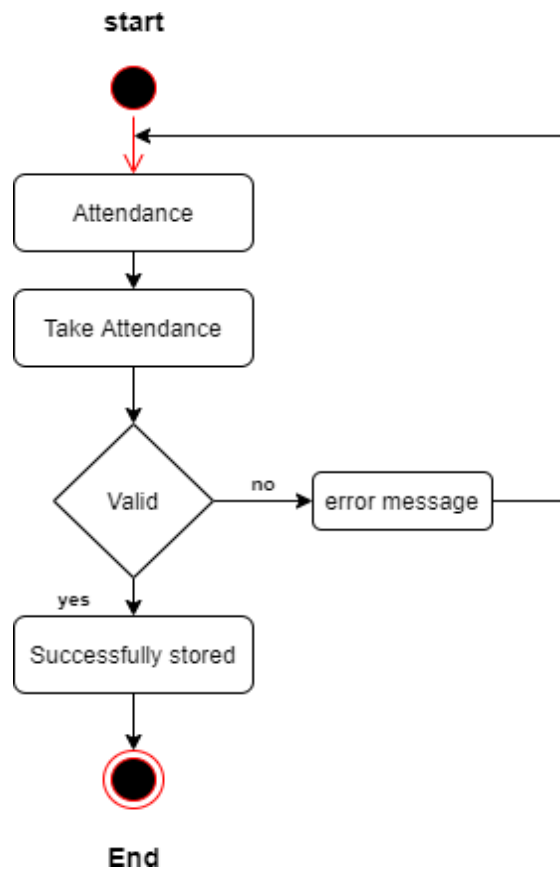


Figure 6.3.9: Take Attendance (teacher)

6.3.10 Student Details (manage) (Officer)

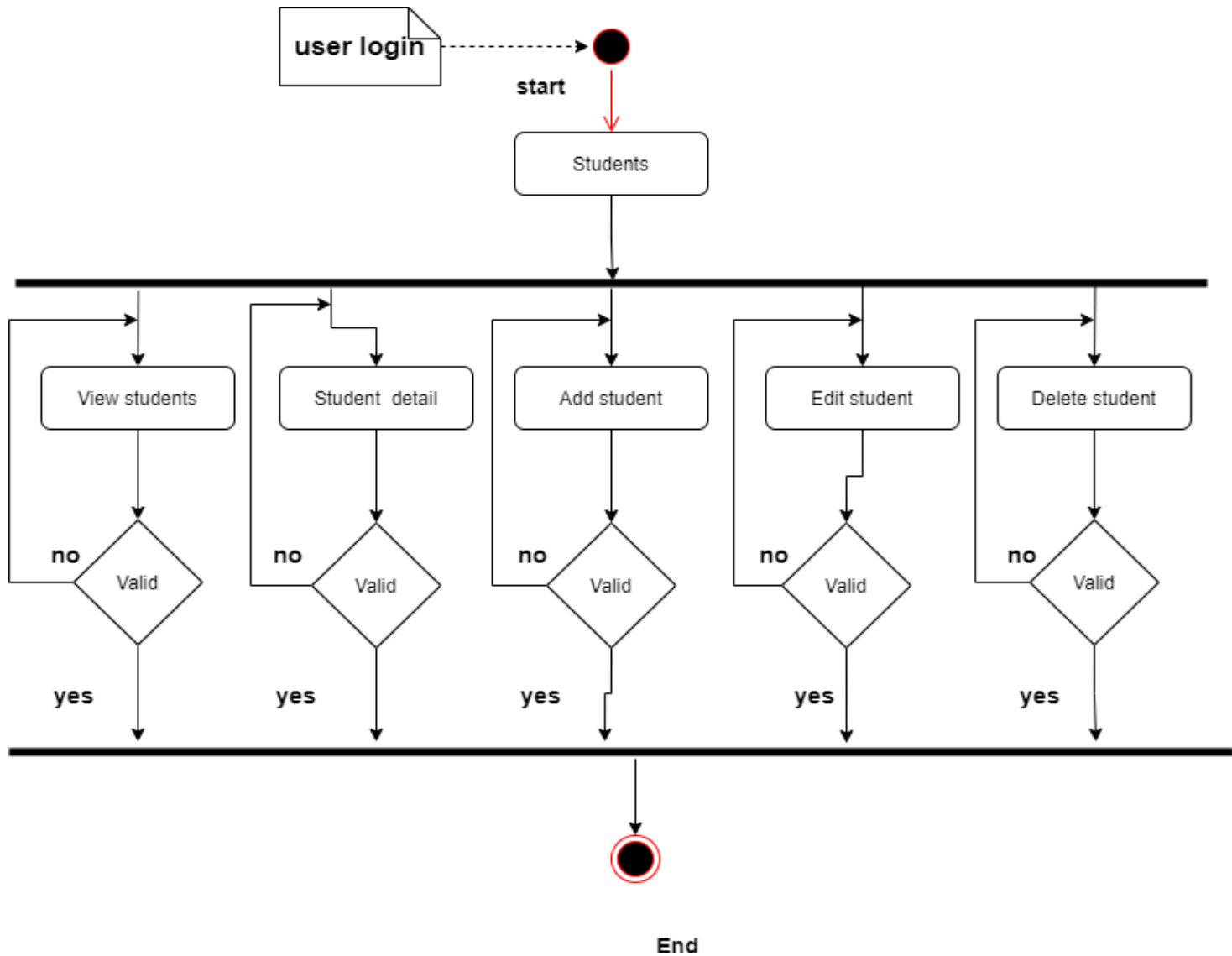


Figure 6.3.10: Student Details (manage) (Officer)

6.3.11 Exam Type (Teacher)

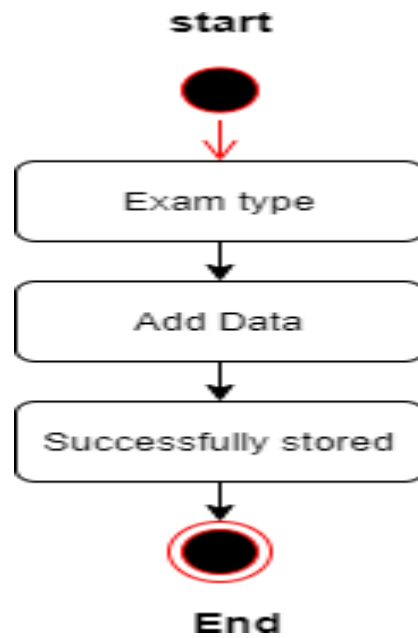


Figure 6.3.11: Exam Type (Teacher)

6.3.12 Exam (Teacher)

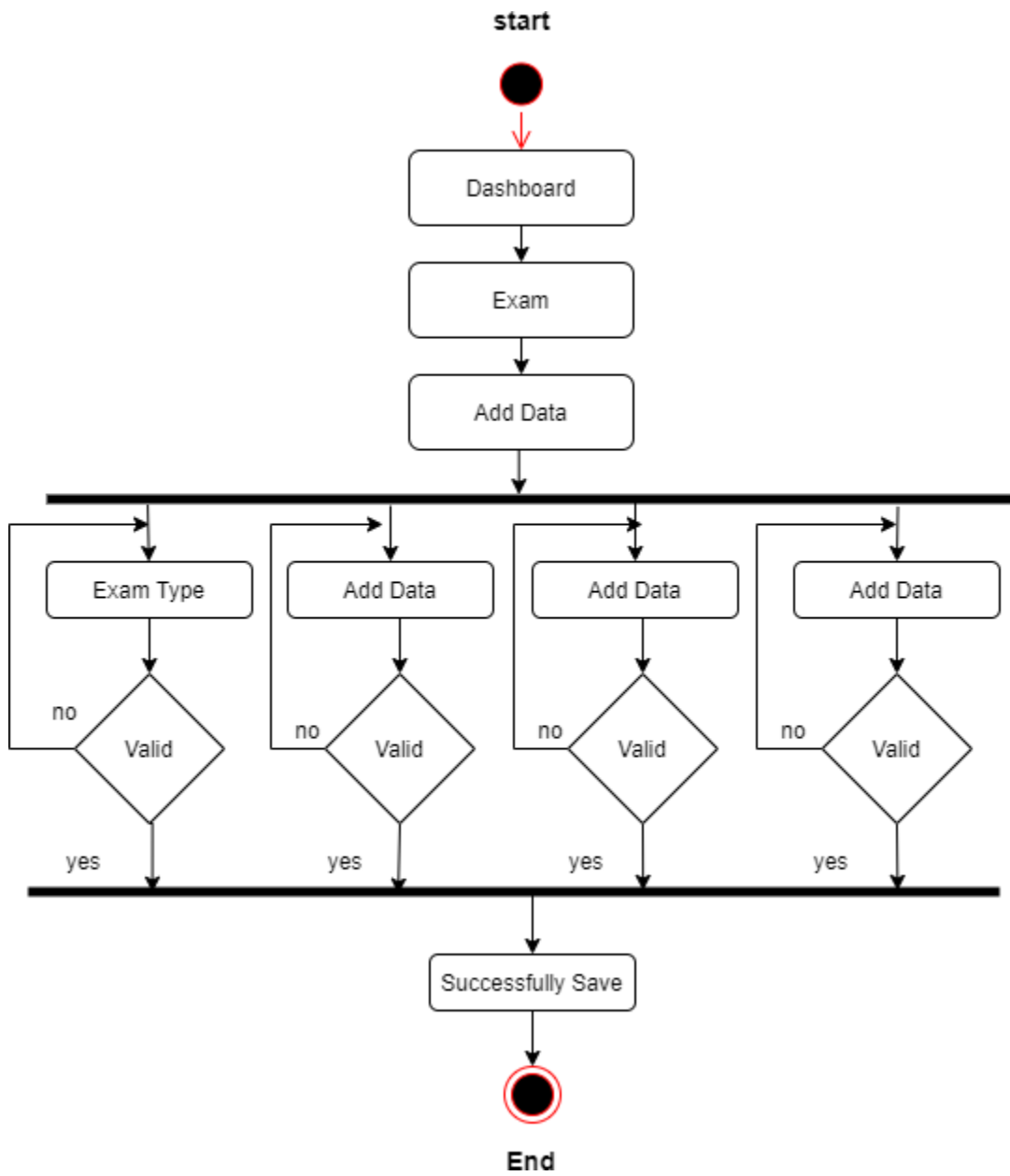


Figure 6.3.12: Exam (Teacher)

6.3.13 Result Entry (Teacher)

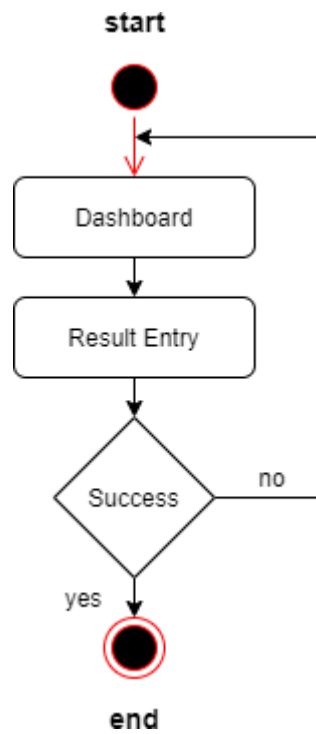


Figure 6.3.13: Result Entry (Teacher)

6.3.14 Teacher Details (Officer)

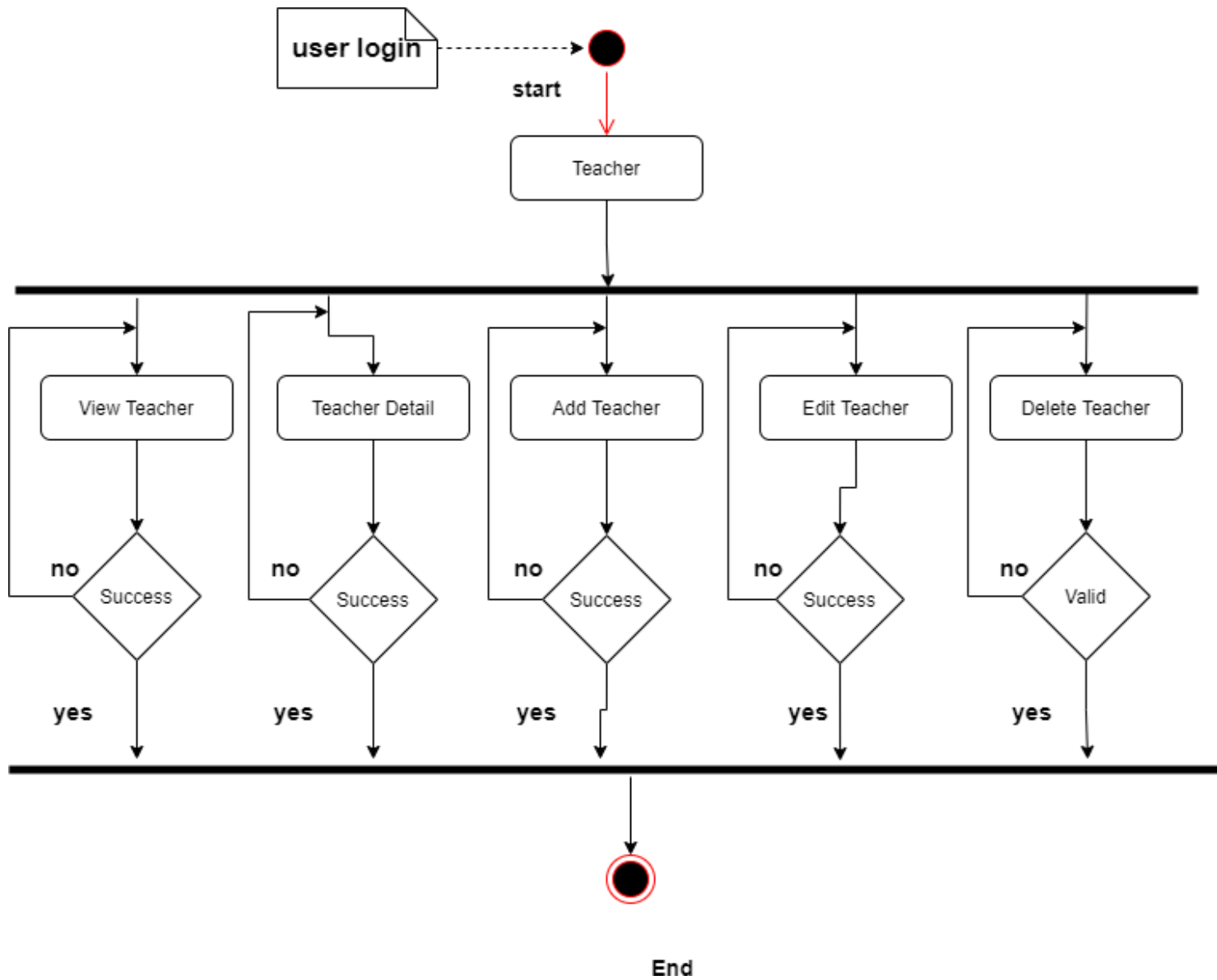


Figure 6.3.14: Teacher Details (Officer)

6.3.15 View Course (Officer, Student)

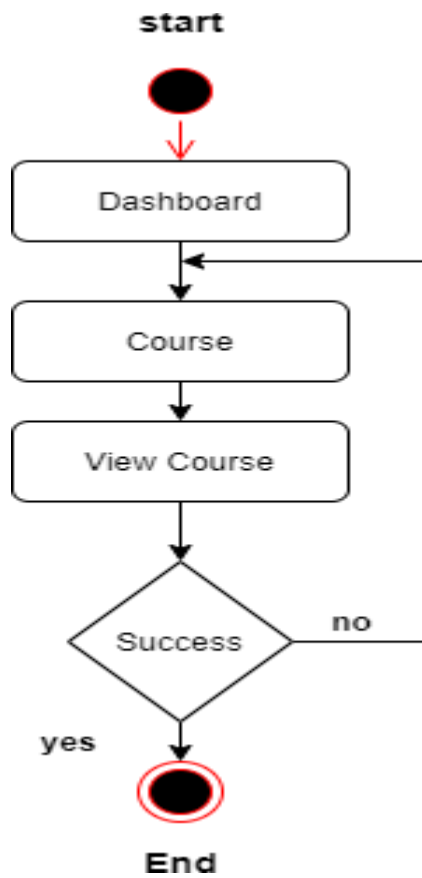


Figure 6.3.15: View Course (Officer, Student)

6.3.16 View Payment Ledger (Officer, Student)

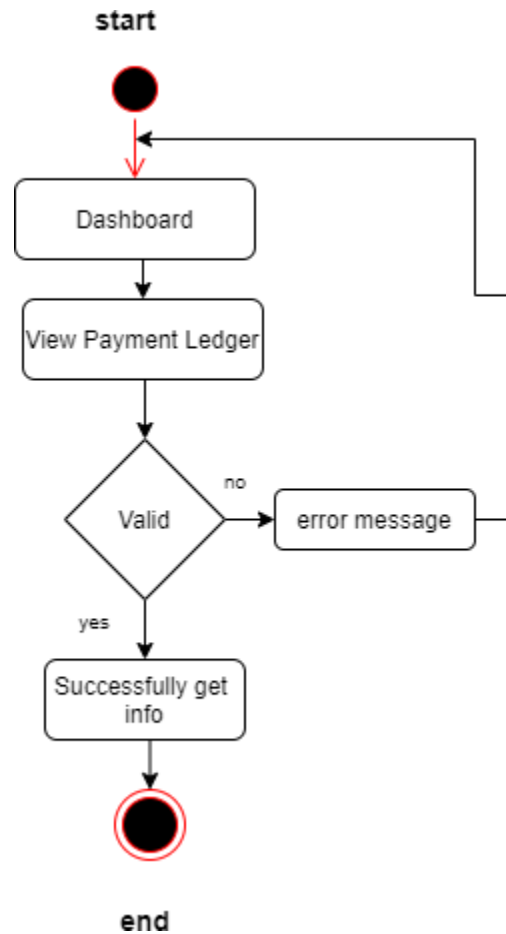


Figure 6.3.16: View Payment Ledger (Officer, Student)

6.4 System Sequence Diagram

6.4.1 Student Register (officer)

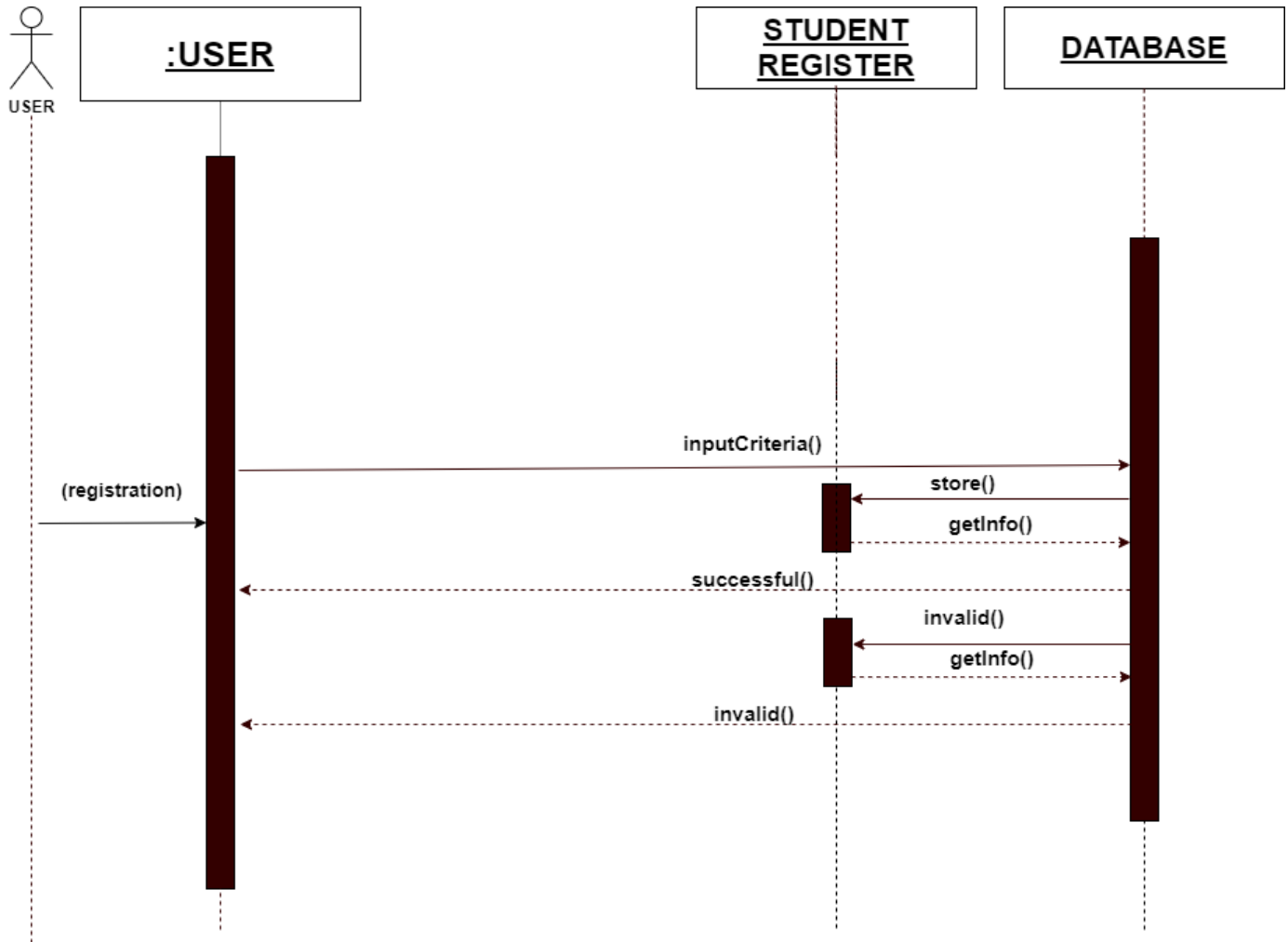


Figure 6.4.1: Student Register (Sequence Diagram)

6.4.2 Login (officer, teacher, student, guardian)

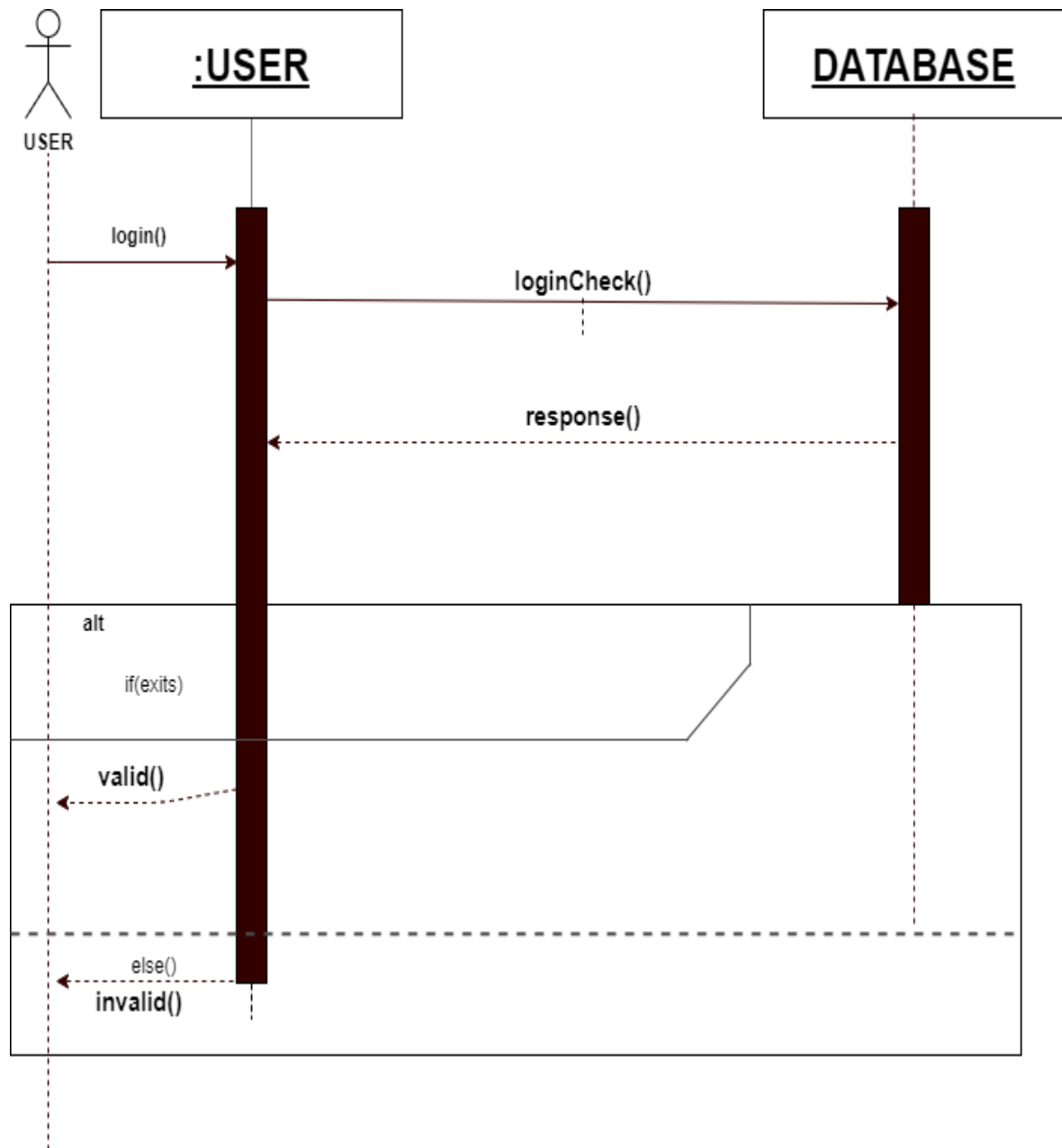


Figure 6.4.2: Login (Sequence Diagram)

6.4.3 Change password (officer, teacher, student, guardian)

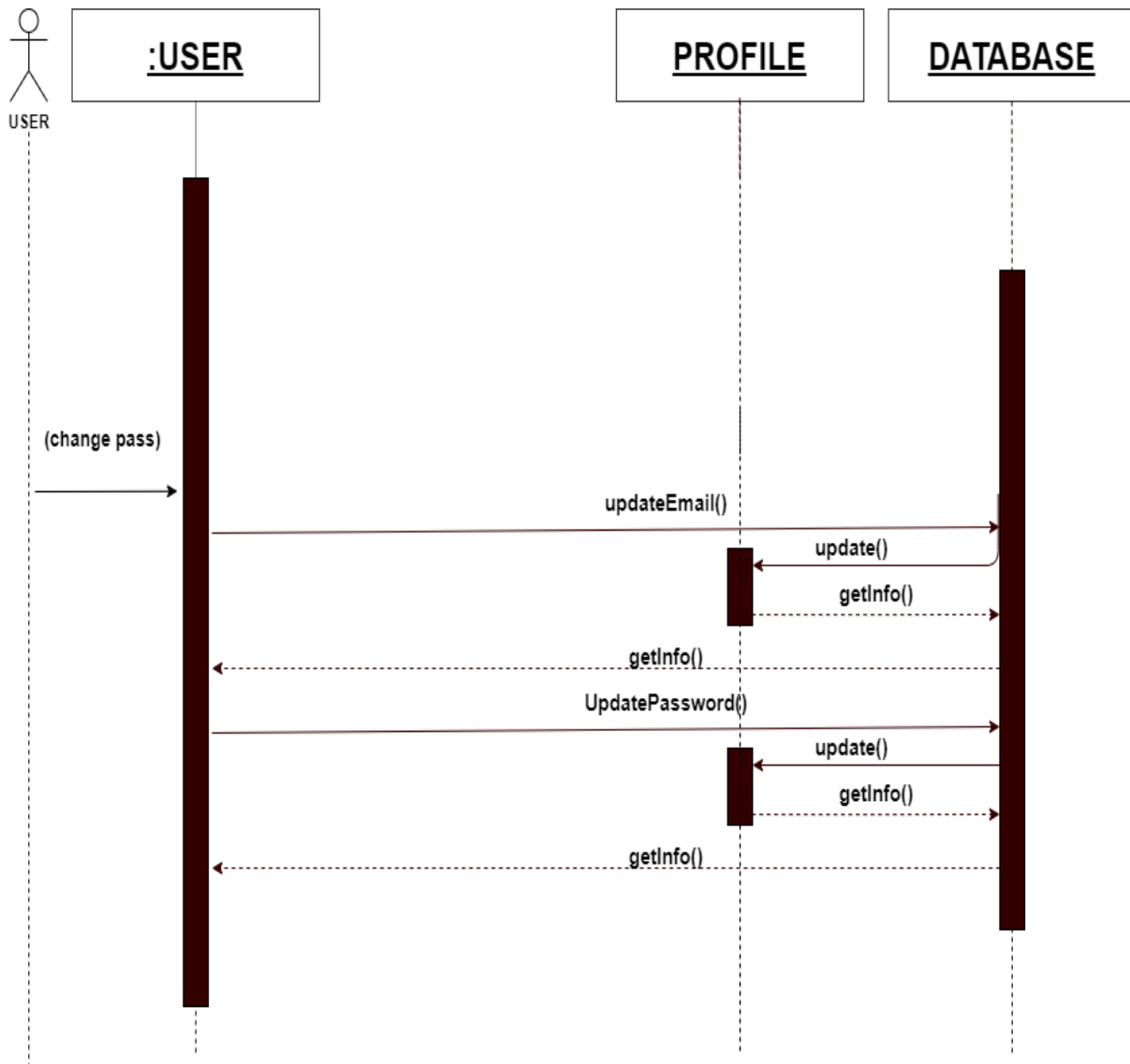


Figure 6.4.3: Change password (Sequence Diagram)

6.4.4 View Attendance (officer, students)

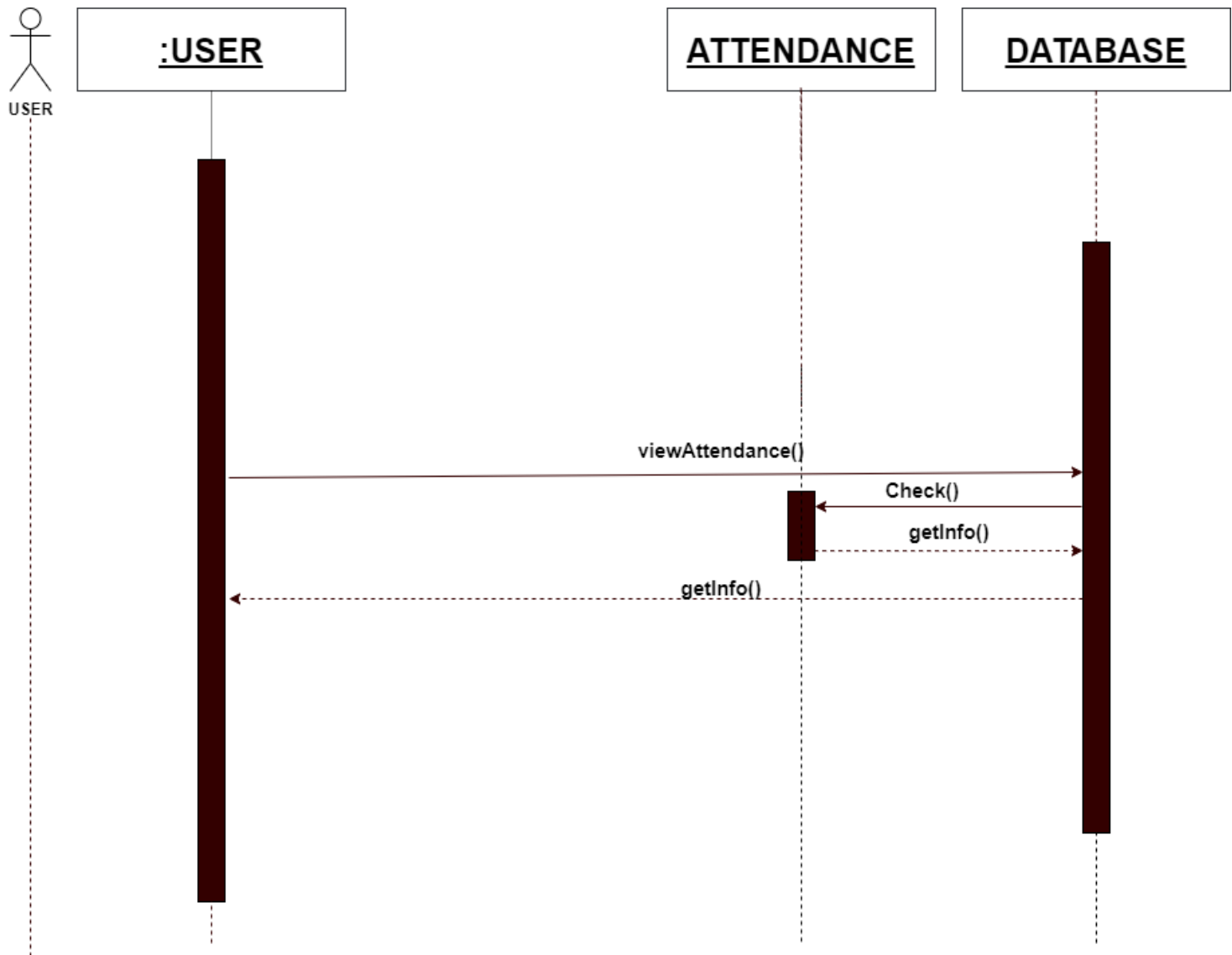


Figure 6.4.4: View Attendance (Sequence Diagram)

6.4.5 Payment Entry (Officer)

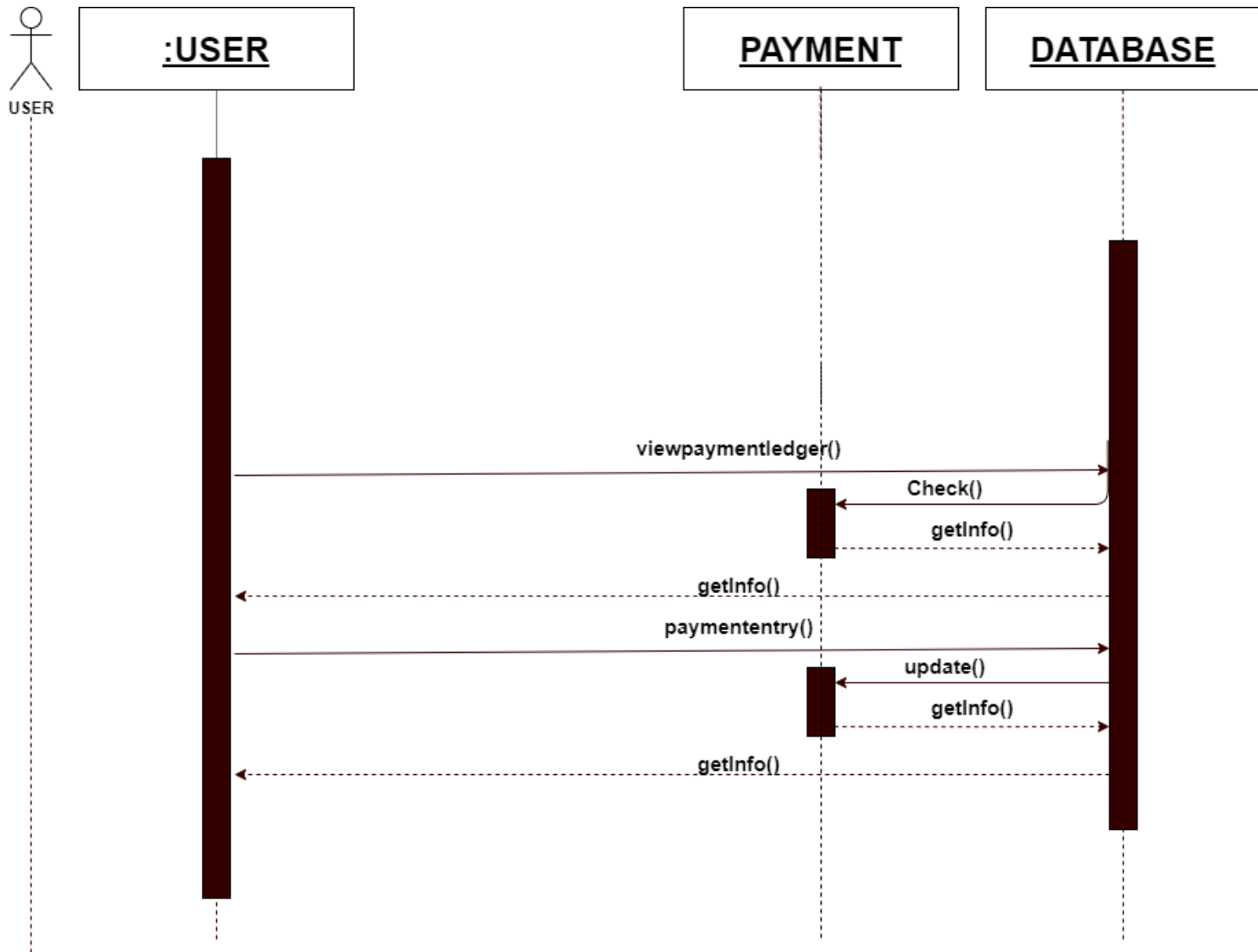


Figure 6.4.5: Payment Entry (Sequence Diagram)

6.4.6 Registered Course (officer, students)

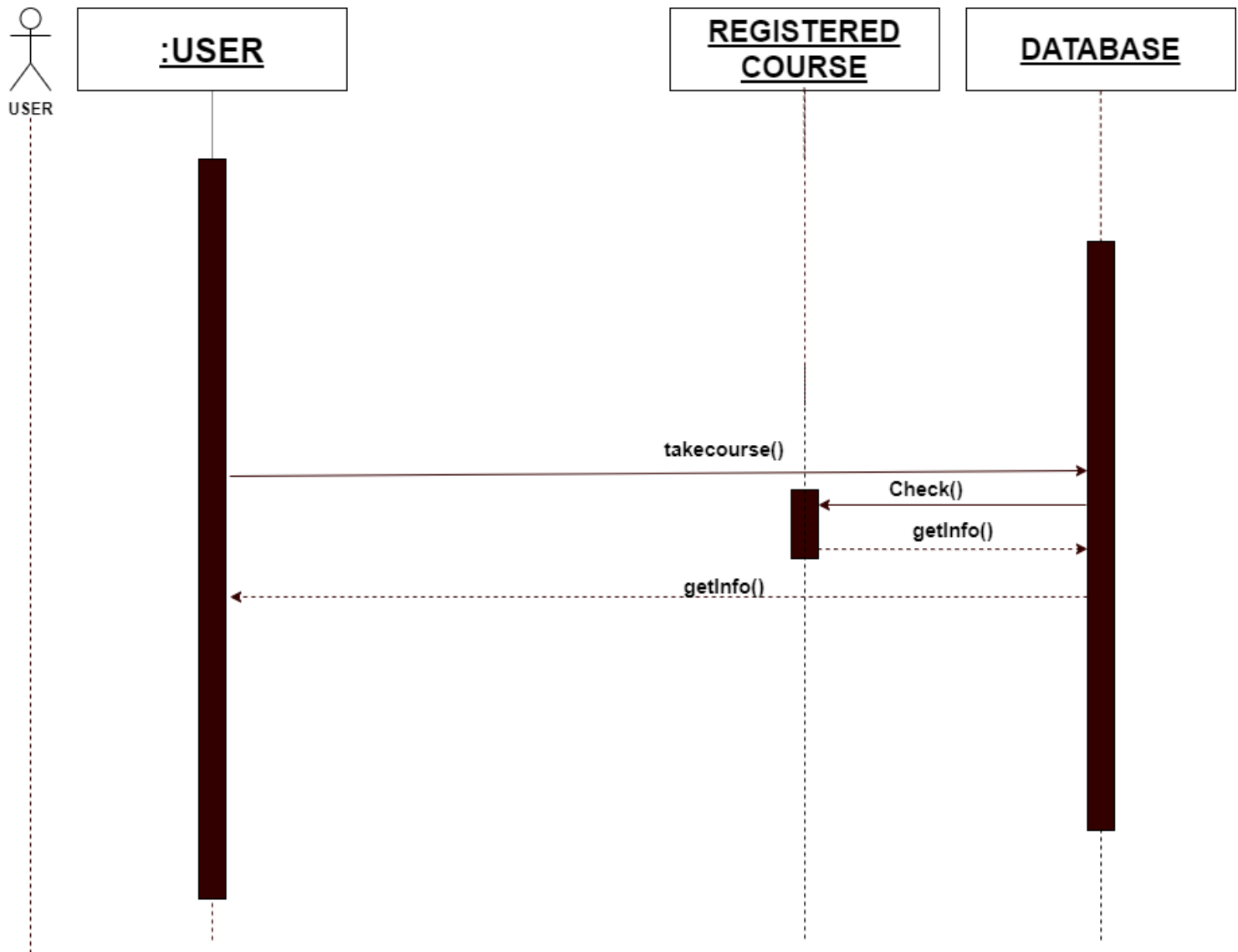


Figure 6.4.6: Registered Course (Sequence Diagram)

6.4.7 Manage Course (officer)

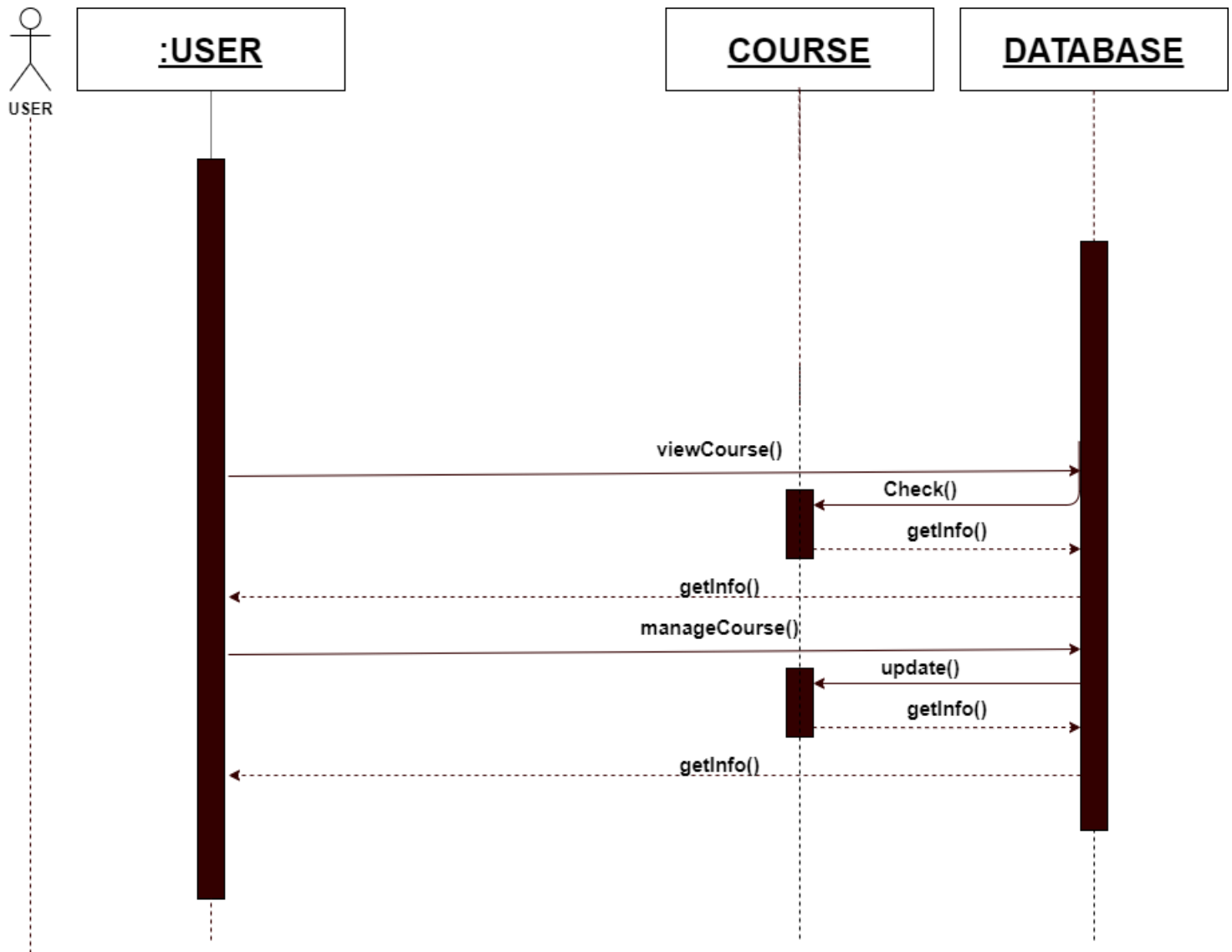


Figure 6.4.7: Manage Course (Sequence Diagram)

6.4.8 View Live Result (officer, students, Guardian)

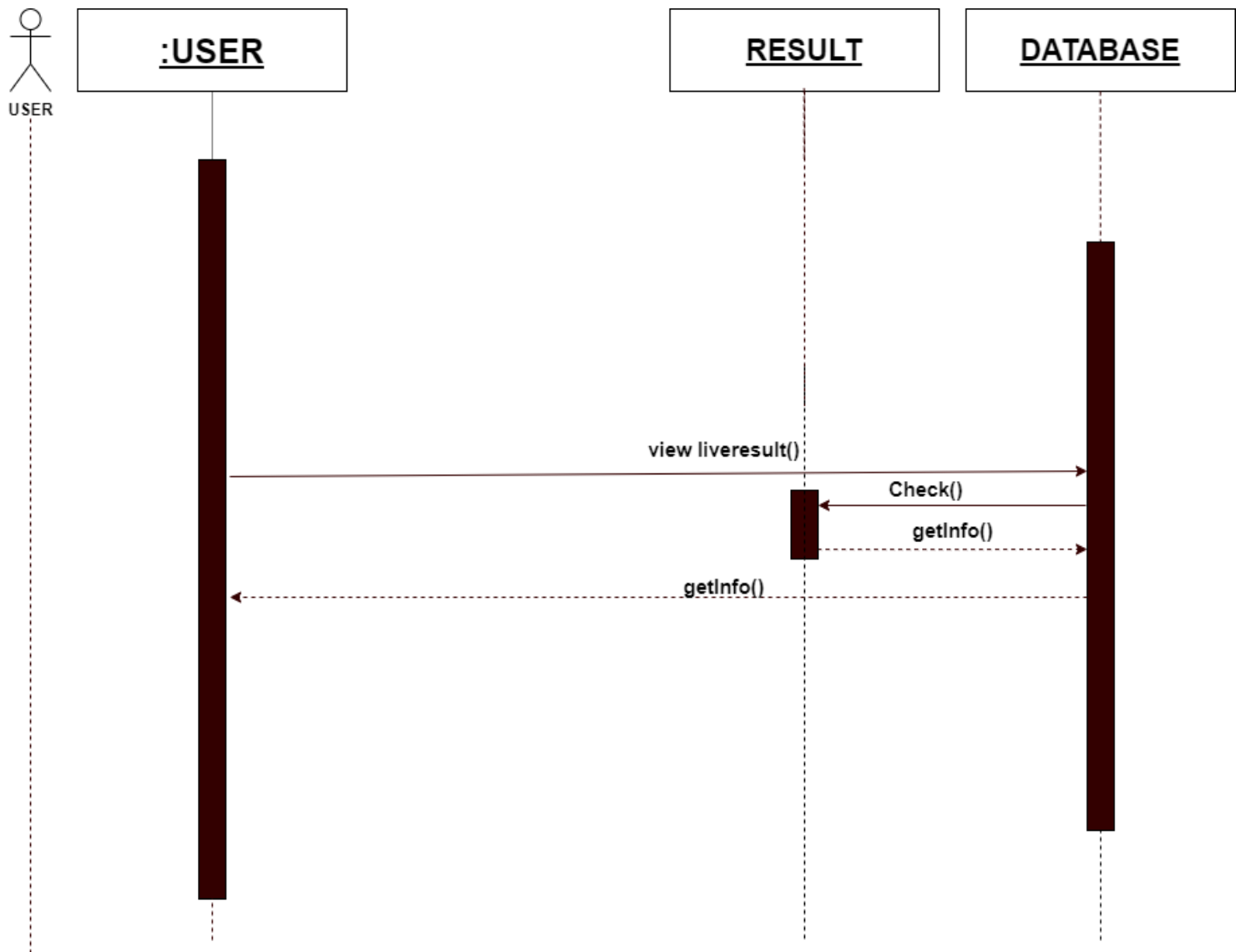


Figure 6.4.8: View live Result (Sequence Diagram)

6.4.9 Take Attendance (teacher)

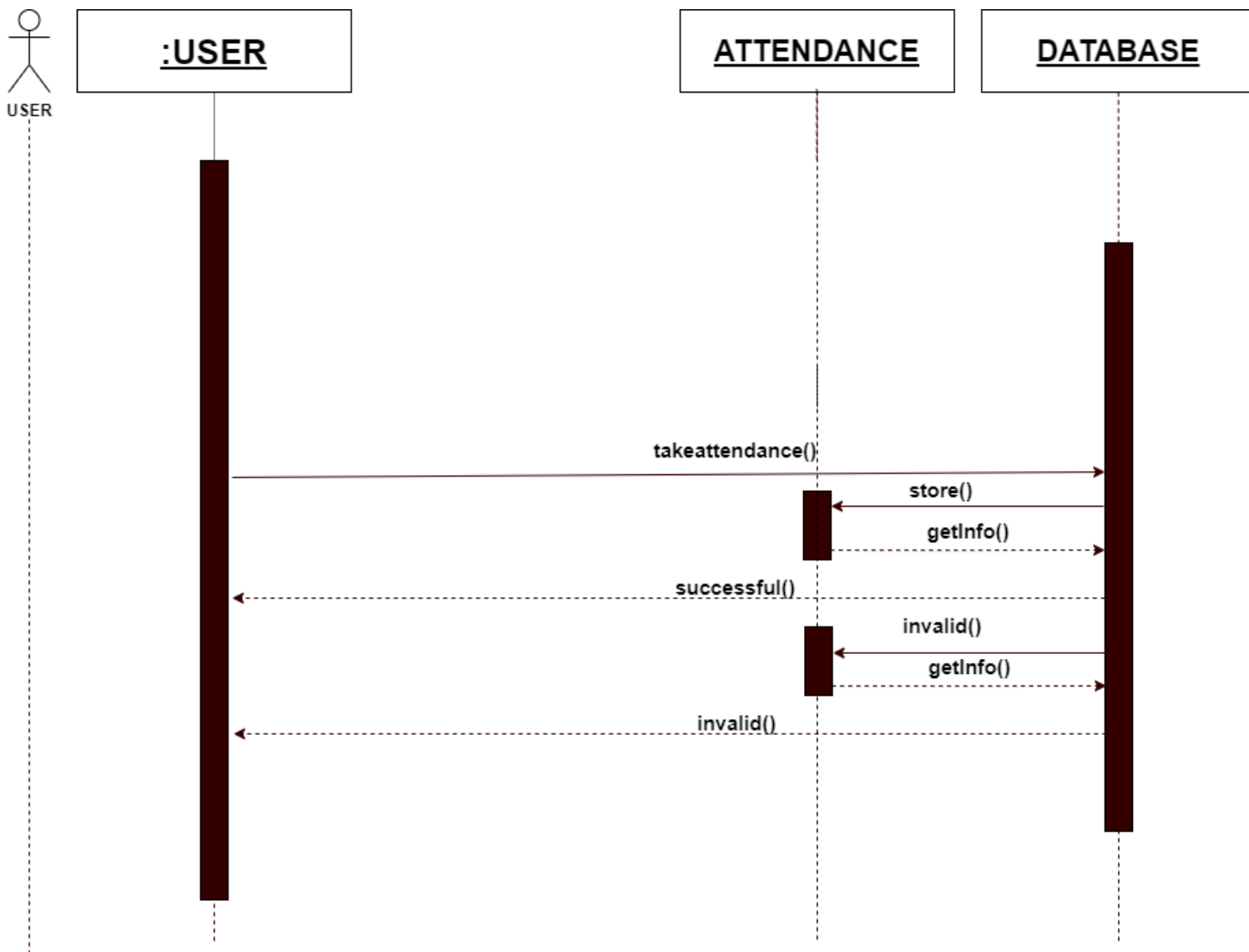


Figure 6.4.9: Take Attendance (Sequence Diagram)

6.4.10 Student Details (manage) (officer)

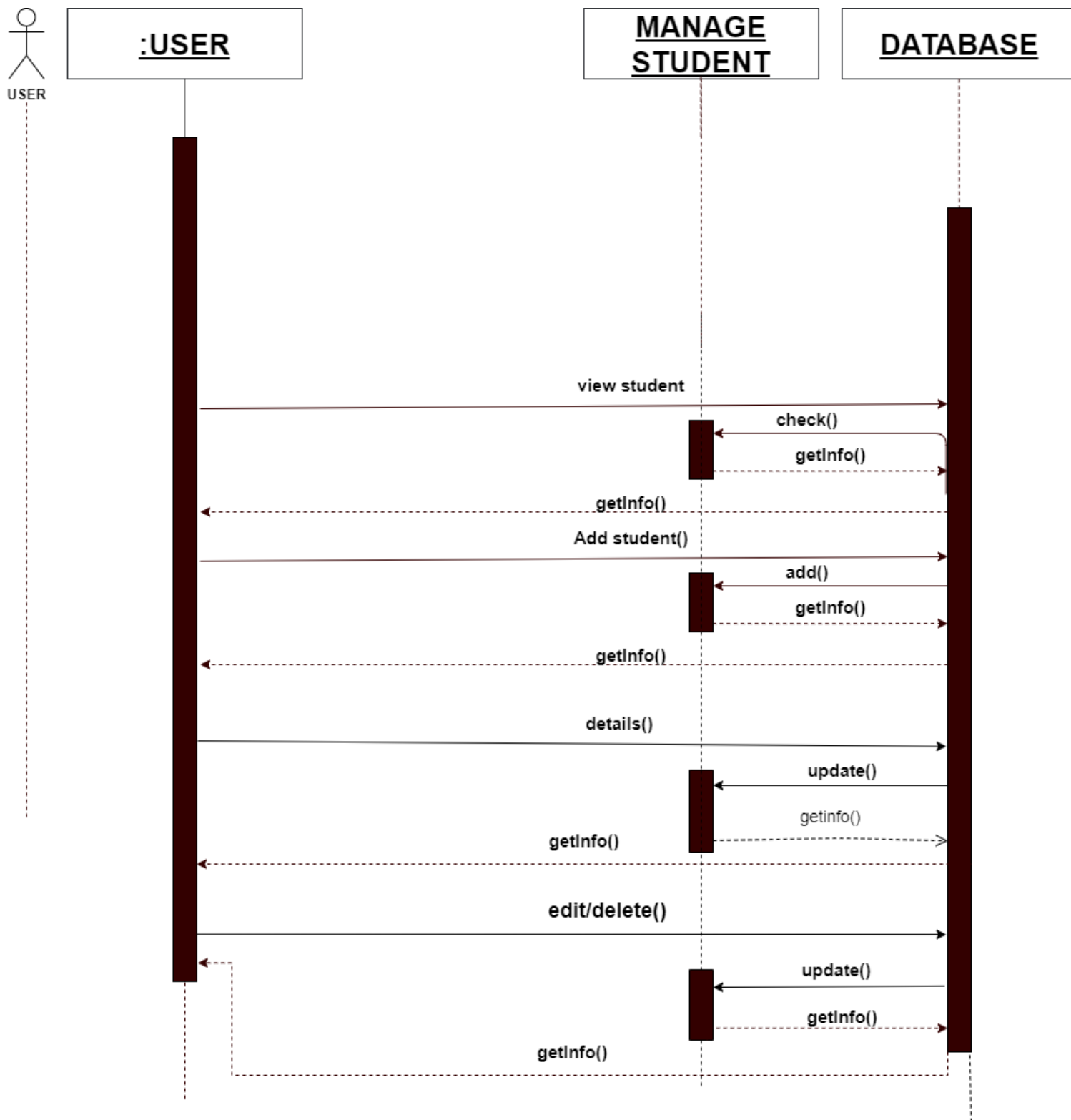


Figure 6.4.10: Student Details (manage)(Sequence Diagram)

6.4.11 Exam Type (teacher)

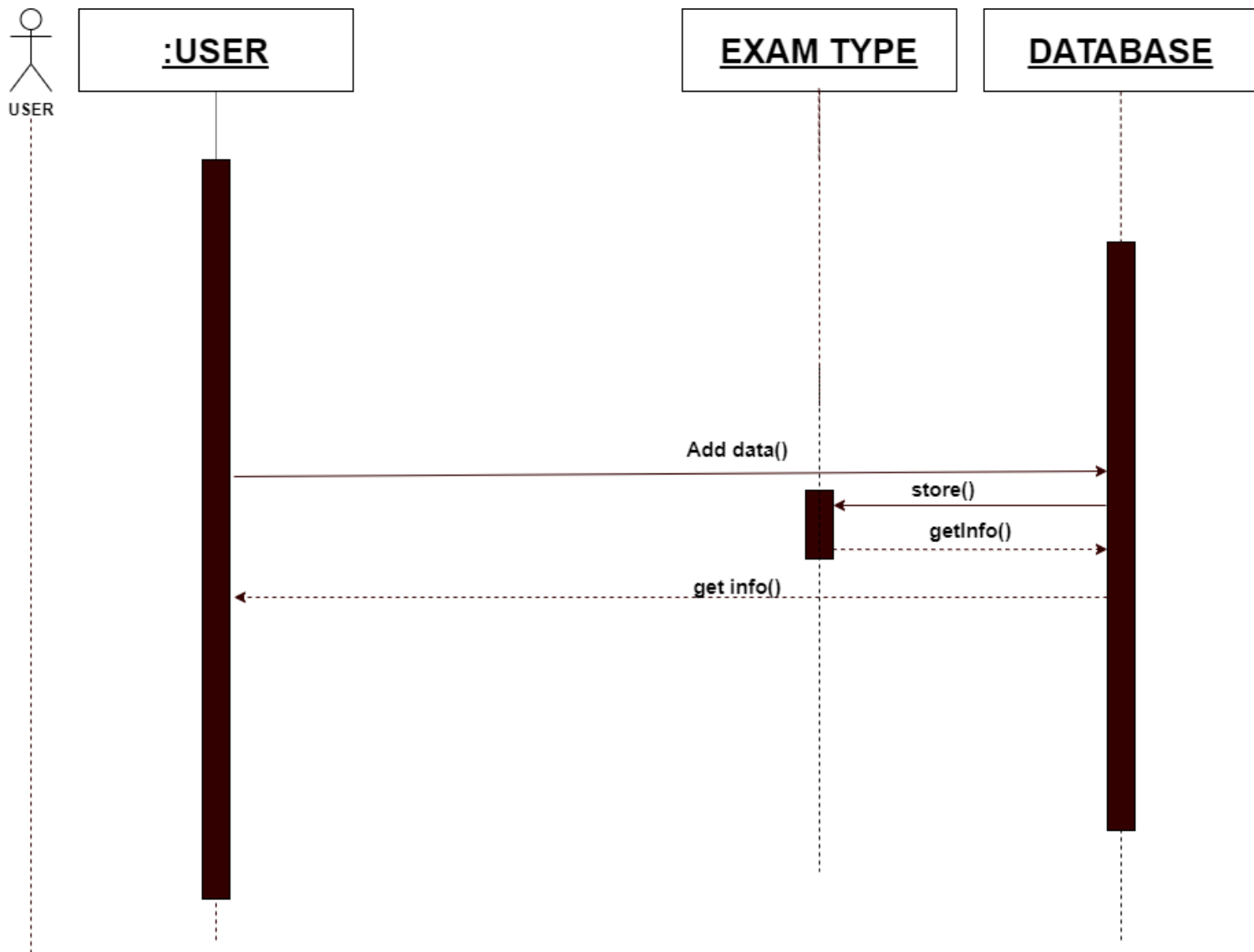


Figure 6.4.11: Exam Type (Sequence Diagram)

6.4.12 Exam (teacher)

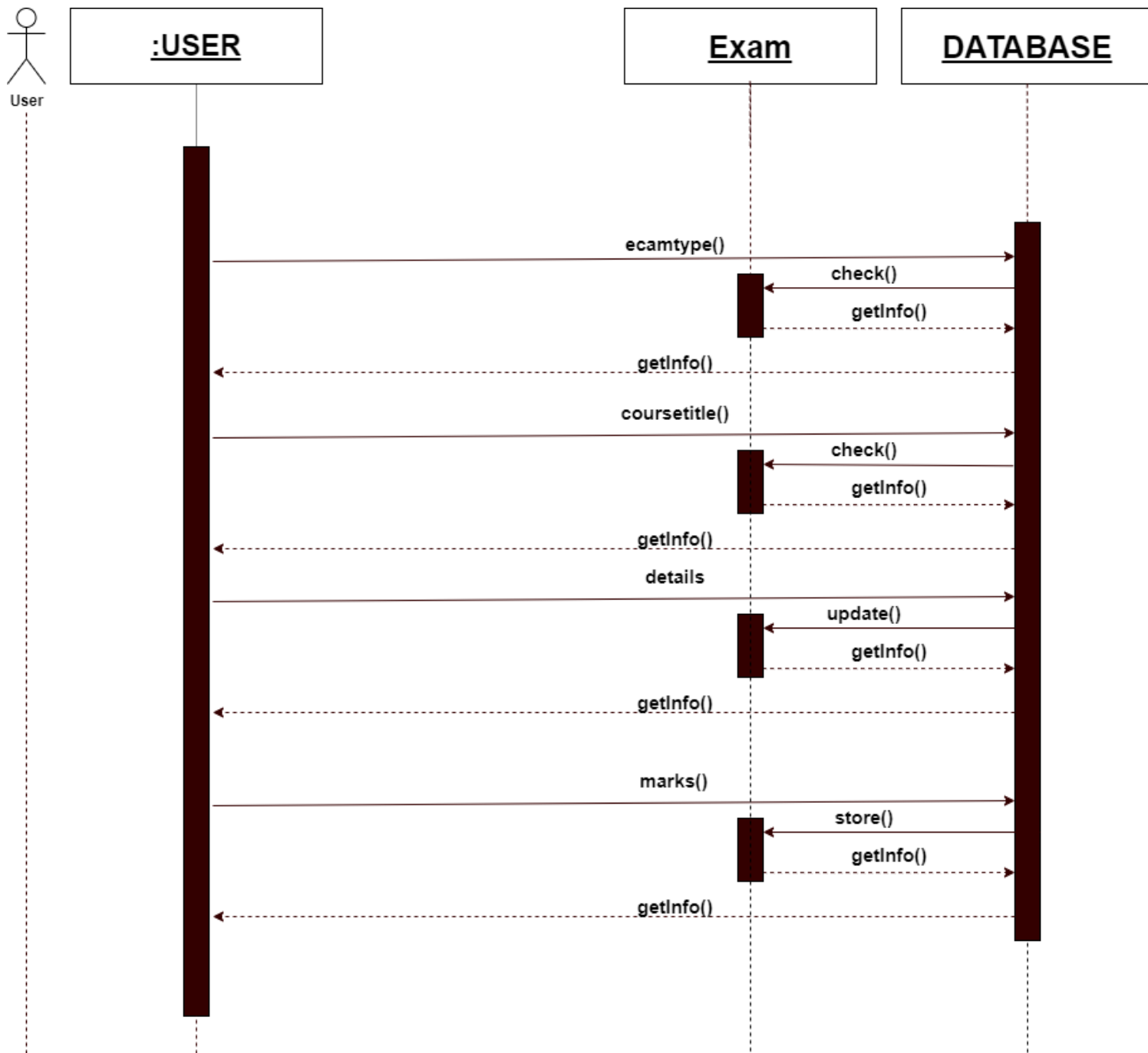


Figure 6.4.12: Exam (Sequence Diagram)

6.4.13 Result Entry (teacher)

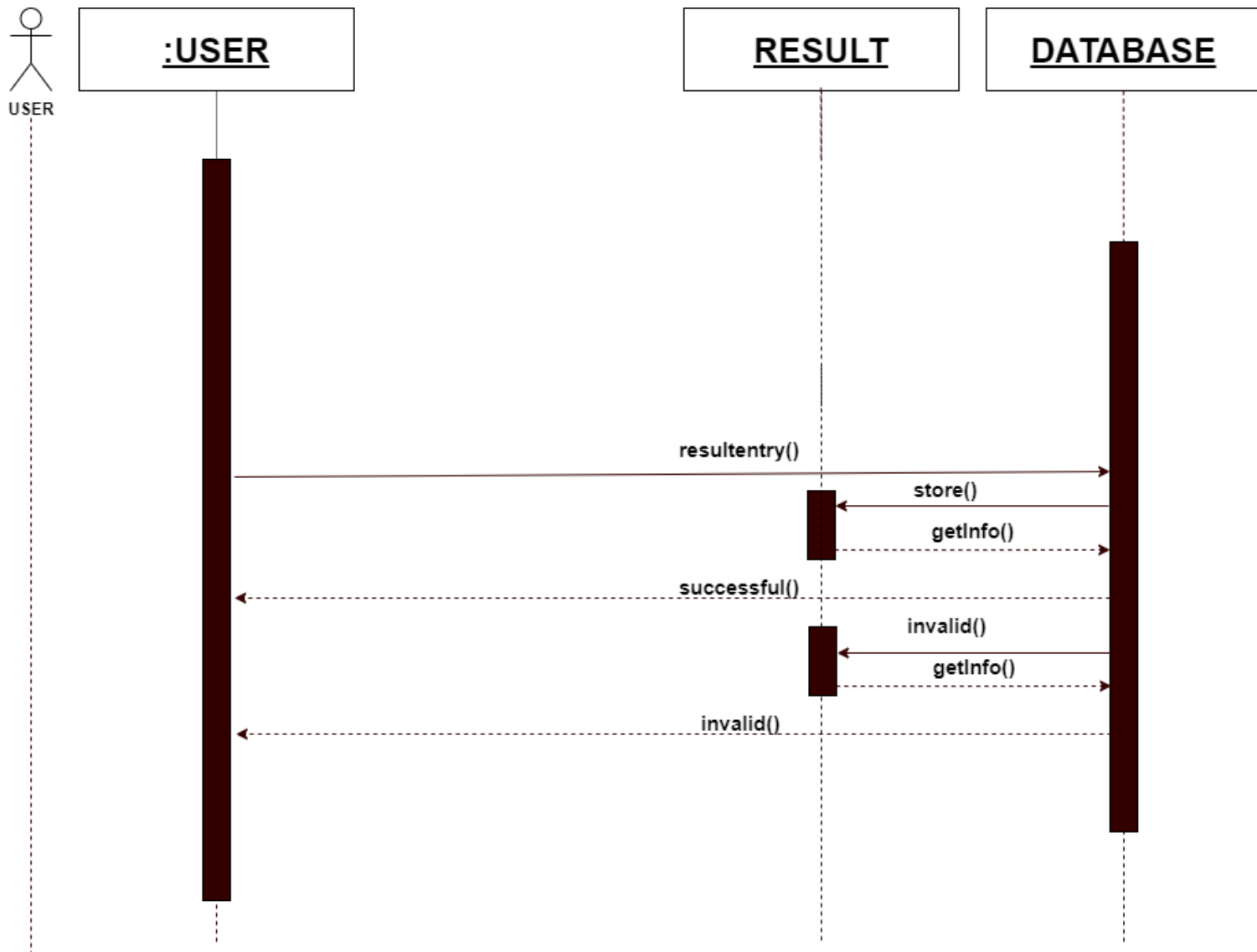


Figure 6.4.13: Result Entry (Sequence Diagram)

6.4.14 Teacher Details (officer)

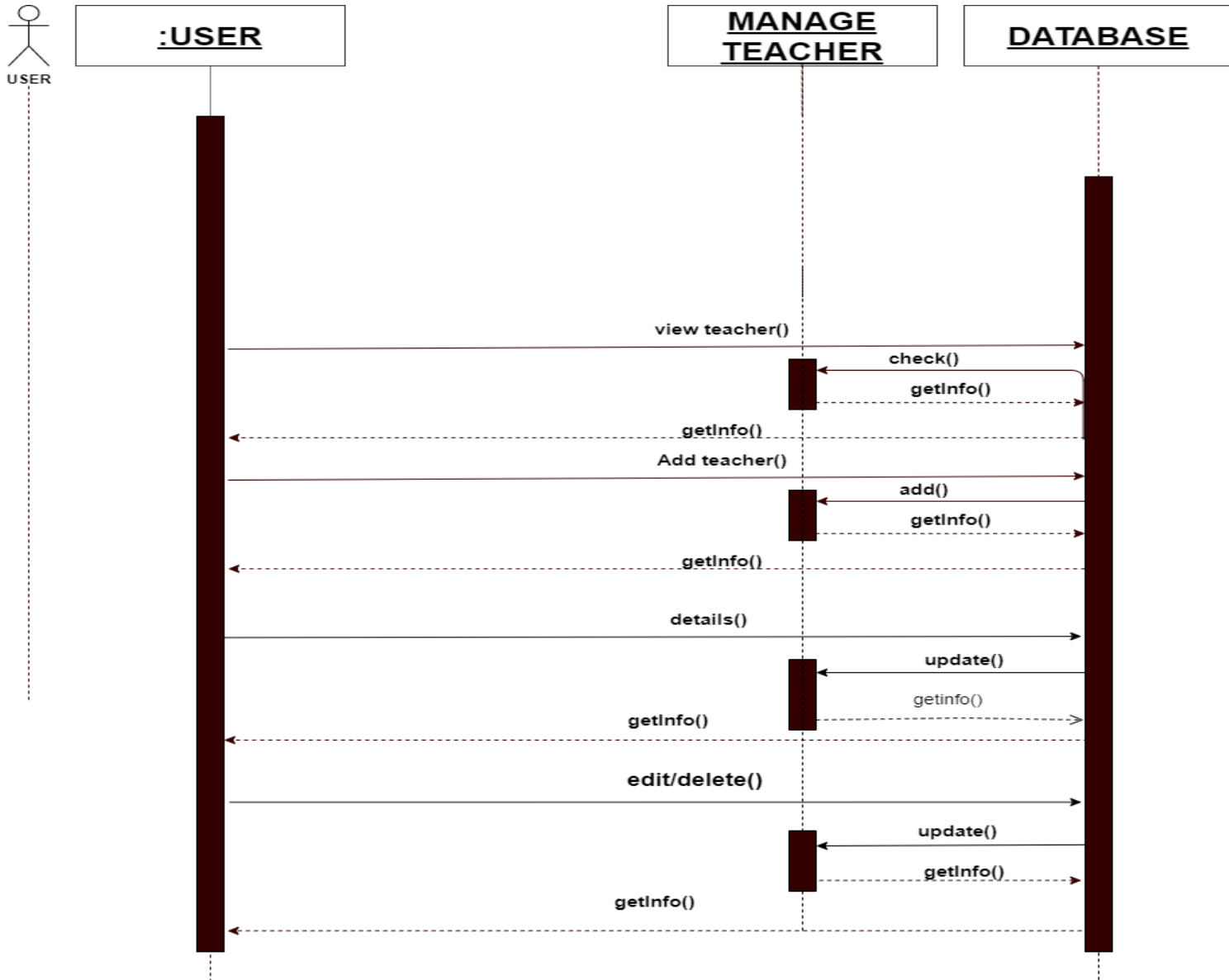


Figure 6.4.14: Teacher Details (Sequence Diagram)

6.4.15 View Course (student, officer)

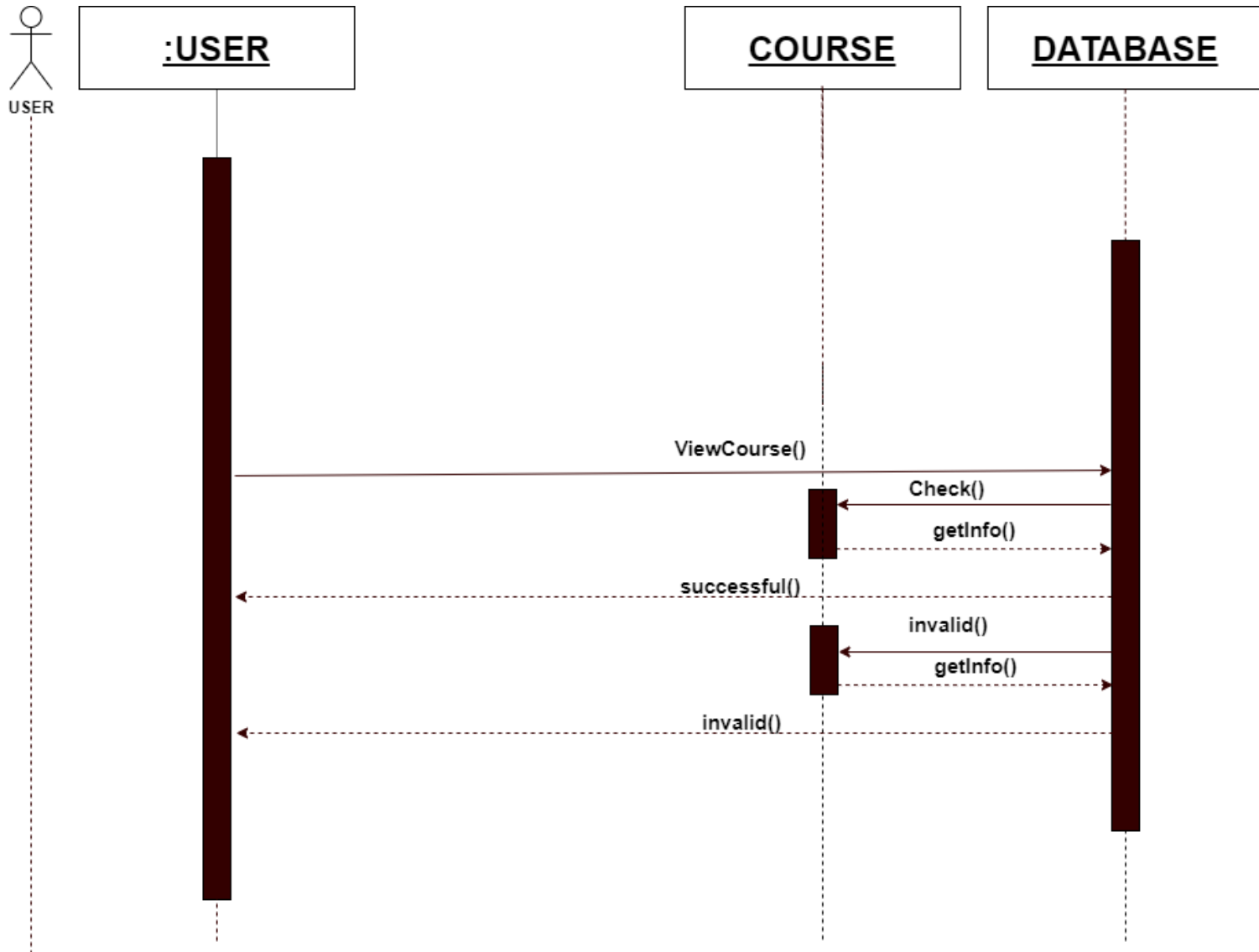


Figure 6.4.15: View Course (Sequence Diagram)

6.4.16 Payment Ledger (student, officer)

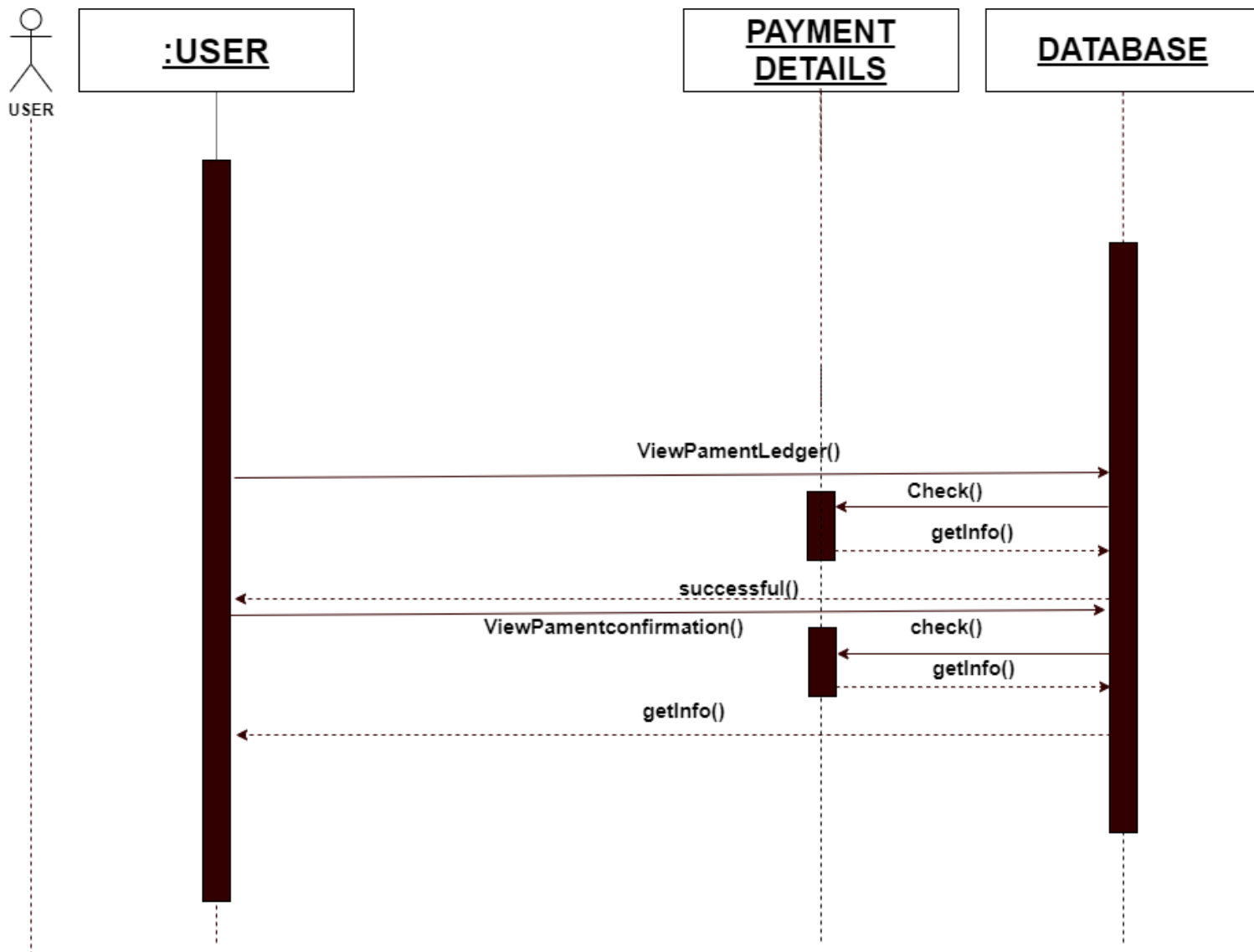


Figure 6.4.16: Payment Ledger (Sequence Diagram)

6.4.17 Logout (student, officer, teacher, Guardian)

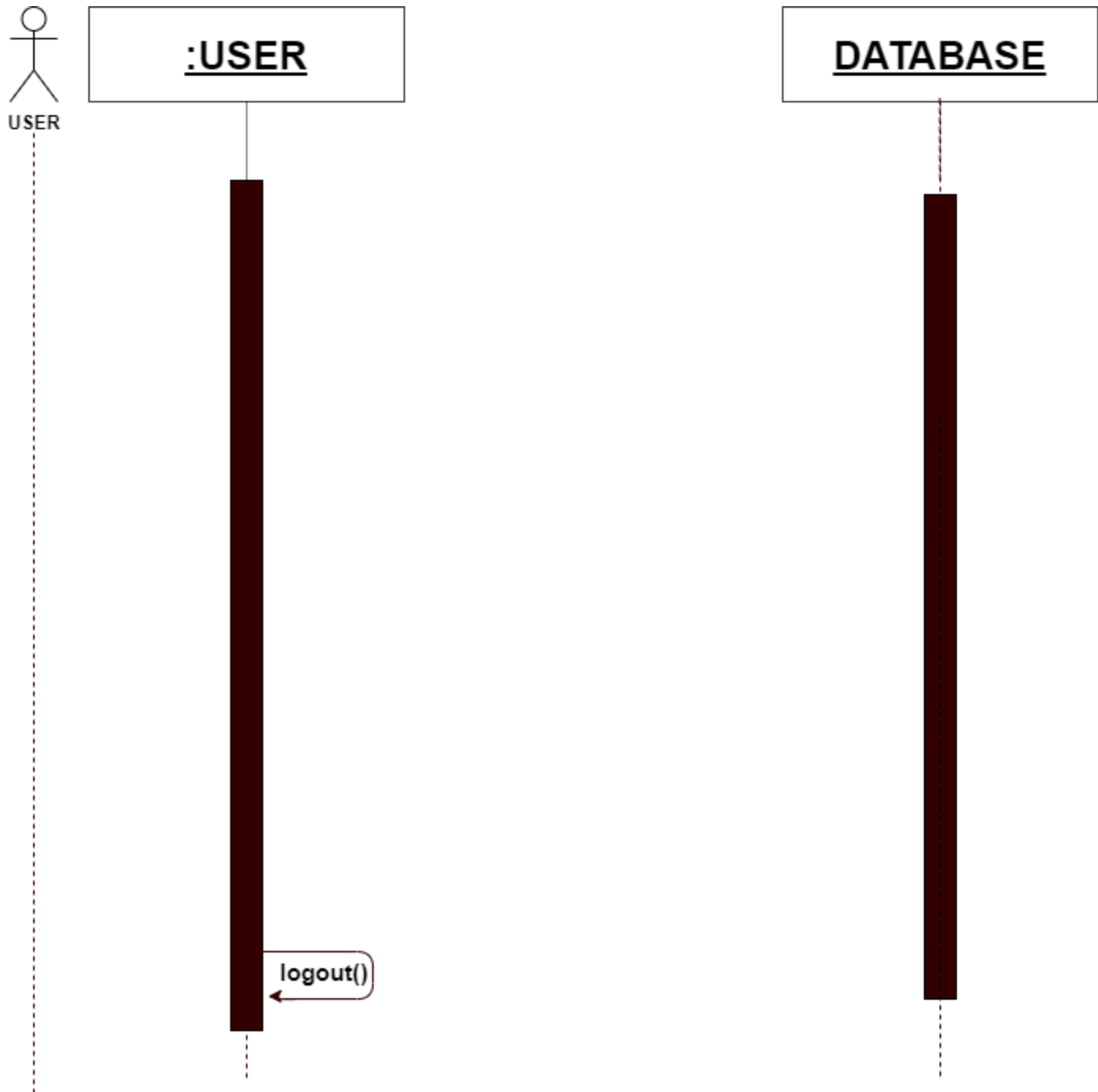


Figure 6.4.17: Logout (Sequence Diagram)

6.5 Class Diagram

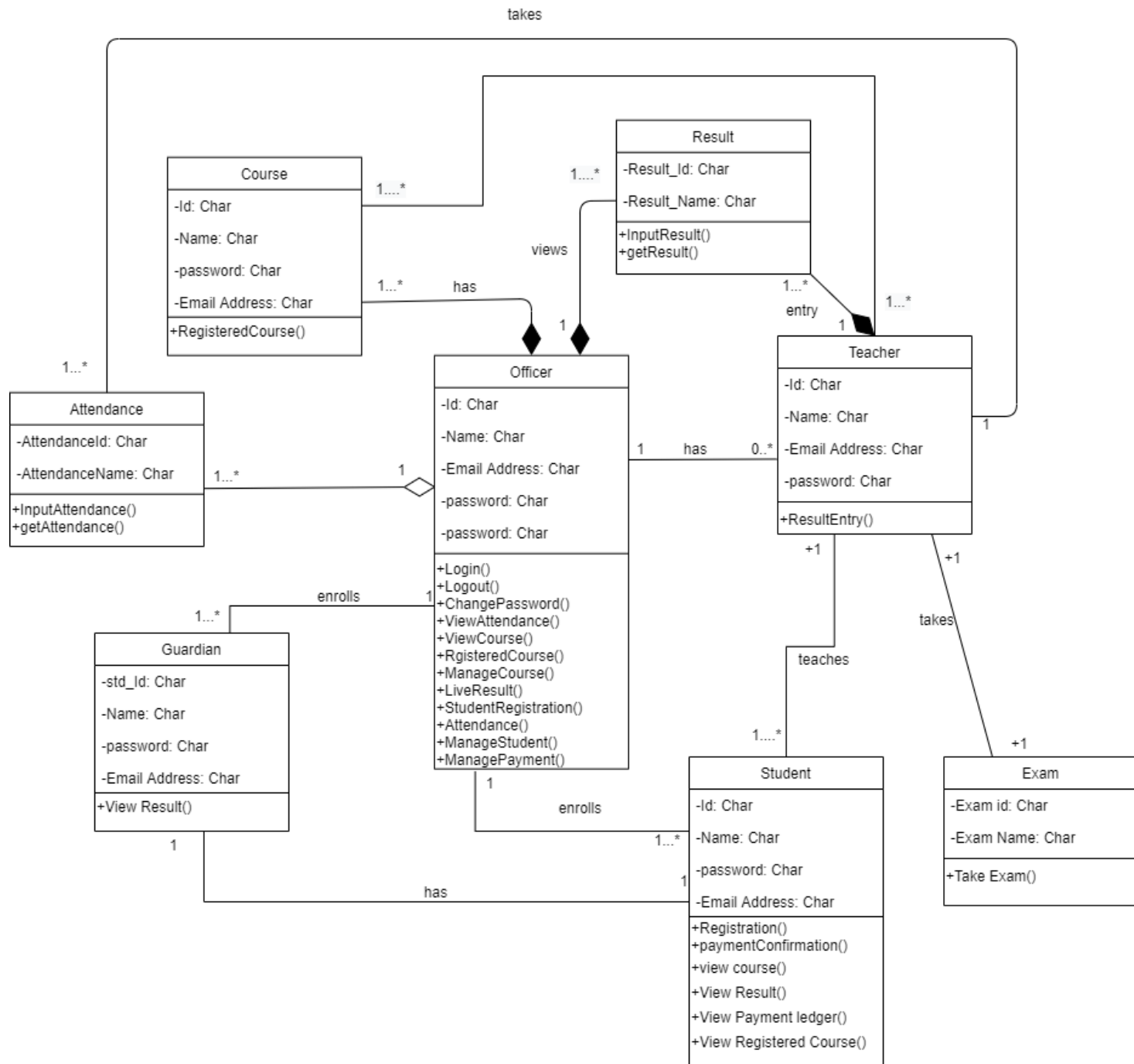
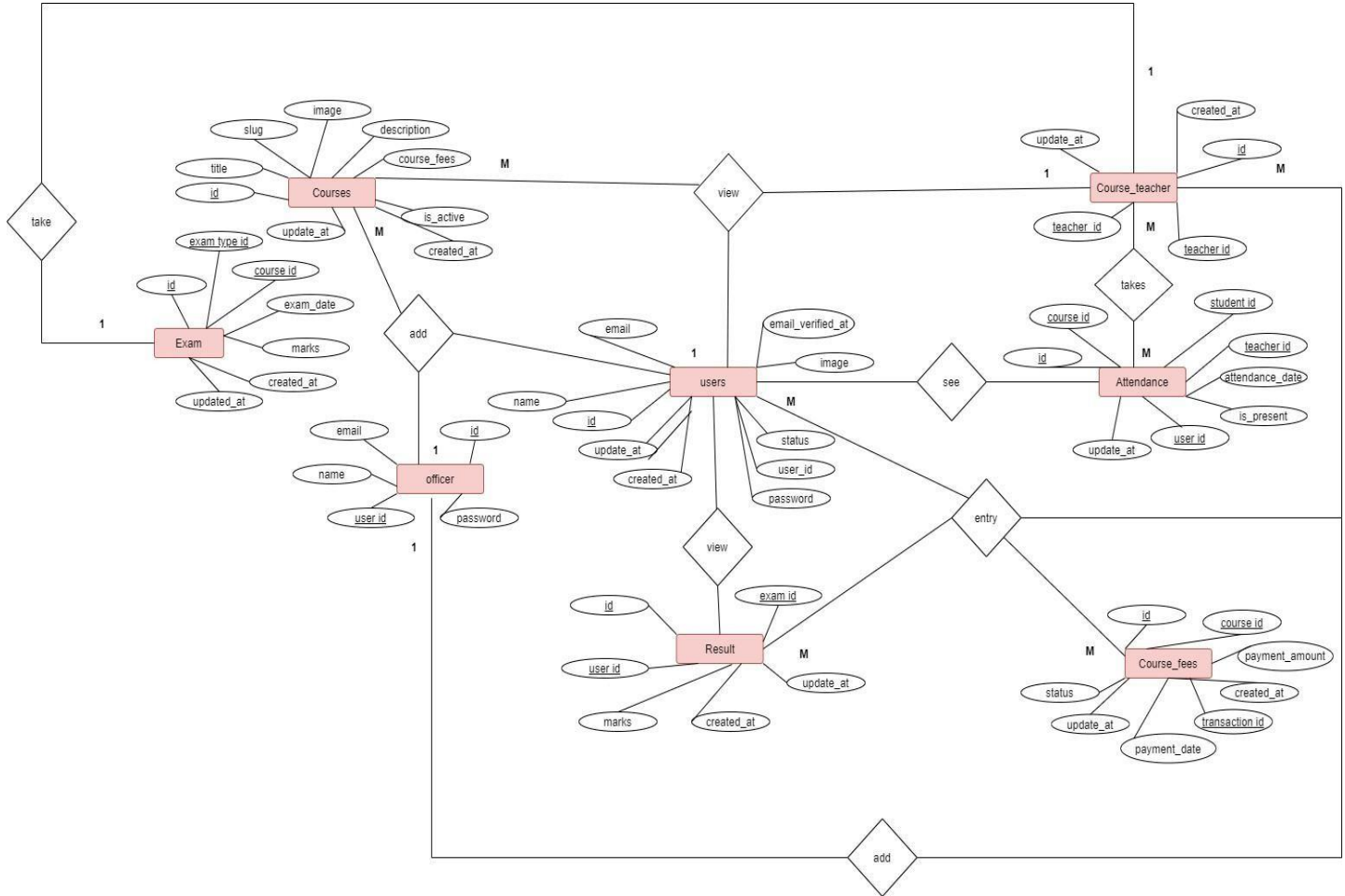


Figure 6.5: Class Diagram

6.6 ERD Diagram



CHAPTER-07

SYSTEM TESTING

7.1 Testing-Features

Testing is an important aspect of any project. We can confirm the functionality described in the paper and what is actually on the system by testing the system. And whether or not the system is functioning properly. Testing features can be viewed as a means to improve or add functionality to an existing project.

7.2 Features those will be test

There are some features below:

- ✚ Login (officer, teacher, student, guardian)
- ✚ Change password (officer, teacher, student, guardian)
- ✚ Log Out (officer, teacher, student, guardian)
- ✚ View Attendance (officer, students)
- ✚ Payment Entry (officer)
- ✚ Registered Course (officer, students)
- ✚ Course(officer)
- ✚ View Result (officer, students, guardian)
- ✚ Student Register(officer)
- ✚ Take Attendance (teacher)
- ✚ Manage Student(officer)
- ✚ Result Entry (teacher)
- ✚ View Course (student, officer)
- ✚ Payment Ledger (student, officer)
- ✚ Teacher Details (officer)

7.3 Testing Strategies

In my system all kind of application is tested differently with lot of test methods. And I have collected all data testing and add on that document.

7.4 Test Approach

Without using any automation tools, I manually checked and validated each work.

7.5 Test Category

- + Integration Testing

- + Module Testing

7.6 Success/Failed-Criteria

The pass/fail test criteria will be decided by the test engineers. It would be considered a failure if a function does not perform correctly during the assessment.

7.7 Testing Environment

- + Operating System (OS).

- + Browsers.

- + Systems.

- + Applications.

- + Database servers.

- + Testing data.

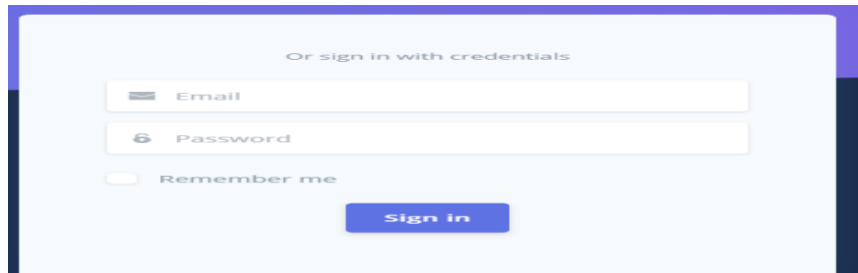
- + Networks.

7.8 Test Cases

7.8.1 Testing Case NO-01 (Integration Testing)

Test-Case ID.01	Modules: Login
Priority of Test: High	Test Date: 7.9.2021
Title: Login (officer, teacher, student, guardian)	Test executed by: Sadia Afrin Mow
Description:	Test executed date: 7.9.2021
Pre-Condition	User will Successfully use this module.
Testing-Steps	1. Click Log in with student Email\ id and password 2. Click Log in with id& password 3. Click Login id & password
Test-Data	Successfully use this module.
Expected-Result	Successfully use this module.
Result	Successfully use this module.
Test-Status (Fail/Pass)	Pass.
Test Post-Condition:	Successfully pass the Criteria.

Table 7.8.1: Testing-Case- Login (officer, teacher, student, guardian)



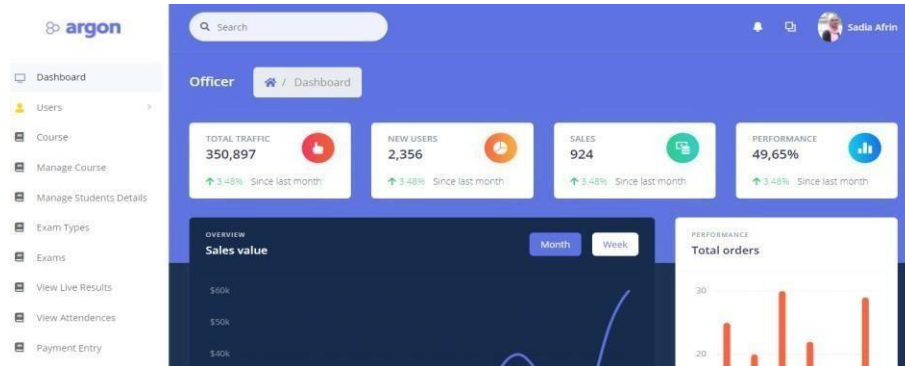
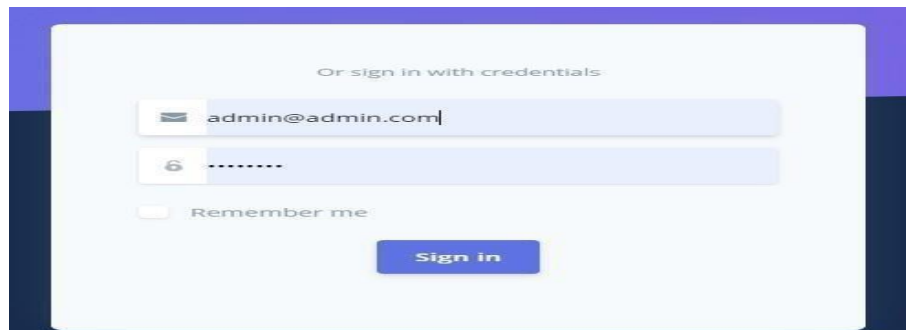
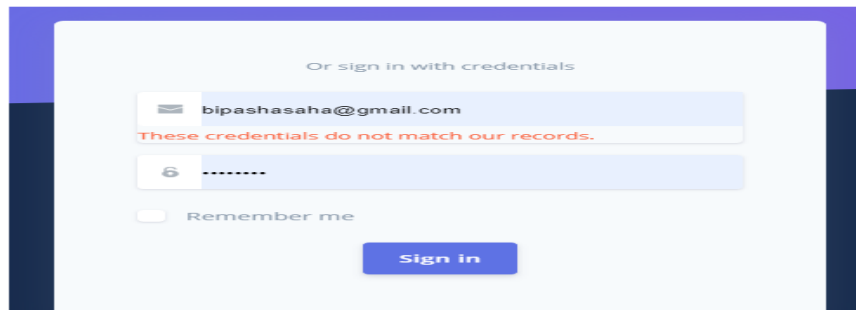
Or sign in with credentials

Email

Password

☐ Remember me

Sign in

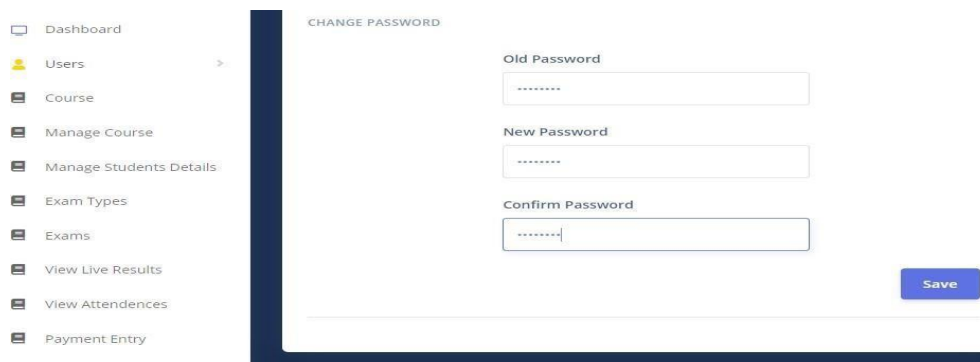


7.8.2 Testing Case No-02 (Integration Testing)

Test-Case ID.02	Modules: Change password.
Priority of Test: High	Test Date: 7.9.2021
Title: Change password (officer, teacher, student, guardian)	Test executed by: Sadia Afrin Mow
Description:	Test executed date: 7.9.2021

Pre-Condition	User will Successfully use this module.
Testing-Steps	1. Student will click button change the password 2. Officer will click button change the password 3. Teacher will click button change the password
Test-Data	Successfully use this module.
Expected-Result	Successfully use this module.
Result	Successfully use this module.
Test-Status (Fail/Pass)	Pass.
Test Post-Condition	Successfully pass the Criteria.

Table 7.8.2: Testing-Case- Change password (officer, teacher, student, guardian)

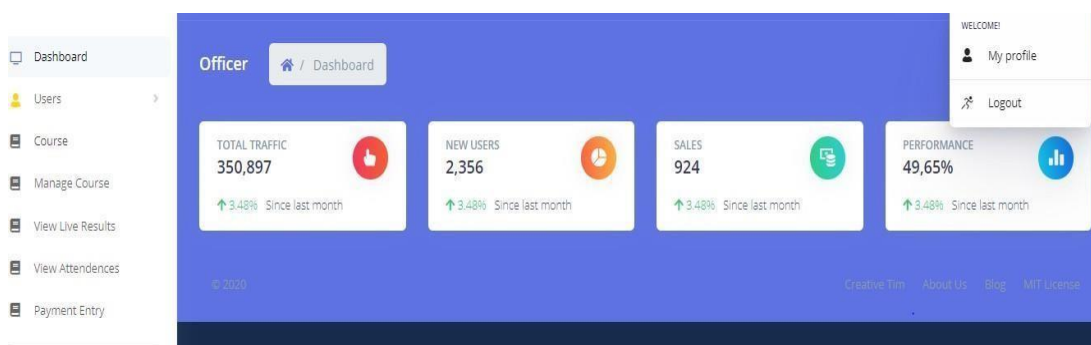


7.8.3 Testing Case No-03 (Integration Testing)

Test-Case ID.03	Modules: Log Out.
Priority of Test: High	Test Date:10.9.2021
Title: Log Out (officer, teacher, student, guardian)	Test executed by: Sadia Afrin Mow
Description:	Test executed date: 10.9.2021

Pre-Condition:	User will Successfully use this module.
Testing-Steps	Click on Log out.
Test-Data	Successfully use this module.
Expected-Result:	Successfully use this module.
Result	Successfully use this module.

Table 7.8.3: Testing-Case- Logout (officer, student, teacher, guardian)

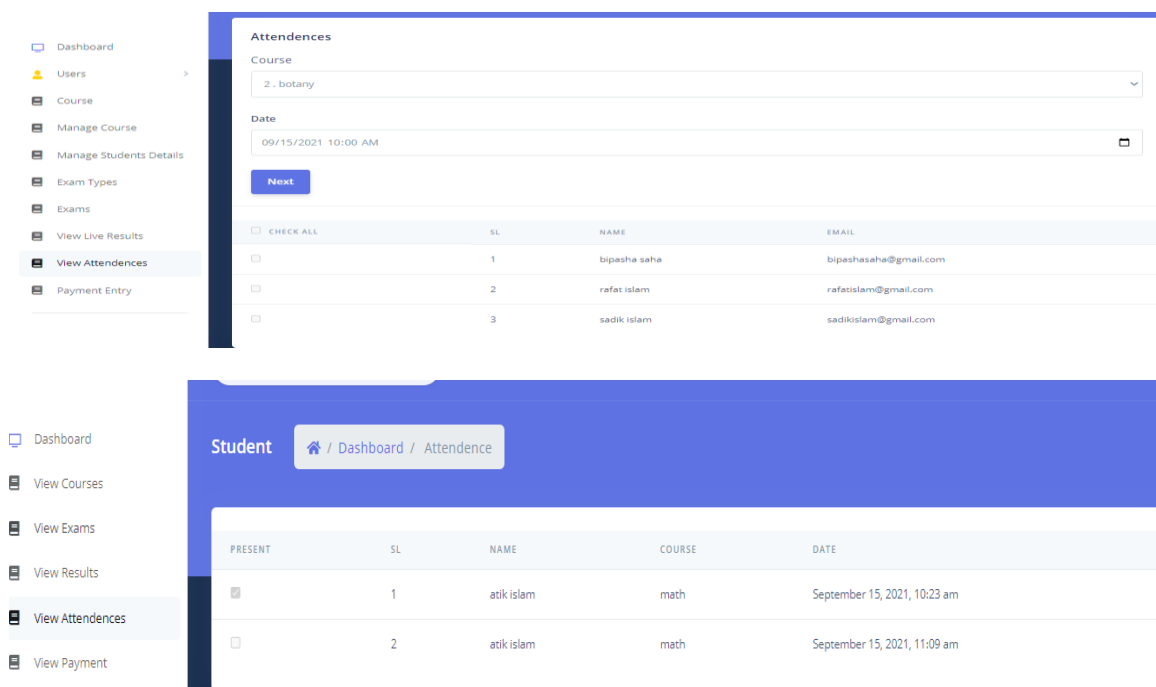


7.8.4 Testing Case No-04 (Module Testing)

Test case ID.04	Modules: View Attendance.
Priority of Test: High	Test Date: 7.9.2021
Title: View Attendance (officer, students)	Test executed by: Sadia Afrin Mow
Description:	Test executed date: 7.9.2021
Pre-Condition	User will Successfully use this module.
Testing-Steps	1. Student will click on view attendance 2. Officer will click on view attendance
Test-Data	Successfully use this module.
Expected-Result	Successfully use this module.

Result	Successfully use this module.
Test-Status (Fail/Pass)	Pass.
Test Post-Condition	Successfully pass the Criteria.

Table 7.8.4: Testing-Case- View Attendance (officer, students)



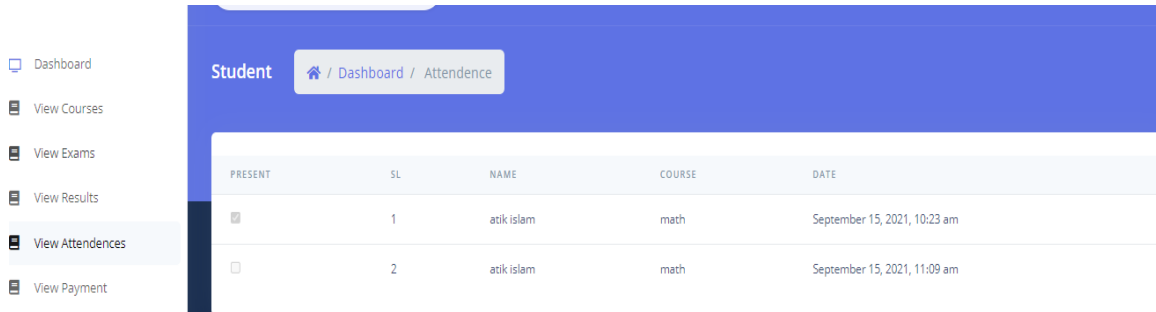
Attendances

Course: 2. botany

Date: 09/15/2021 10:00 AM

Next

☐ CHECK ALL	SL	NAME	EMAIL
☐	1	bipasha saha	bipashasaha@gmail.com
☐	2	rafat islam	rafatislam@gmail.com
☐	3	sadik islam	sadikislam@gmail.com



Student / Dashboard / Attendance

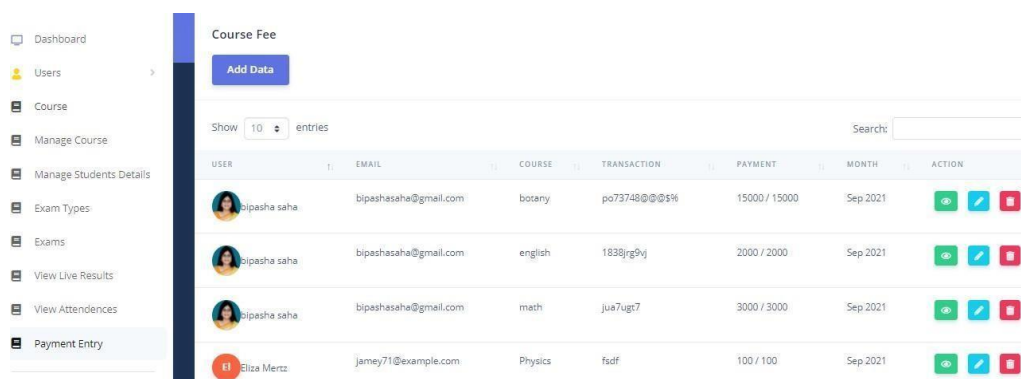
PRESENT	SL	NAME	COURSE	DATE
☒	1	atik islam	math	September 15, 2021, 10:23 am
☐	2	atik islam	math	September 15, 2021, 11:09 am

7.8.5 Testing Case No-05 (Module Testing)

Test case ID.05	Modules: Payment Entry
Priority of Test: High	Test Date: 7.9.2021
Title: Payment(student)	Test executed by: Sadia Afrin Mow
Description:	Test executed date: 7.9.2021
Pre-Condition	User will Successfully use this module.
Testing-Steps	Officer can check every student's payment Ledger by click on payment ledger.
Test-Data	Successfully use this module.

Expected-Result	Successfully use this module.
Result	Successfully use this module.
Test-Status (Fail/Pass)	Pass.
Test Post-Condition	Successfully pass the Criteria.

Table 7.8.5: Testing-Case- Payment (officer)



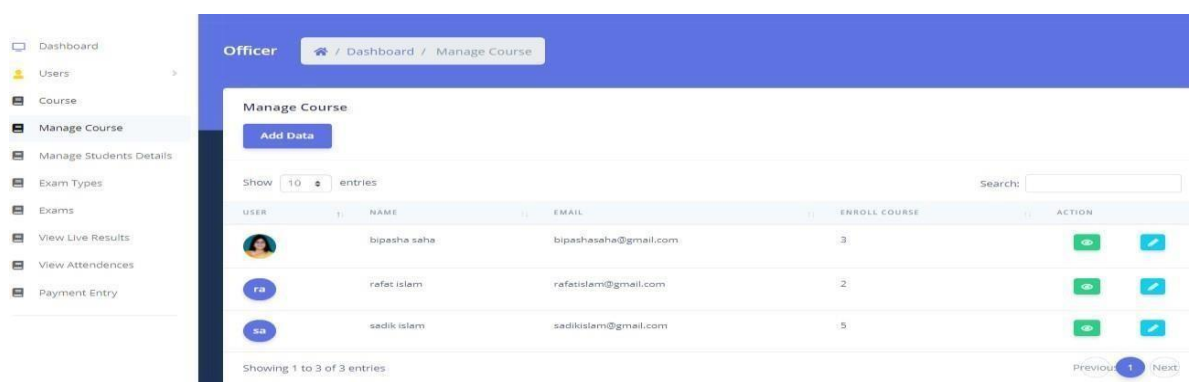
Course Fee							
Add Data							
Show 10 entries							
USER	EMAIL	COURSE	TRANSACTION	PAYMENT	MONTH	ACTION	
 bipasha saha	bipashasaha@gmail.com	botany	po73748@@\$%	15000 / 15000	Sep 2021		
 bipasha saha	bipashasaha@gmail.com	english	1838jng9y	2000 / 2000	Sep 2021		
 bipasha saha	bipashasaha@gmail.com	math	jua7ugt7	3000 / 3000	Sep 2021		
 Eliza Mertz	jamey71@example.com	Physics	fsdf	100 / 100	Sep 2021		

7.8.6 Testing Case No-06 (Module Testing)

Test case ID.06	Modules: Registered Course.
Priority of Test: High	Test Date: 7.9.2021
Title: Registered Course (officer, students)	Test executed by: Sadia Afrin Mow
Description:	Test executed date: 7.9.2021
Pre-condition	User will Successfully use this module.
Testing-Steps	Student will take courses with their package requirement by click on course register Officer will take courses with their package requirement by click on course register
Test-Data	Successfully use this module.

Expected-Result	Successfully use this module.
Result	Successfully use this module.
Test-Status (Fail/Pass)	Pass.
Test Post-Condition	Successfully pass the Criteria.

Table 7.8.6: Testing-Case- Registered Course (officer, students)



Officer / Dashboard / Manage Course

Manage Course

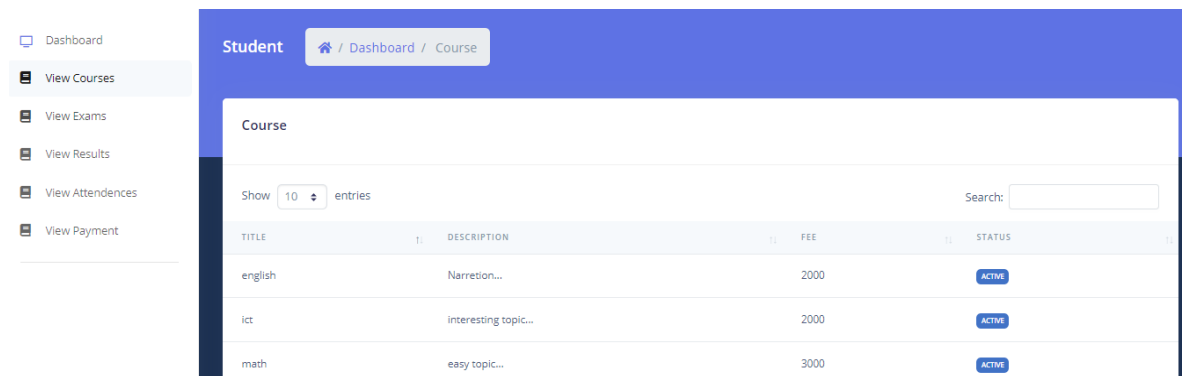
Add Data

Show 10 entries

USER	NAME	EMAIL	ENROLL COURSE	ACTION
	bipasha saha	bipashasaha@gmail.com	3	
	refat islam	rafatislam@gmail.com	2	
	sadik islam	sadikislam@gmail.com	5	

Showing 1 to 3 of 3 entries

Previous 1 Next



Student / Dashboard / Course

Course

Show 10 entries

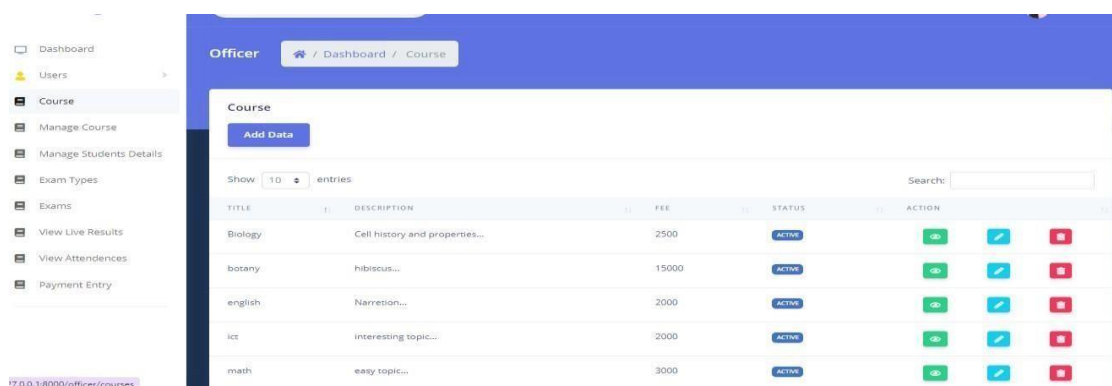
TITLE	DESCRIPTION	FEE	STATUS
english	Narretion...	2000	ACTIVE
ict	interesting topic...	2000	ACTIVE
math	easy topic...	3000	ACTIVE

7.8.7 Testing Case No-07 (Module Testing)

Test case ID.07	Modules: Course.
Priority of Test: High	Test Date: 8.9.2021
Title: Course(officer)	Test executed by: Sadia Afrin Mow
Description:	Test executed date: 8.9.2021

Pre-condition	User will Successfully use this module.
Testing-Steps	1. Officer can view all of the courses here by click on view course
Test-Data	Successfully use this module.
Expected-Result	Successfully use this module.
Result	Successfully use this module.
Test Status (Fail/Pass)	Pass.
Test Post-Condition	Successfully pass the Criteria.

Table 7.8.7: Testing-Case- Course (officer)



The screenshot shows the 'Officer' dashboard for course management. On the left is a sidebar menu with options: Dashboard, Users, Course (selected), Manage Course, Manage Students Details, Exam Types, Exams, View Live Results, View Attendances, and Payment Entry. The main content area is titled 'Course' and includes an 'Add Data' button. Below this is a table with columns: TITLE, DESCRIPTION, FEE, STATUS, and ACTION. The table lists five courses: Biology, botany, english, ict, and math. Each course has a status of 'ACTIVE' and three action icons (add, edit, delete). A search bar is located at the top right of the table.

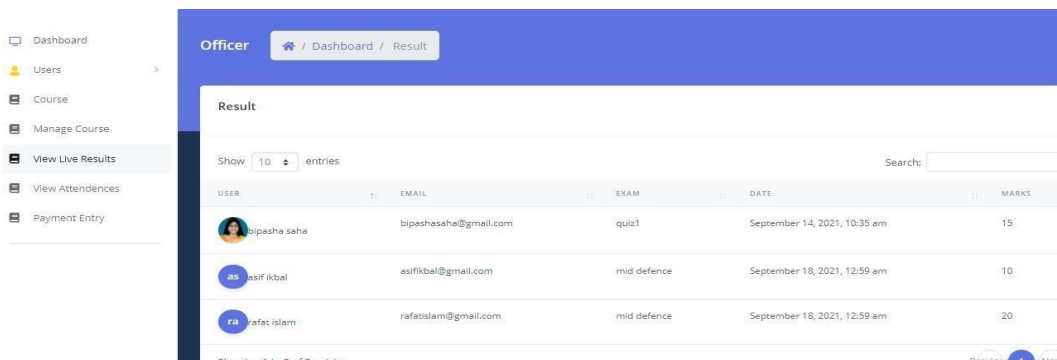
TITLE	DESCRIPTION	FEE	STATUS	ACTION
Biology	Cell history and properties...	2500	ACTIVE	[Add] [Edit] [Delete]
botany	hibiscus...	15000	ACTIVE	[Add] [Edit] [Delete]
english	Narretion...	2000	ACTIVE	[Add] [Edit] [Delete]
ict	interesting topic...	2000	ACTIVE	[Add] [Edit] [Delete]
math	easy topic...	3000	ACTIVE	[Add] [Edit] [Delete]

7.8.8 Testing Case No-08 (Module Testing)

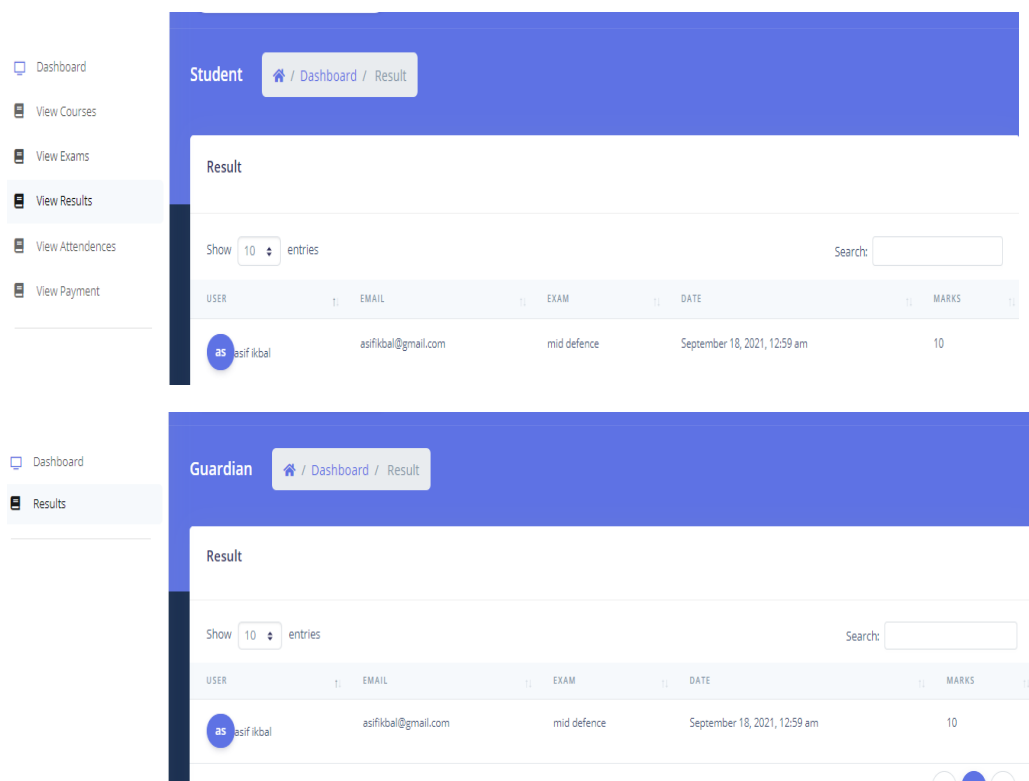
Test case ID.08	Modules: View Live Result.
Priority of Test: High	Test Date: 8.9.2021
Title: Result (officer, students)	Test executed by: Sadia Afrin Mow
Description:	Test executed date: 8.9.2021
Pre-Condition	User will Successfully use this module.

Testing-Steps	1. Student can view all of the courses here by Click on live result 2. Officer will view their result here. by Click on live result 3. Guardian can view all of the courses here by Click on live result
Test-Data	Successfully use this module.
Expected-Result	Successfully use this module.
Result	Successfully use this module.
Test Status (Fail/Pass)	Pass.
Test Post-Condition	Successfully pass the Criteria.

Table 7.8.8: Testing-Case- View Result (officer, students, guardian)



USER	EMAIL	EXAM	DATE	MARKS
 bipasha saha	bipashasaha@gmail.com	quiz1	September 14, 2021, 10:35 am	15
 asif ikbal	asifikbal@gmail.com	mid defence	September 18, 2021, 12:59 am	10
 rafat islam	rafatislam@gmail.com	mid defence	September 18, 2021, 12:59 am	20

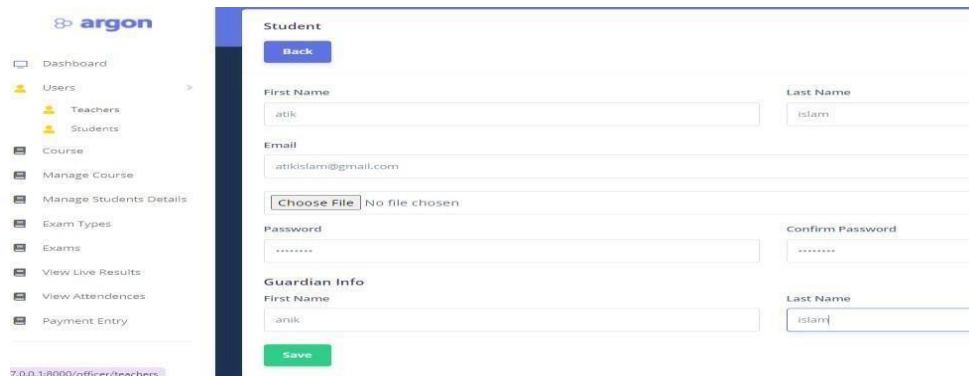


7.8.9 Testing Case No-09 (Module Testing)

Test-Case ID.09	Module name: Student Register
Test Priority: High	Test Date: 8.9.2021
Test Title: Student Register(officer)	Test executed by: Sadia Afrin Mow
Description:	Test executed date: 8.9.2021
Pre-Condition	User will Successfully use this module.
Test-Steps	1. When a student will come to the office for the registration, by clicking here an officer can register him/her
Test-Data	Successfully use this module.
Expected-Results	Successfully use this module.
Actual-Result	Successfully use this module.
Status (Pass/Fail)	Pass.

Test Post-Condition
Successfully pass the Criteria.

Table 7.8.9: Testing-Case- Student Register (officer)



The screenshot shows the 'Student' registration form in the 'argon' system. On the left is a sidebar menu with options like Dashboard, Users, Teachers, Students, Course, Manage Course, Manage Students Details, Exam Types, Exams, View Live Results, View Attendances, and Payment Entry. The main form has a 'Back' button at the top. Fields include: First Name (atik), Last Name (islam), Email (atikislam@gmail.com), a file upload section with 'Choose File' and 'No file chosen', Password, Confirm Password, and Guardian Info (First Name: anik, Last Name: islam). A green 'Save' button is at the bottom.

7.8.10 Testing Case No-10 (Module Testing)

Test-Case ID.10	Module name: Take Attendance
Test Priority: High	Test Date: 8.9.2021
Test Title: Take Attendance (officer, teacher)	Test executed by: Sadia Afrin Mow
Description:	Test executed date: 8.9.2021
Pre-Condition	User will Successfully use this module.
Test-Steps	The teacher will take the student's attendance by click on attendance.
Test-Data	Successfully use this module.
Expected-Results	Successfully use this module.
Actual-Result	Successfully use this module.
Status (Pass/Fail)	Pass.
Test Post-Condition	Successfully pass the Criteria.

Table 7.8.10: Testing-Case-Take Attendance (Teacher)

Dashboard
Students
Exam Types
Exams
Results
Attendances

Teacher
Dashboard / Attendance

Attendances

Course
2 . english

Date
09/14/2021 10:00 PM

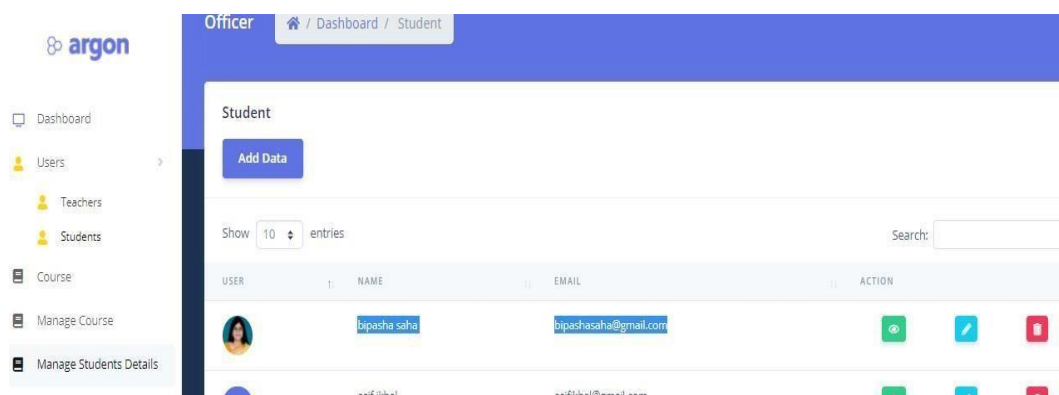
Next

☐ CHECK ALL	SL	NAME	EMAIL
☒	1	sadik islam	sadikislam@gmail.com
☒	2	bipasha saha	bipashasaha@gmail.com

7.8.11 Testing Case No-11 (Module Testing)

Test-Case ID.11	Module name: Manage Student
Test Priority: High	Test Date: 8.9.2021
Test Title: Manage Student(officer)	Test executed by: Sadia Afrin Mow
Description:	Test executed date: 8.9.2021
Pre-Condition	User will Successfully use this module.
Test-Steps	➤ By clicking on manage student officer can add a student, delete and update student information
Test-Data	Successfully use this module.
Expected-Results	Successfully use this module.
Actual-Result	Successfully use this module.
Status (Pass/Fail)	Pass.
Test Post-Condition	Successfully pass the Criteria.

Table 7.8.11: Testing-Case- Manage Student (officer)



7.8.12 Testing Case No-12 (Module Testing)

Test-Case ID.12	Module name: Result Entry
Test Priority: High	Test Date: 9.9.2021
Test Title: Result Entry (officer, teacher)	Test executed by: Sadia Afrin Mow
Description:	Test executed date: 9.9.2021
Pre-Condition	User will Successfully use this module.
Test-Steps	➤ Input result, for checking issues, admin can view all of the student's result by click on result entry. ➤ Teachers will entry the marks here
Test-Data	Successfully use this module.
Expected-Results	Successfully use this module.
Actual-Result	Successfully use this module.
Status (Pass/Fail)	Pass.
Test Post-Condition	Successfully pass the Criteria.

Table 7.8.12: Testing-Case- Entry Result (teacher)

Dashboard

Students

Exam Types

Exams

Results

Attendances

Teacher

Dashboard

Result

Result

Add Data

Show10entries

Search:

USER	EMAIL	EXAM	DATE	MARKS	ACTION
bipasha saha	bipashasaha@gmail.com	quiz1	September 14, 2021, 10:35 am	15	
asif ikbal	asifikbal@gmail.com	mid defence	September 18, 2021, 12:59 am	10	
rafat islam	rafatislam@gmail.com	mid defence	September 18, 2021, 12:59 am	20	

7.8.13 Testing Case No-13 (Module Testing)

Test-Case ID.13	Module name: View Course
Test Priority: High	Test Date: 10.9.2021
Test Title: View Course (student, officer)	Test executed by: Sadia Afrin Mow
Description:	Test executed date: 10.9.2021
Pre-Condition	User will Successfully use this module.
Test-Steps	➤ Student can view all of the courses here by click on view course ➤ Officer can view all of the courses here by click on view course
Test-Data	Successfully use this module.
Expected-Results	Successfully use this module.
Actual-Result	Successfully use this module.
Status (Pass/Fail)	Pass.
Test Post-Condition	Successfully pass the Criteria.

Table 7.8.13: Testing-Case- View course (officer, student)

argon

Dashboard

- View Courses
- View Exams
- View Results
- View Attendances
- View Payment

Student / Dashboard / Course

Course

Show 10 entries

Search:

TITLE	DESCRIPTION	FEE	STATUS
botany	hibiscus...	15000	ACTIVE
english	Narretion...	2000	ACTIVE
math	easy topic...	3000	ACTIVE

Dashboard

- Users
- Course
- Manage Course
- View Live Results
- View Attendances
- Payment Entry

Officer / Dashboard / Course

Course

Add Data

Show 10 entries

Search:

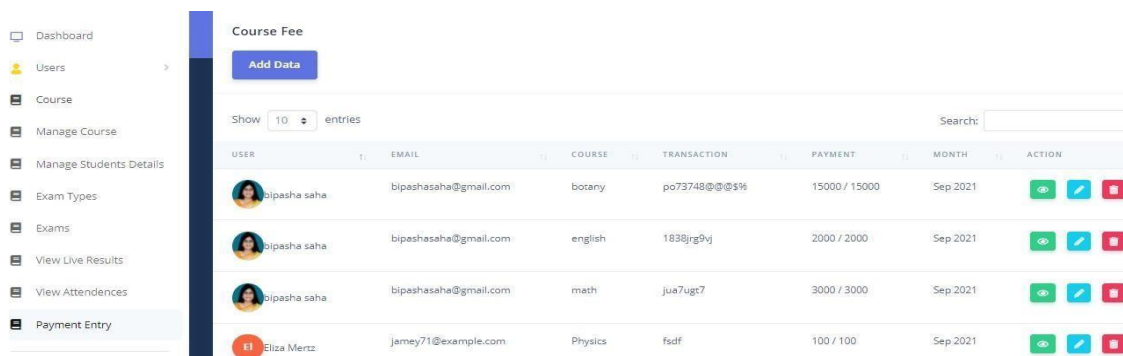
TITLE	DESCRIPTION	FEE	STATUS	ACTION
bangla	mother tough...	100	ACTIVE	  
Biology	Cell history and properties...	2500	ACTIVE	  
botany	fgnbh...	1500	ACTIVE	  
english	Narretion...	2000	ACTIVE	  

7.8.14 Testing Case No-14 (Module Testing)

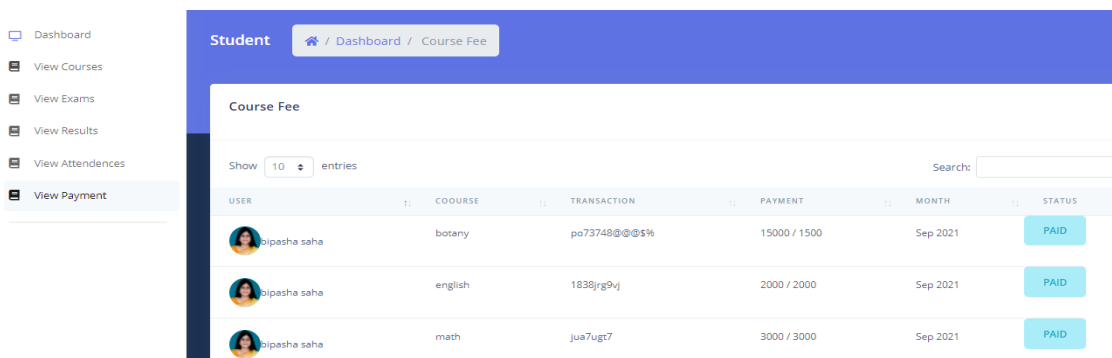
Test-Case ID.14	Module name: Payment Ledger
Test Priority: High	Test Date: 10.9.2021
Test Title: Payment Details (student, guardian)	Test executed by: Sadia Afrin Mow
Description:	Test executed date: 10.9.2021
Pre-Condition	User will Successfully use this module.
Test-Steps	➤ Student can check that how much they have to payment by click on payment ledger. ➤ Officer can view
Test-Data	Successfully use this module.

Expected-Results	Successfully use this module.
Actual-Result	Successfully use this module.
Status (Pass/Fail)	Pass.
Test Post-Condition	Successfully pass the Criteria.

Table 7.8.14: Testing-Case- Payment Ledger (student, officer)



USER	EMAIL	COURSE	TRANSACTION	PAYMENT	MONTH	ACTION
bipasha saha	bipashasaha@gmail.com	botany	po73748@@@%	15000 / 15000	Sep 2021	[View] [Edit] [Delete]
bipasha saha	bipashasaha@gmail.com	english	1838jrg9vj	2000 / 2000	Sep 2021	[View] [Edit] [Delete]
bipasha saha	bipashasaha@gmail.com	math	jua7ugt7	3000 / 3000	Sep 2021	[View] [Edit] [Delete]
Eliza Mertz	jamey71@example.com	Physics	fsdf	100 / 100	Sep 2021	[View] [Edit] [Delete]



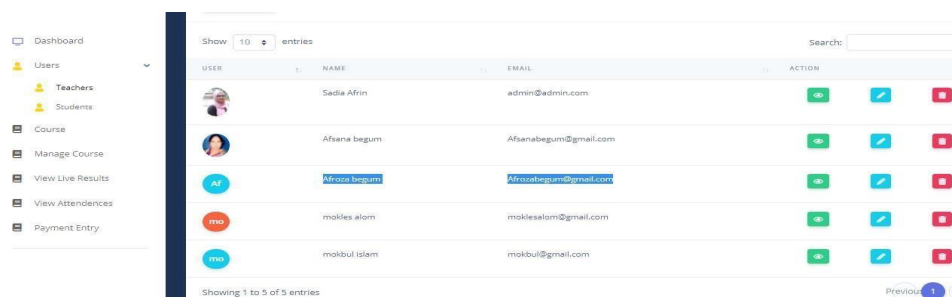
USER	COURSE	TRANSACTION	PAYMENT	MONTH	STATUS
bipasha saha	botany	po73748@@@%	15000 / 1500	Sep 2021	PAID
bipasha saha	english	1838jrg9vj	2000 / 2000	Sep 2021	PAID
bipasha saha	math	jua7ugt7	3000 / 3000	Sep 2021	PAID

7.8.15 Testing Case No-15 (Module Testing)

Test-Case ID.15	Module name: Teacher Details (manage)
Test Priority: High	Test Date: 15.9.2021
Test Title: Manage Student(officer)	Test executed by: Sadia Afrin Mow
Description:	Test executed date: 15.9.2021
Pre-Condition	User will Successfully use this module.

Test-Steps	➤ By clicking on manage Teacher officer can manage teacher information
Test-Data	Successfully use this module.
Expected-Results	Successfully use this module.
Actual-Result	Successfully use this module.
Status (Pass/Fail)	Pass.
Test Post-Condition	Successfully pass the Criteria.

Table 7.8.15: Testing-Case- Teacher Details (officer)



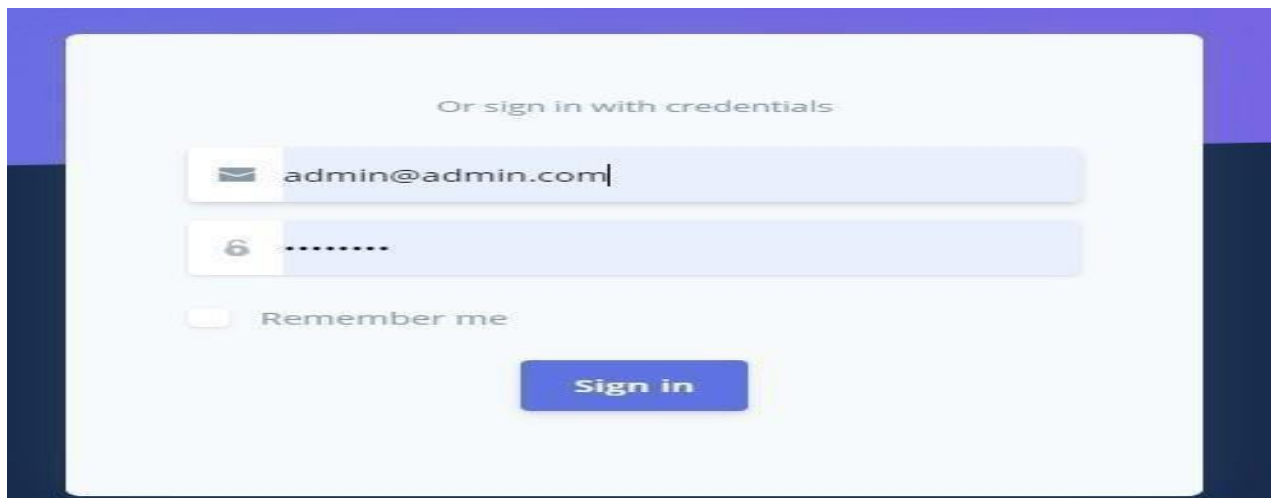
The screenshot shows a web application interface for managing teachers. On the left is a sidebar menu with options: Dashboard, Users, Teachers, Students, Course, Manage Course, View Live Results, View Attendances, and Payment Entry. The main content area displays a table of teachers with columns for USER, NAME, EMAIL, and ACTION. The table contains 5 entries. At the bottom, it says 'Showing 1 to 5 of 5 entries' and 'Previous 1 2'.

USER	NAME	EMAIL	ACTION
	Sadia Afrin	admin@admin.com	
	Afiana begum	Afianabegum@gmail.com	
	Afraca begum	Afracabegum@gmail.com	
	mokles alom	moklesalom@gmail.com	
	mokbul islam	mokbul@gmail.com	

CHAPTER-08

USER INTERFACE

8.1 Login (officer, teacher, student, guardian)

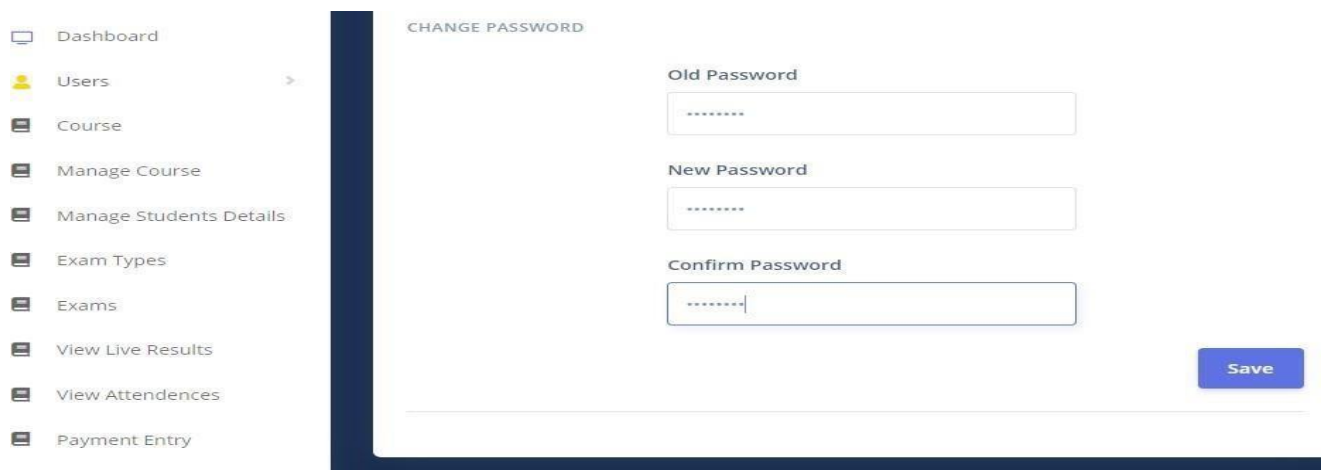


Or sign in with credentials

Remember me

Figure: 8.1 Login (officer, teacher, student, guardian)

8.2 Change password (officer, teacher, student, guardian)



Dashboard

Users

Course

Manage Course

Manage Students Details

Exam Types

Exams

View Live Results

View Attendances

Payment Entry

CHANGE PASSWORD

Old Password

.....

New Password

.....

Confirm Password

.....

Figure: 8.2 Change passwords (officer, teacher, student, guardian)

8.3 View Attendance (officer, students)

Dashboard
View Courses
View Exams
View Results
View Attendances
View Payment

Student

Dashboard / Attendance

PRESENT	SL	NAME	COURSE	DATE
☒	1	rafat islam	Physics	September 13, 2021, 12:54 am
☒	2	rafat islam	botany	September 14, 2021, 10:00 pm
☐	3	rafat islam	botany	September 13, 2021, 9:21 am
☒	4	rafat islam	botany	September 14, 2021, 12:00 pm

argon
Dashboard
Users
Course
Manage Course
View Live Results
View Attendances
Payment Entry

Officer

Dashboard / Attendance

Attendances

Course: 1. math

Date: 09/15/2021 11:09 AM

Next

CHECK ALL	SL	NAME	EMAIL
☒	1	sadik islam	sadikislam@gmail.com
☒	2	bipasha saha	bipashasaha@gmail.com
☐	3	atik islam	atikislam@gmail.com

Figure: 8.3 View attendances (officer, student)

8.4 Payment Entry (officer)

Dashboard
Users
Course
Manage Course
Manage Students Details
Exam Types
Exams
View Live Results
View Attendances
Payment Entry

Course Fee

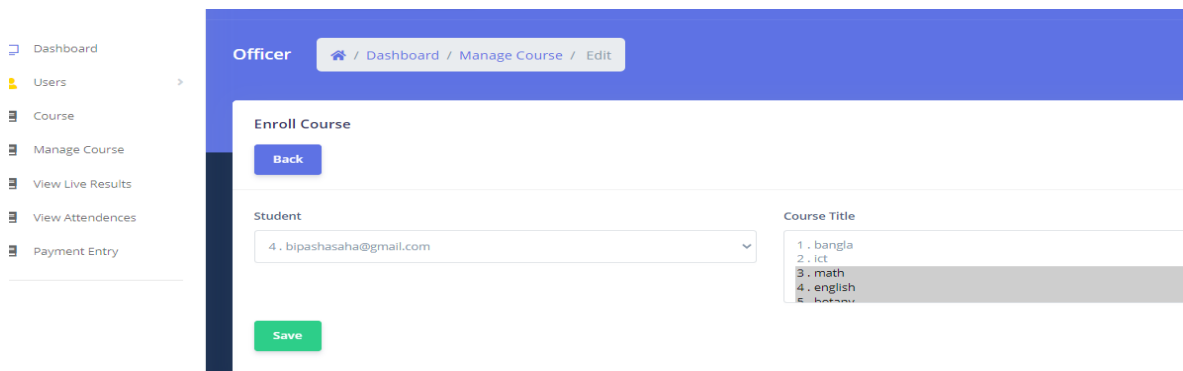
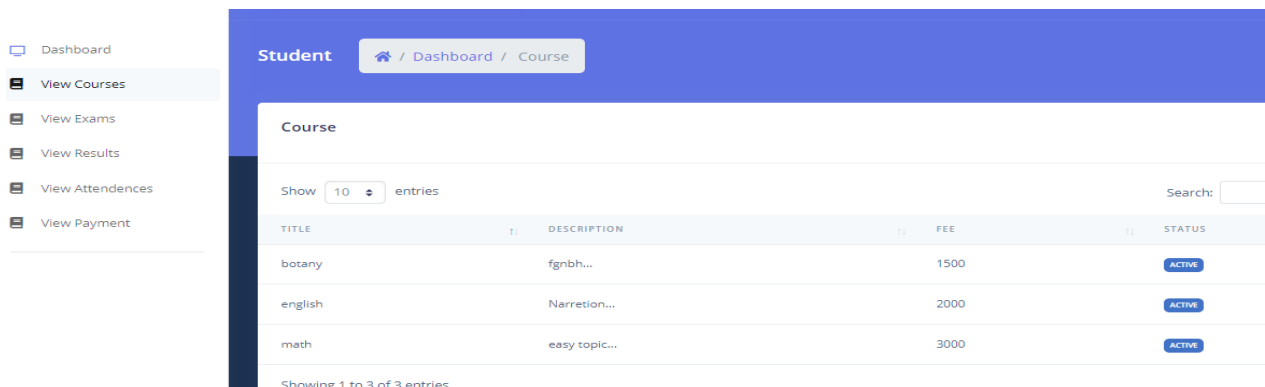
Add Data

Show 10 entries

USER	EMAIL	COURSE	TRANSACTION	PAYMENT	MONTH	ACTION
bipasha saha	bipashasaha@gmail.com	botany	po73748@@\$%	15000 / 15000	Sep 2021	
bipasha saha	bipashasaha@gmail.com	english	1838jrg9vj	2000 / 2000	Sep 2021	
bipasha saha	bipashasaha@gmail.com	math	jua7ugt7	3000 / 3000	Sep 2021	
Eliza Mertz	jamey71@example.com	Physics	fsdf	100 / 100	Sep 2021	

Figure: 8.4 Payment Entry (officer)

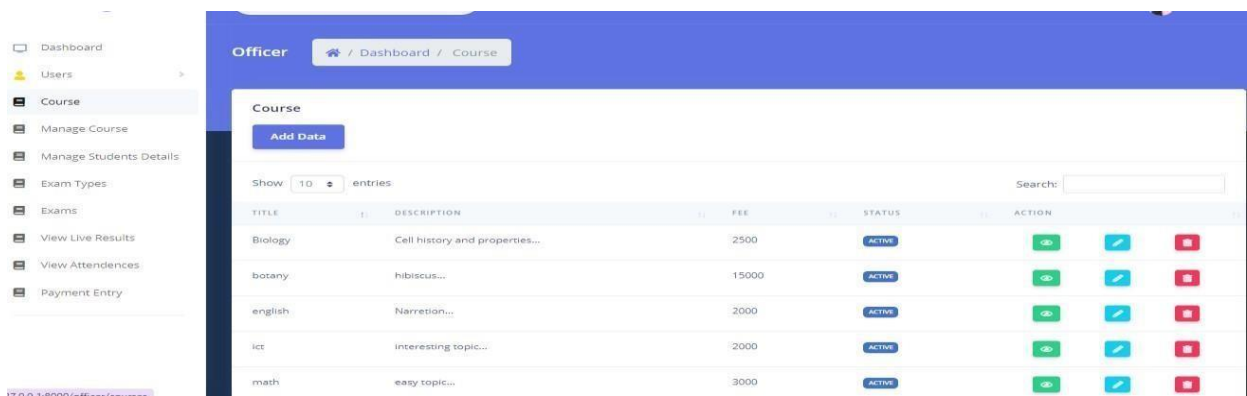
8.5 Registered Course (officer, students)

TITLE	DESCRIPTION	FEE	STATUS
botany	fgnbh...	1500	ACTIVE
english	Narretion...	2000	ACTIVE
math	easy topic...	3000	ACTIVE

Figure: 8.5 Registered Course (officer, students)

8.6 Course (officer)



TITLE	DESCRIPTION	FEE	STATUS	ACTION
Biology	Cell history and properties...	2500	ACTIVE	  
botany	hibiscus...	15000	ACTIVE	  
english	Narretion...	2000	ACTIVE	  
ict	interesting topic...	2000	ACTIVE	  
math	easy topic...	3000	ACTIVE	  

Figure: 8.6 Course (officer)

8.7 View Result (students, officer)

Student / Dashboard / Result

Result

Show 10 entries

Search:

USER	EMAIL	EXAM	DATE	MARKS
 bipasha saha	bipashasaha@gmail.com	quiz1	September 14, 2021, 10:35 am	15

Officer / Dashboard / Result

Result

Show 10 entries

Search:

USER	EMAIL	EXAM	DATE	MARKS
 bipasha saha	bipashasaha@gmail.com	quiz1	September 14, 2021, 10:35 am	15
 asif ikbal	asifikbal@gmail.com	mid defence	September 18, 2021, 12:59 am	10
 rafat islam	rafatislam@gmail.com	mid defence	September 18, 2021, 12:59 am	20

Figure: 8.7 Result (students, officer)

8.8 Student Register (officer)

Student

argon

Add Data

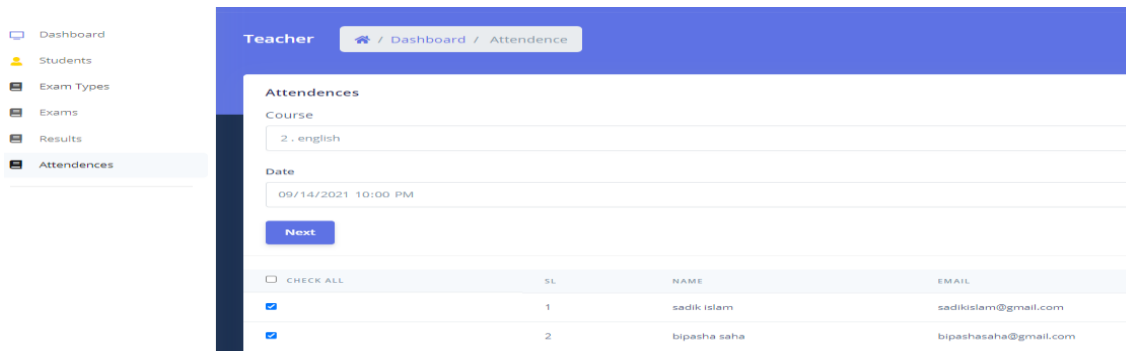
Show 10 entries

Search:

USER	NAME	EMAIL	ACTION
 bipasha saha	bipasha saha	bipashasaha@gmail.com	  
 asif ikbal	asif ikbal	asifikbal@gmail.com	  
 atik islam	atik islam	atikislam@gmail.com	  
 manik islam	manik islam	manikislam@gmail.com	  

Figure: 8.8 Student Register (officer)

8.9 Take Attendance (teacher)



Teacher / Dashboard / Attendance

Attendances

Course: 2 . english

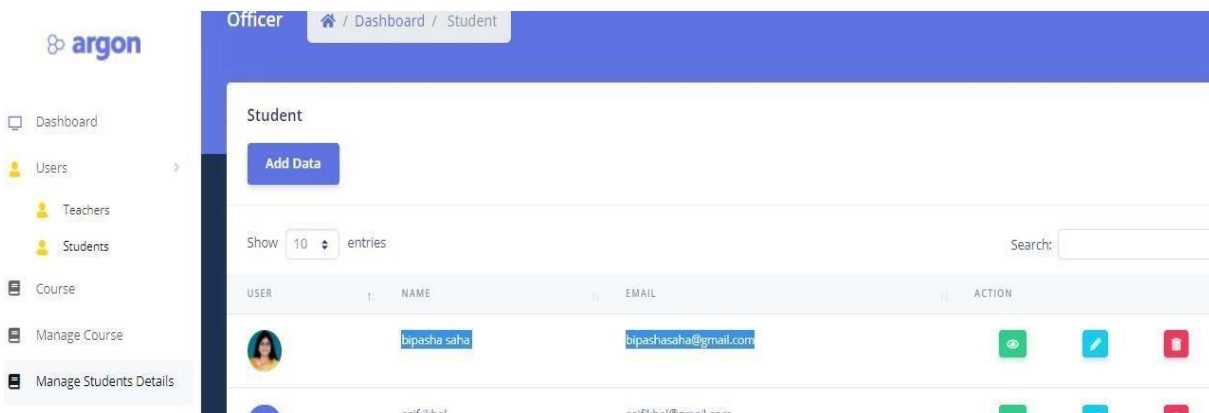
Date: 09/14/2021 10:00 PM

Next

CHECK ALL	SL	NAME	EMAIL
☒	1	sadik islam	sadikislam@gmail.com
☒	2	bipasha saha	bipashasaha@gmail.com

Figure: 8.9 Take Attendance (teacher)

8.10 Manage Student (officer)



Officer / Dashboard / Student

Student

Add Data

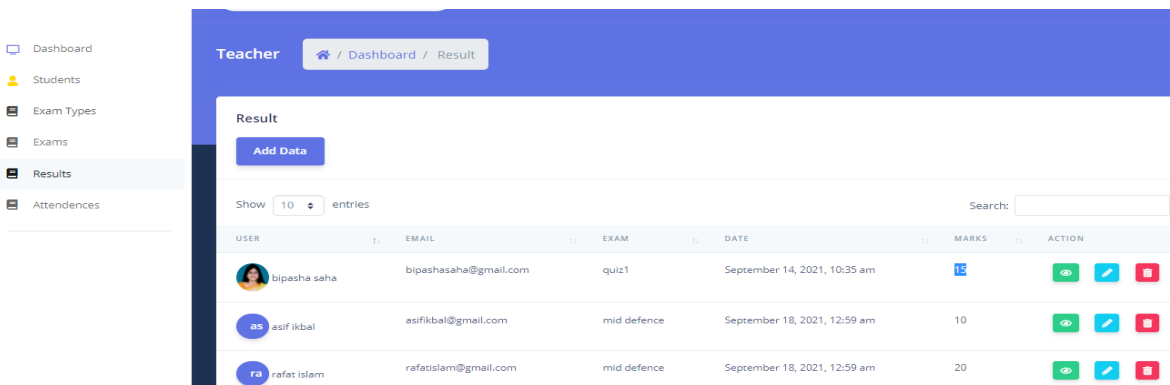
Show 10 entries

Search:

USER	NAME	EMAIL	ACTION
	bipasha saha	bipashasaha@gmail.com	  
	asif ikbal	asifikbal@gmail.com	  

Figure: 8.10 Manage Student (officer)

8.11 Result Entry (teacher)



Teacher / Dashboard / Result

Result

Add Data

Show 10 entries

Search:

USER	EMAIL	EXAM	DATE	MARKS	ACTION
	bipashasaha@gmail.com	quiz1	September 14, 2021, 10:35 am	15	  
	asifikbal@gmail.com	mid defence	September 18, 2021, 12:59 am	10	  
	rafatislam@gmail.com	mid defence	September 18, 2021, 12:59 am	20	  

Figure: 8.11 Result Entry (teacher)

8.12 View Course (student, officer)

Search

Student / Dashboard / Course

Course

Show 10 entries

Search:

TITLE	DESCRIPTION	FEE	STATUS
botany	hibiscus...	15000	ACTIVE
english	Narretion...	2000	ACTIVE
math	essy topic...	3000	ACTIVE

Officer / Dashboard / Course

Course

Add Data

Show 10 entries

Search:

TITLE	DESCRIPTION	FEE	STATUS	ACTION
bangla	mother tough...	100	ACTIVE	  
Biology	Cell history and properties...	2500	ACTIVE	  
botany	fgnbh...	1500	ACTIVE	  
english	Narretion...	2000	ACTIVE	  

Figure: 8.12 View Course (student, officer)

8.13 Payment Ledger (officer, student)

Course Fee

Add Data

Show 10 entries

Search:

USER	EMAIL	COURSE	TRANSACTION	PAYMENT	MONTH	ACTION
 bipasha saha	bipashasaha@gmail.com	botany	po73748@00\$%	15000 / 15000	Sep 2021	  
 bipasha saha	bipashasaha@gmail.com	english	1838jrg9vj	2000 / 2000	Sep 2021	  
 bipasha saha	bipashasaha@gmail.com	meth	jua7ugt7	3000 / 3000	Sep 2021	  
 Eliza Mertz	jamey71@example.com	Physics	fsdf	100 / 100	Sep 2021	  

Dashboard
View Courses
View Exams
View Results
View Attendances
View Payment

Student
Dashboard / Course Fee

Course Fee

Show 10 entries
Search:

USER	COURSE	TRANSACTION	PAYMENT	MONTH	STATUS
bipasha saha	botany	po73748@@@5%	15000 / 1500	Sep 2021	PAID
bipasha saha	english	1838jrg9vj	2000 / 2000	Sep 2021	PAID
bipasha saha	math	jua7ugt7	3000 / 3000	Sep 2021	PAID

Figure: 8.13 View Payment (officer, student)

8.14 Teacher Details (manage) (officer)

Dashboard
Users
Teachers
Students
Course
Manage Course
View Live Results
View Attendances
Payment Entry

Show 10 entries
Search:

USER	NAME	EMAIL	ACTION
	Sadia Afrin	admin@admin.com	
	Afsana begum	Afsanabegum@gmail.com	
	Afroza begum	Afrozabegum@gmail.com	
	mokles alom	moklesalom@gmail.com	
	mokbul islam	mokbul@gmail.com	

Showing 1 to 5 of 5 entries
Previous 1 Next

Figure: 8.14 Teacher details (officer)

8.15 Exam (Teacher)

Dashboard
Students
Exam Types
Exams
Results
Attendances

Teacher
Dashboard / Exam / Create

Exam
Back

Exam Type
1 - Mid

Course Title
3 - math

Marks
40

Exam Datetime
09/16/2021 10:00 AM

Save

Figure: 8.15 Exams (Teacher)

8.16 Log Out (officer, teacher, student, guardian)

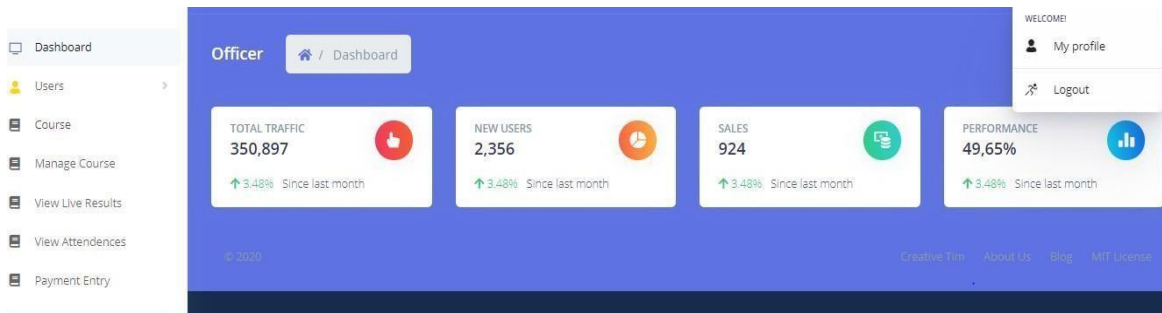


Figure: 8.14 Log Out (officer, teacher, student, guardian)

CHAPTER-09

PROJECT SUMMARY

9.1 Link (GitHub)

<https://github.com/afrin23/Coaching-Management.git>

9.2 Limitations in my project

Along the journey, I encountered various hurdles. I'm still researching the necessary technologies, but I haven't yet been able to overcome these obstacles. But, given enough time, I'm convinced that I'll be able to study advanced topics and considerably improve the code.

Mobile App:

This can be accessed with a mobile browser. It would be more appropriate if it were a mobile app. However, I am unable to create a mobile version. Because I am unfamiliar with the field of mobile app development.

9.3 Achievements & Obstacles

Since the beginning of the procedure, I've been able to discover a great deal of useful knowledge for my progress. I have no idea how to come up with a precise design concept. Then, in order to build this project, I now have a better understanding of design, database creation, and figure technique. There are a lot of serious aspects to the terminology that I used to build these works. I could grasp entire diagrams before starting my project development, and I completed it effectively, which is a significant accomplishment for me.

9.4 Scope/plan for Future.

The software being developed is of excellent quality. I'm doing everything I can to meet this stage of treatment's true demand. There is, however, still potential for improvement. I've launched the software and am currently trying to improve it.

CHAPTER-10

PROJECT REFERENCES & PLAGIARISM REPORT

10.1 References

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10.2 Plagiarism Reports

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