

CS319 Object Oriented Software Engineering

TX-D11 Software Quartet | D3

Domain, Activity, Sequence Diagrams and Mockup UI

Section 1 - Anıl Koyuncu

31/03/2024



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Seçkin Alp Kargı - 22001942

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1. Sequence Diagrams

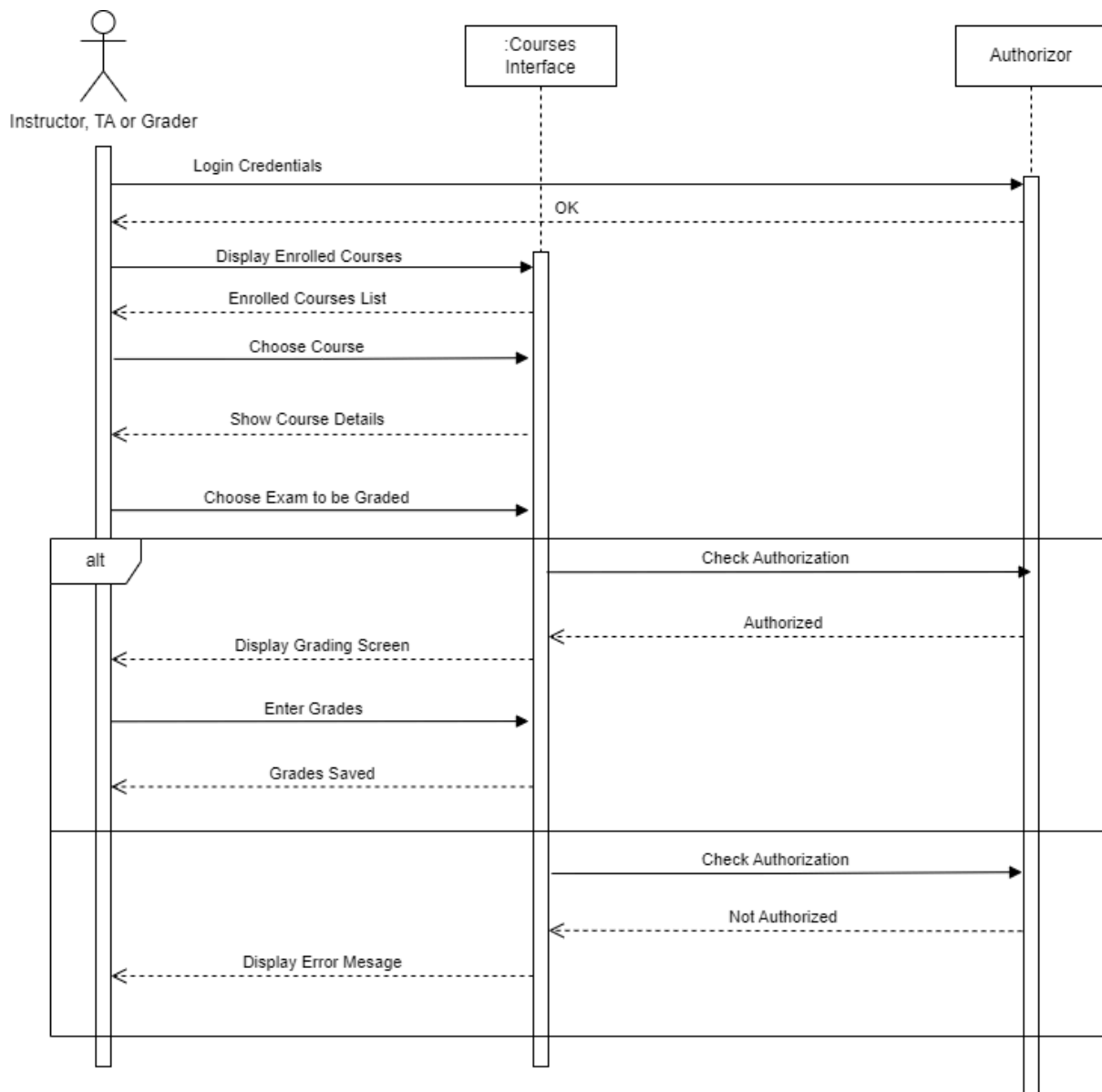


Fig. 1: Sequence Diagram for Enter Grade

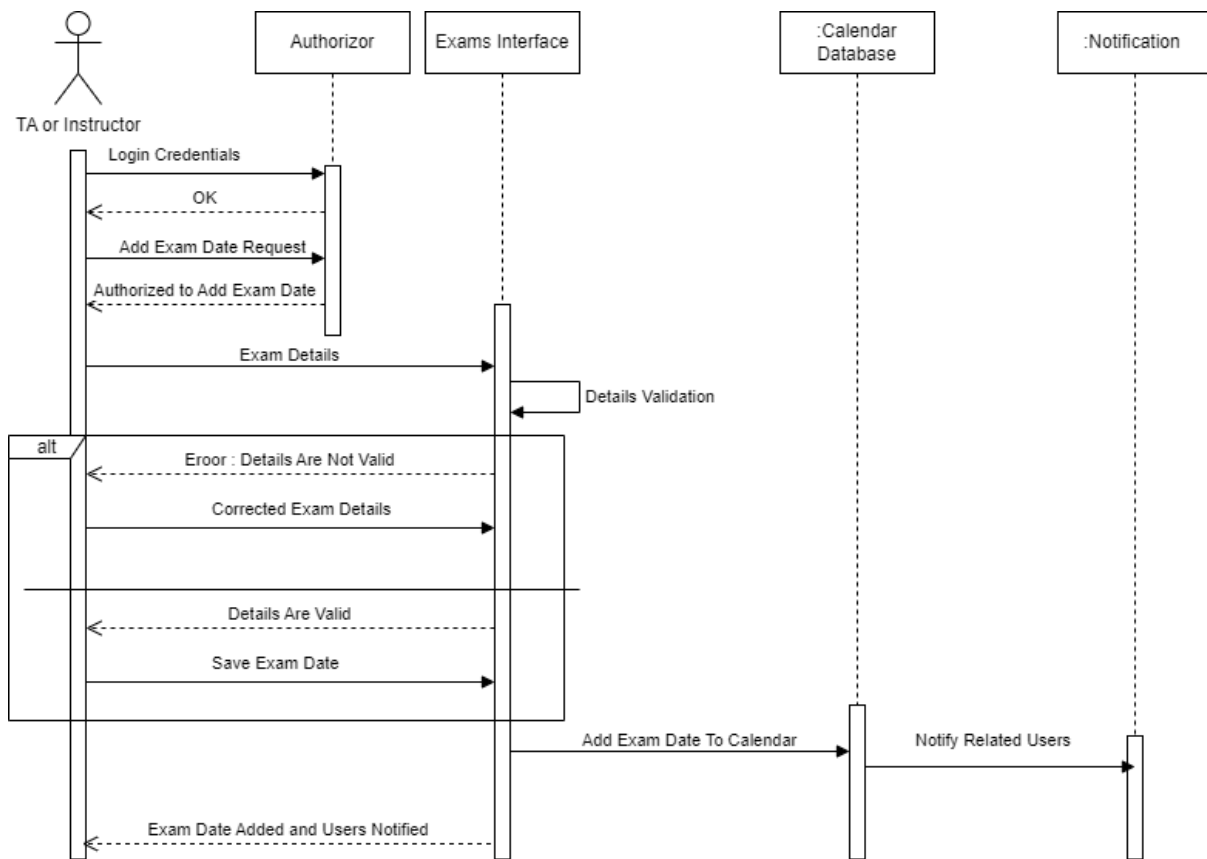


Fig 2: Sequence Diagram for Add Exam Date

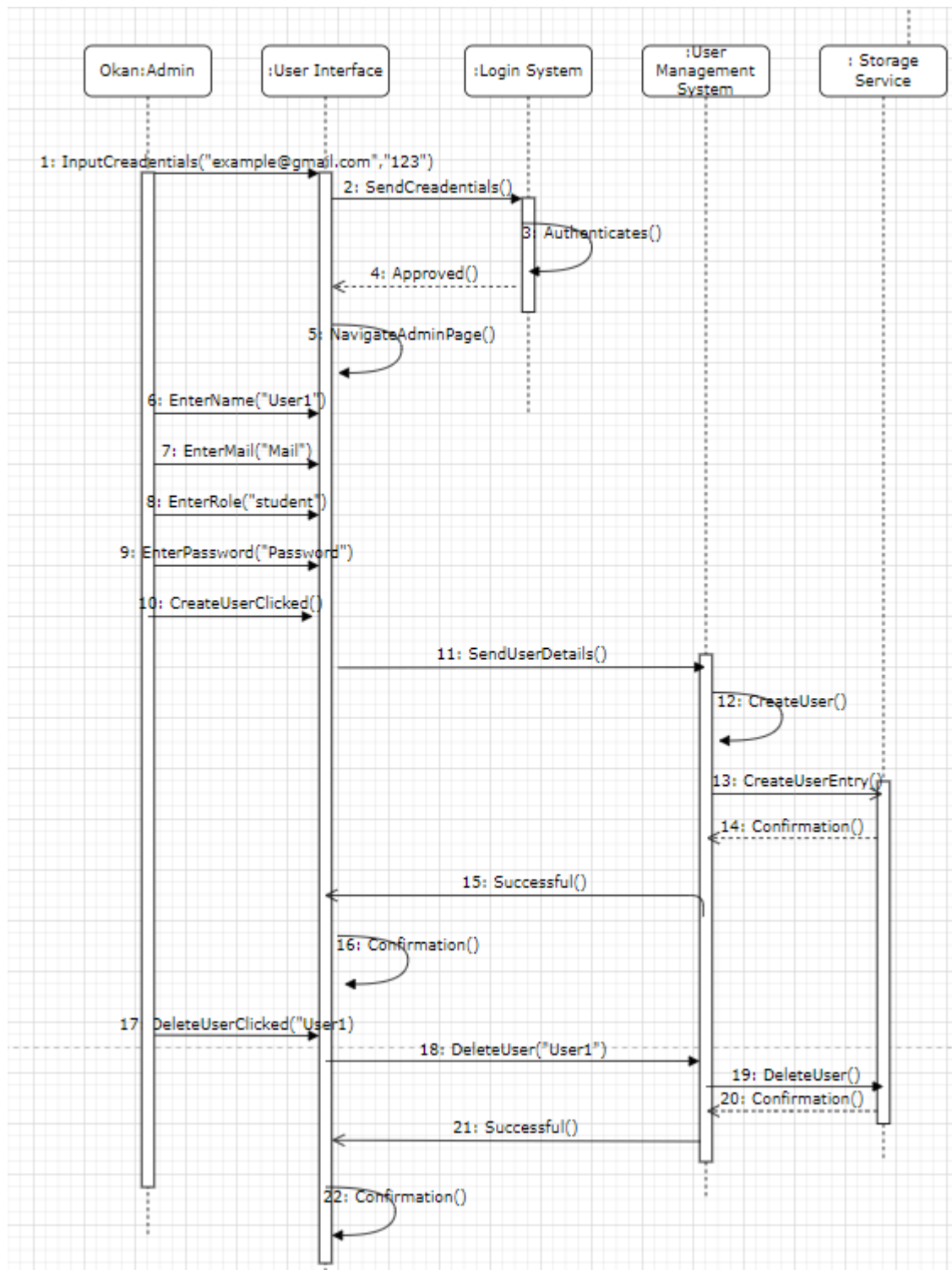


Fig. 3: Delete User Sequence Diagram

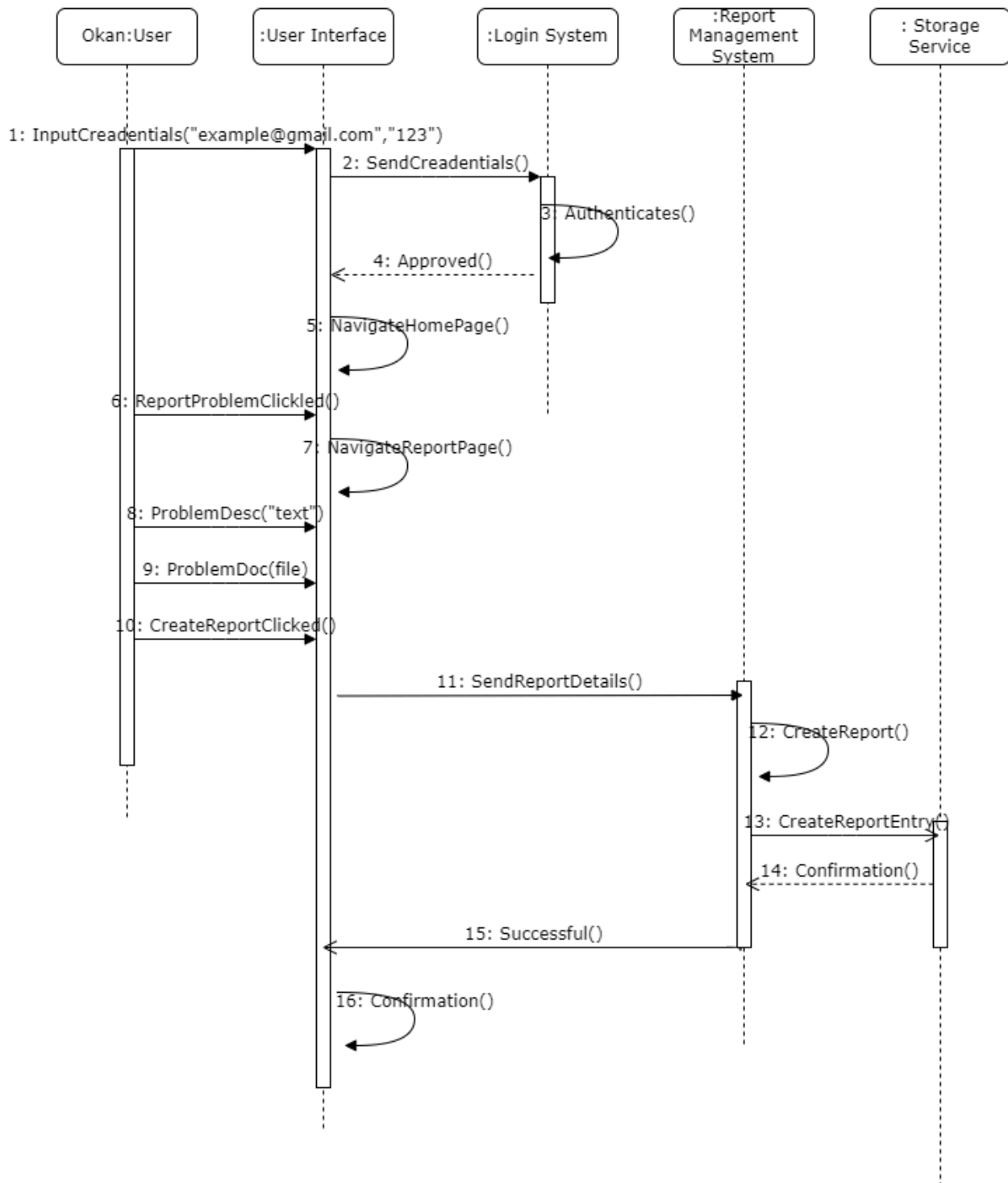


Fig. 4: Create Report Sequence Diagram

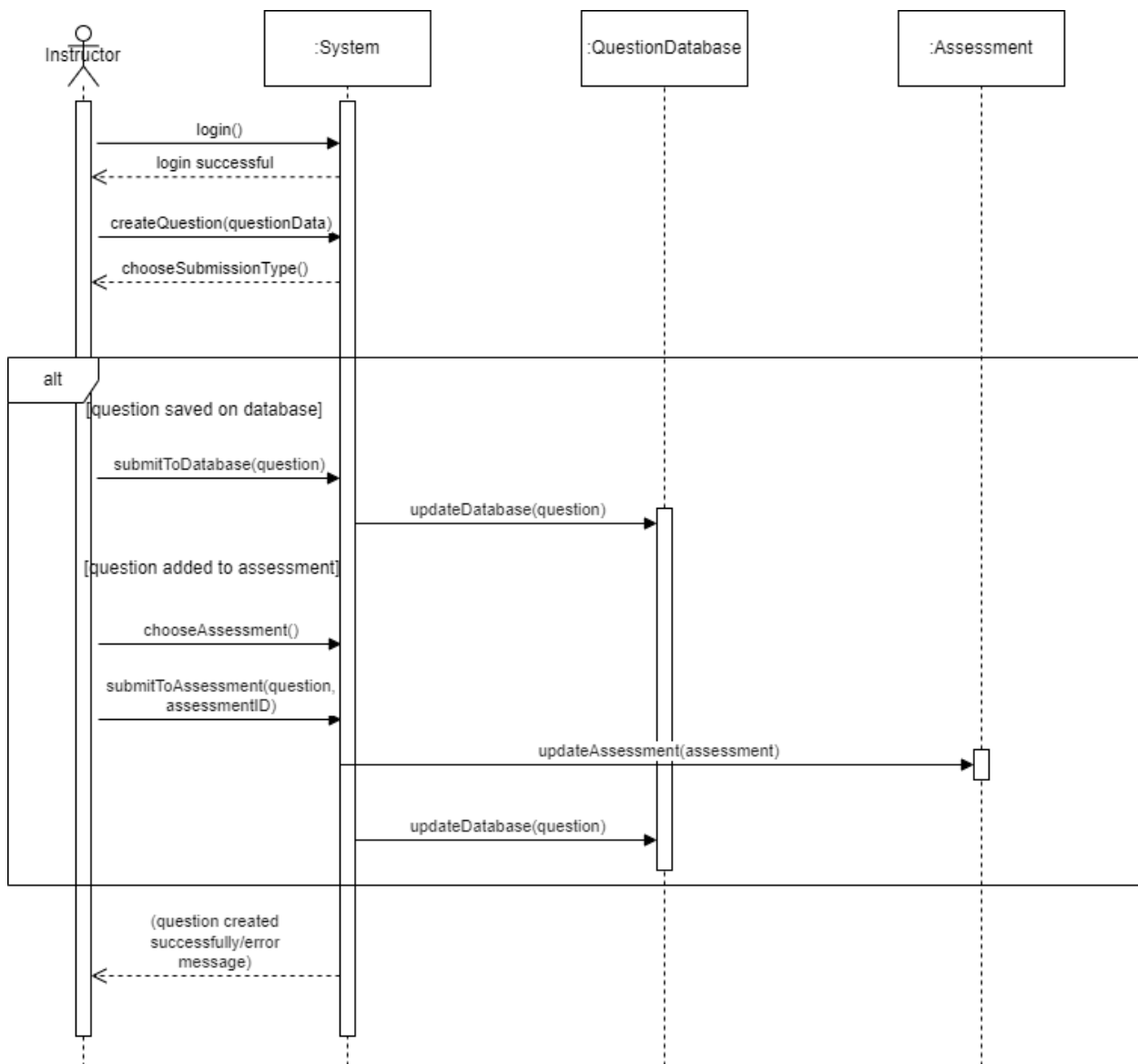


Fig. 5: Create Question Sequence Diagram

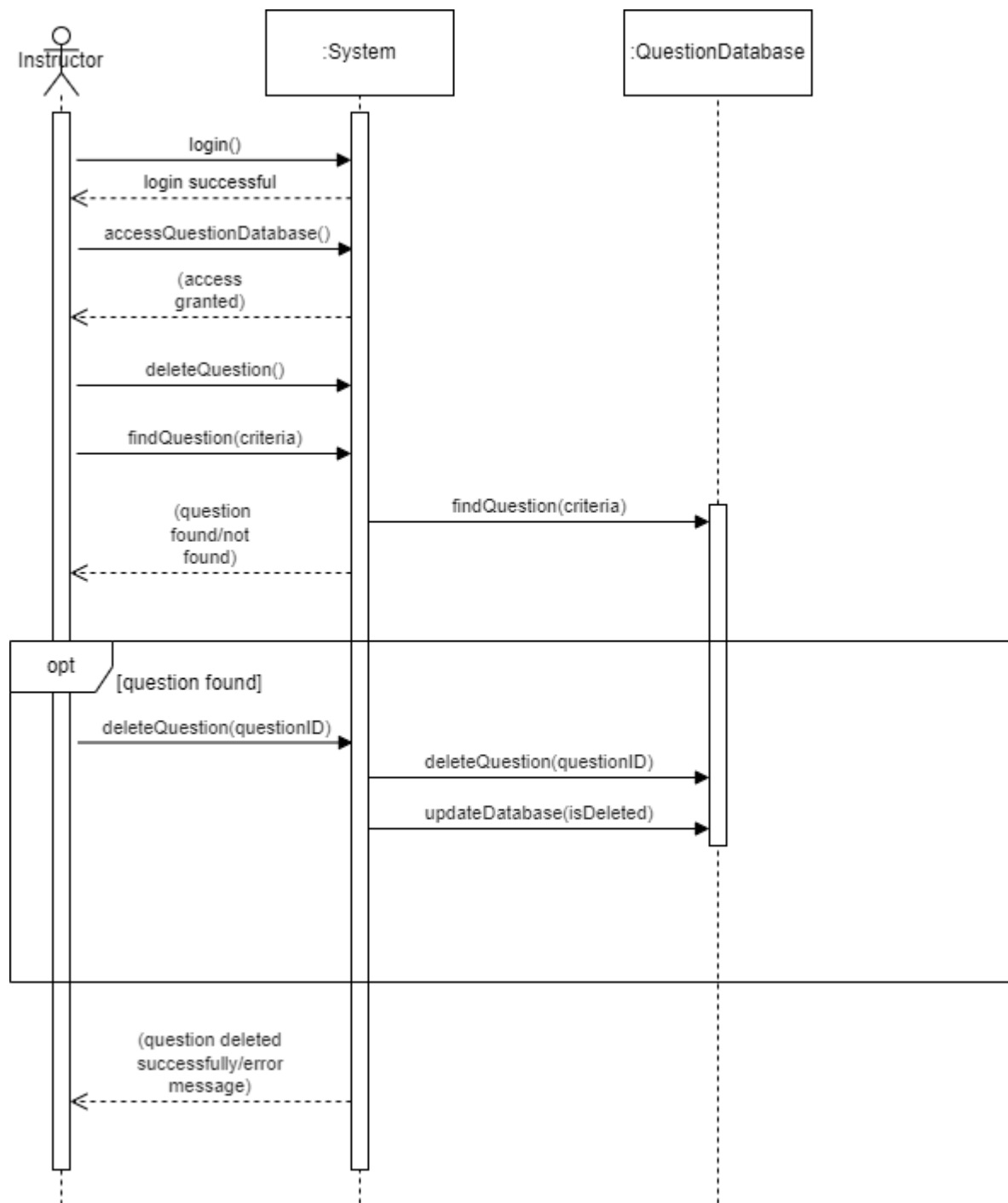


Fig. 6: Delete Question Sequence Diagram

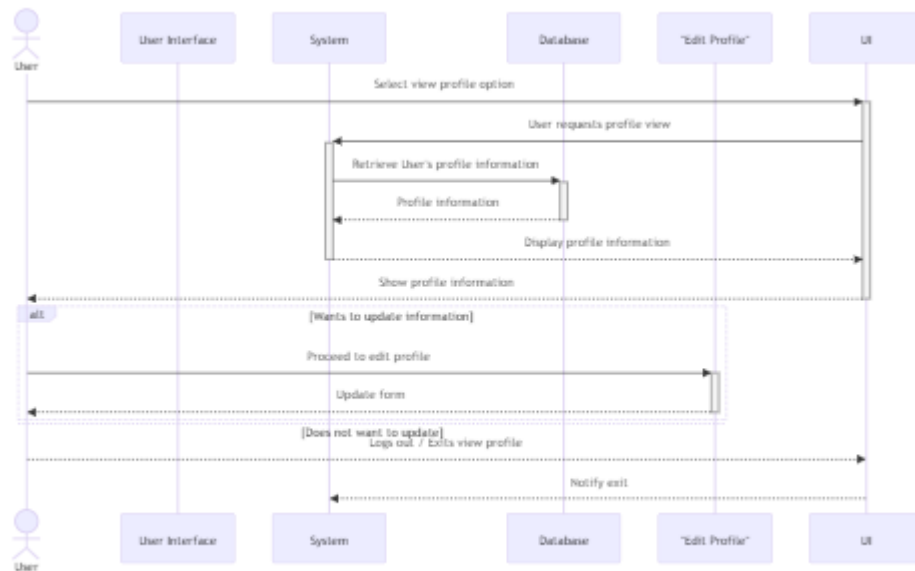


Fig 7: Show Profile Sequence Diagram

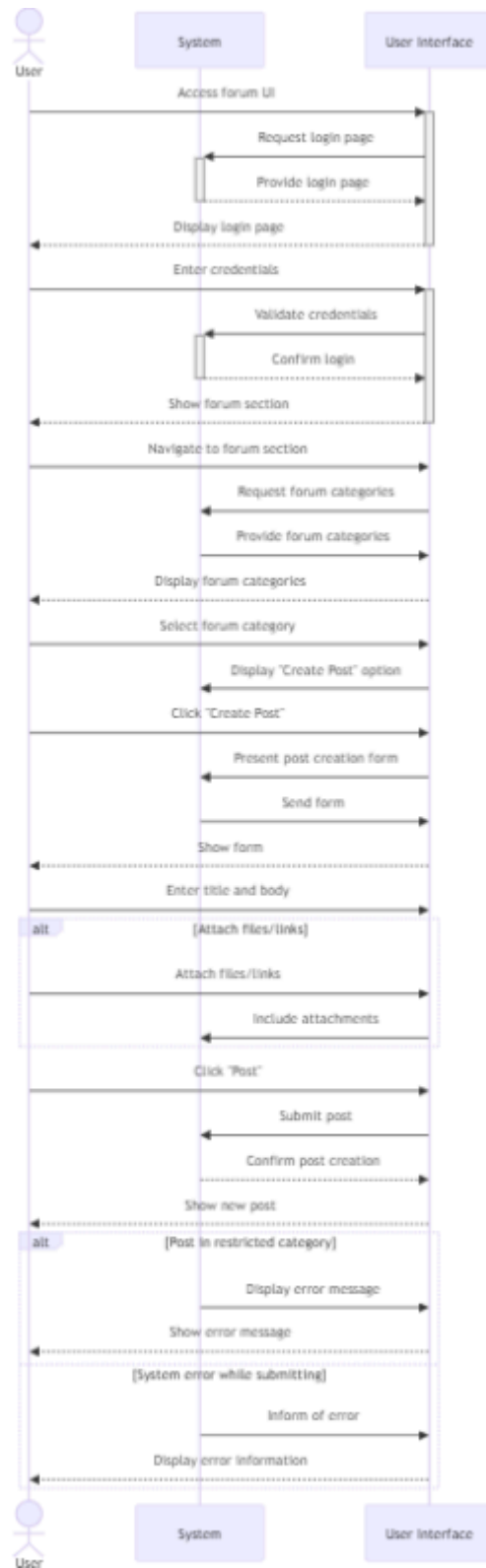


Fig 8: Create Post Sequence Diagram

2.Activity Diagrams

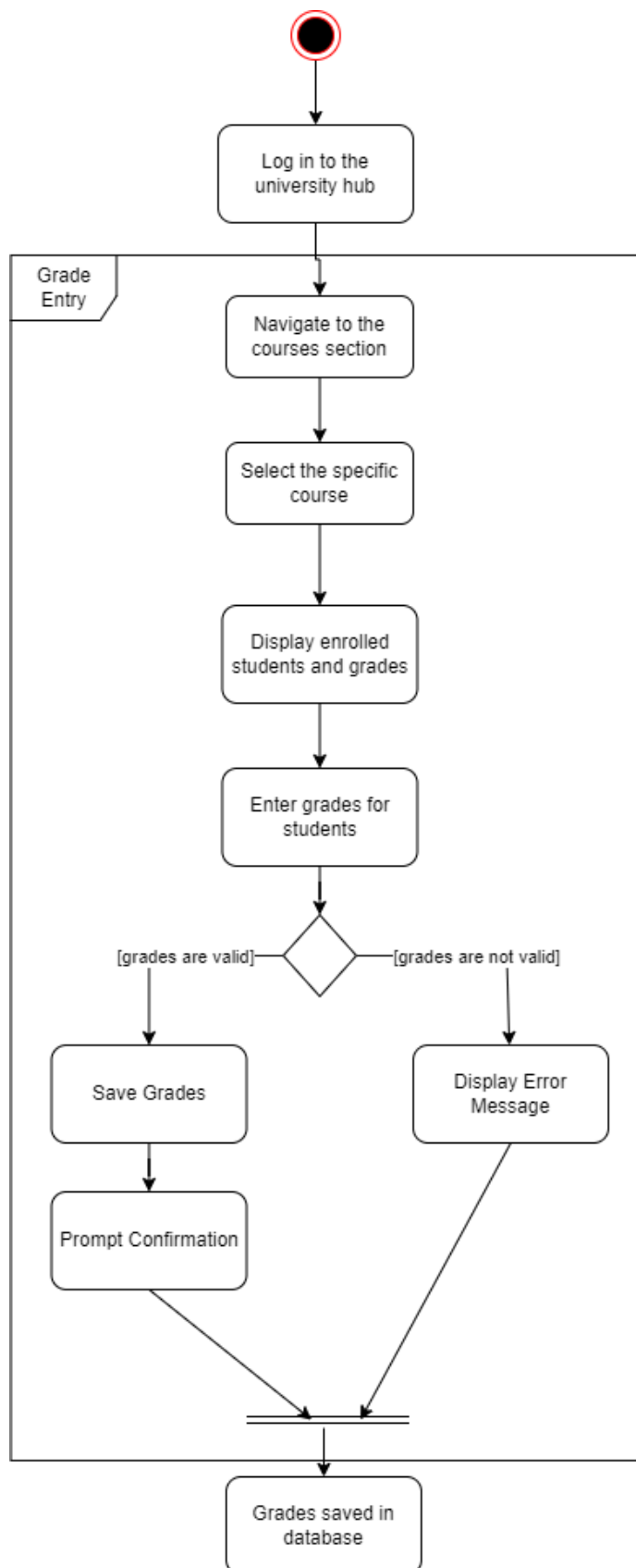


Fig. 9: Enter Grade Activity Diagram

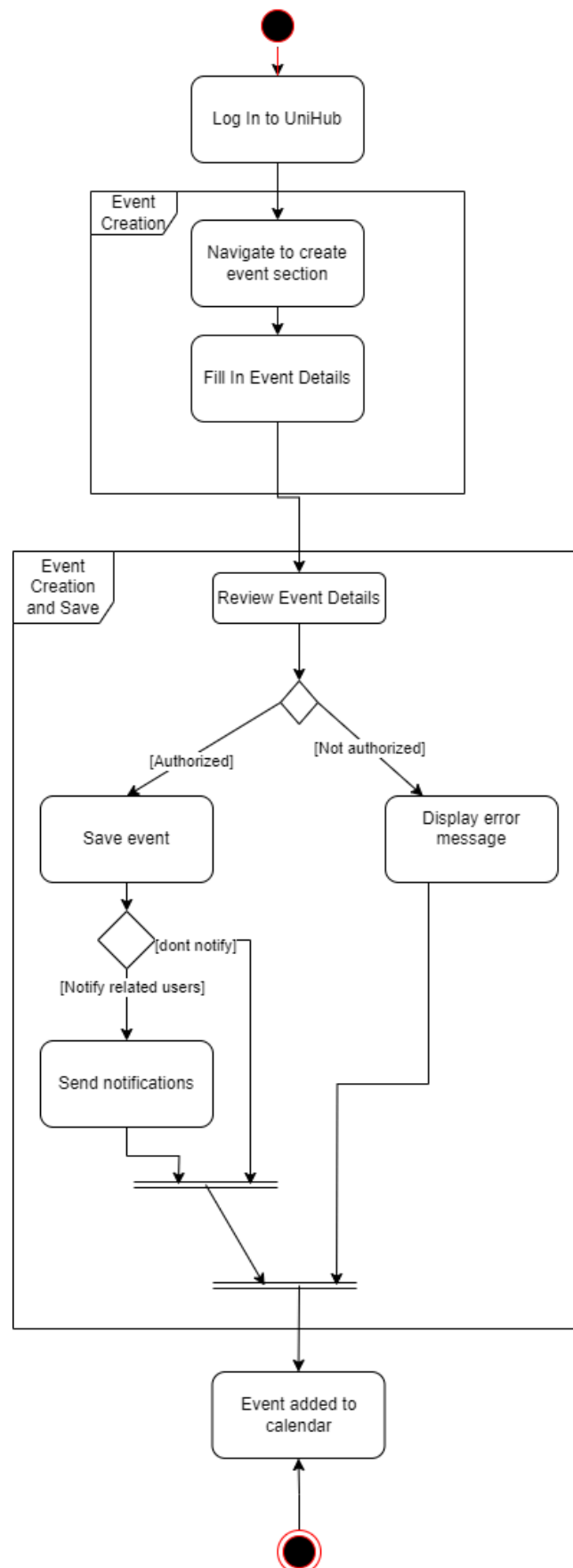


Fig. 10: Add Event Activity Diagram

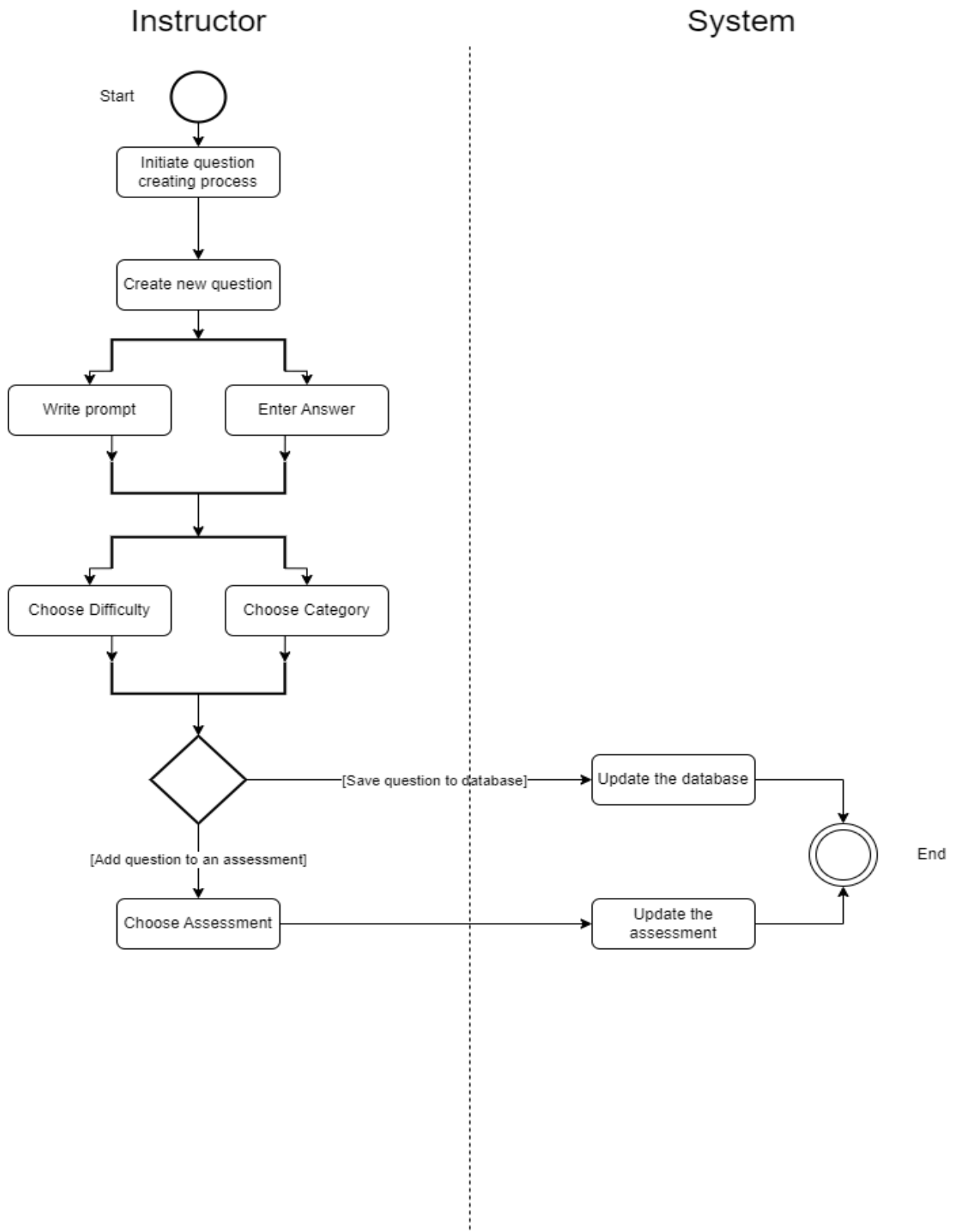


Fig 11: Create Question Activity Diagram

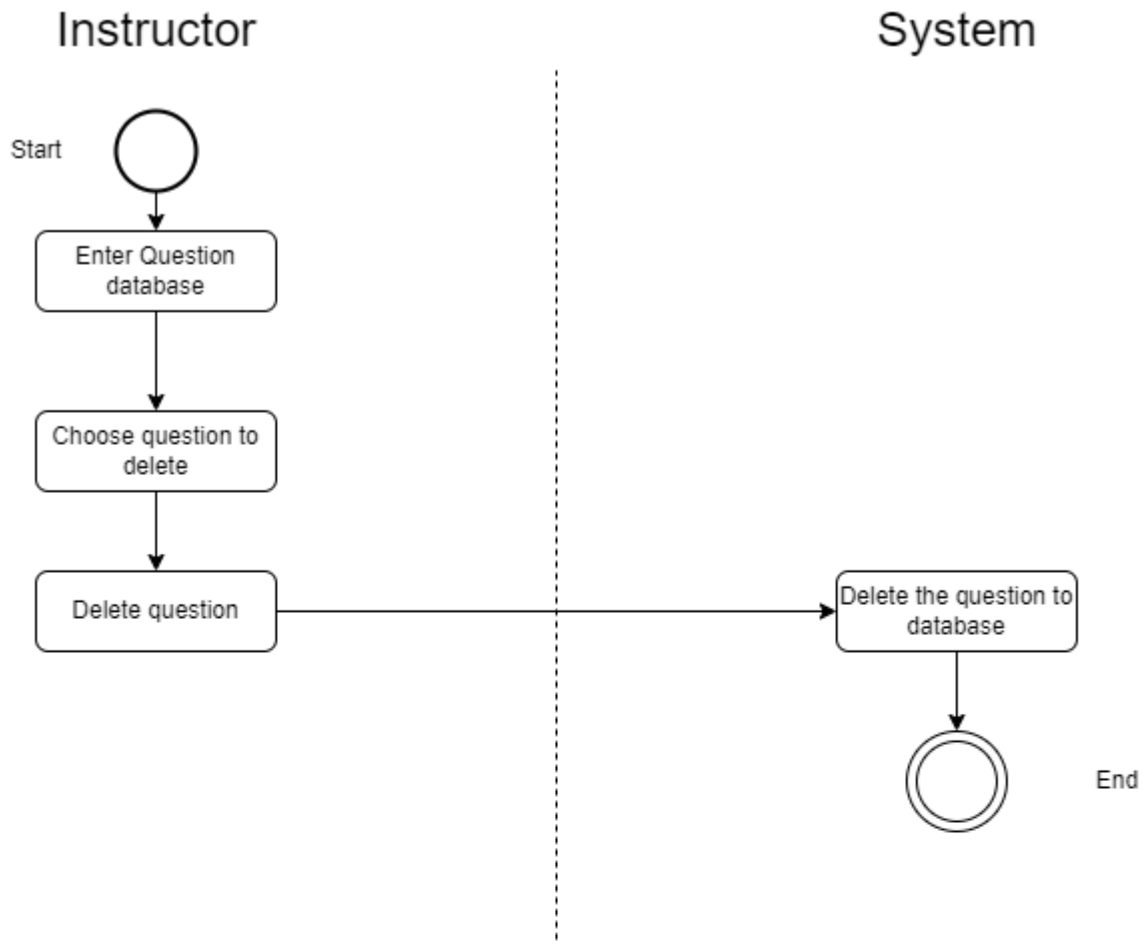


Fig. 12: Delete Question Activity Diagram

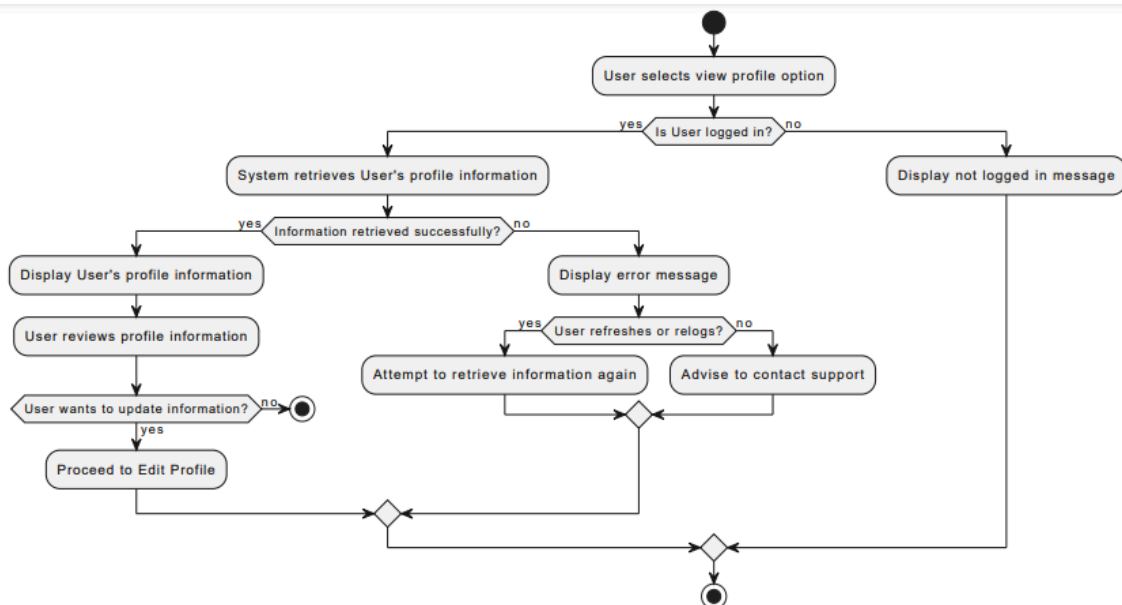


Fig 13: Show Profile Activity Diagram

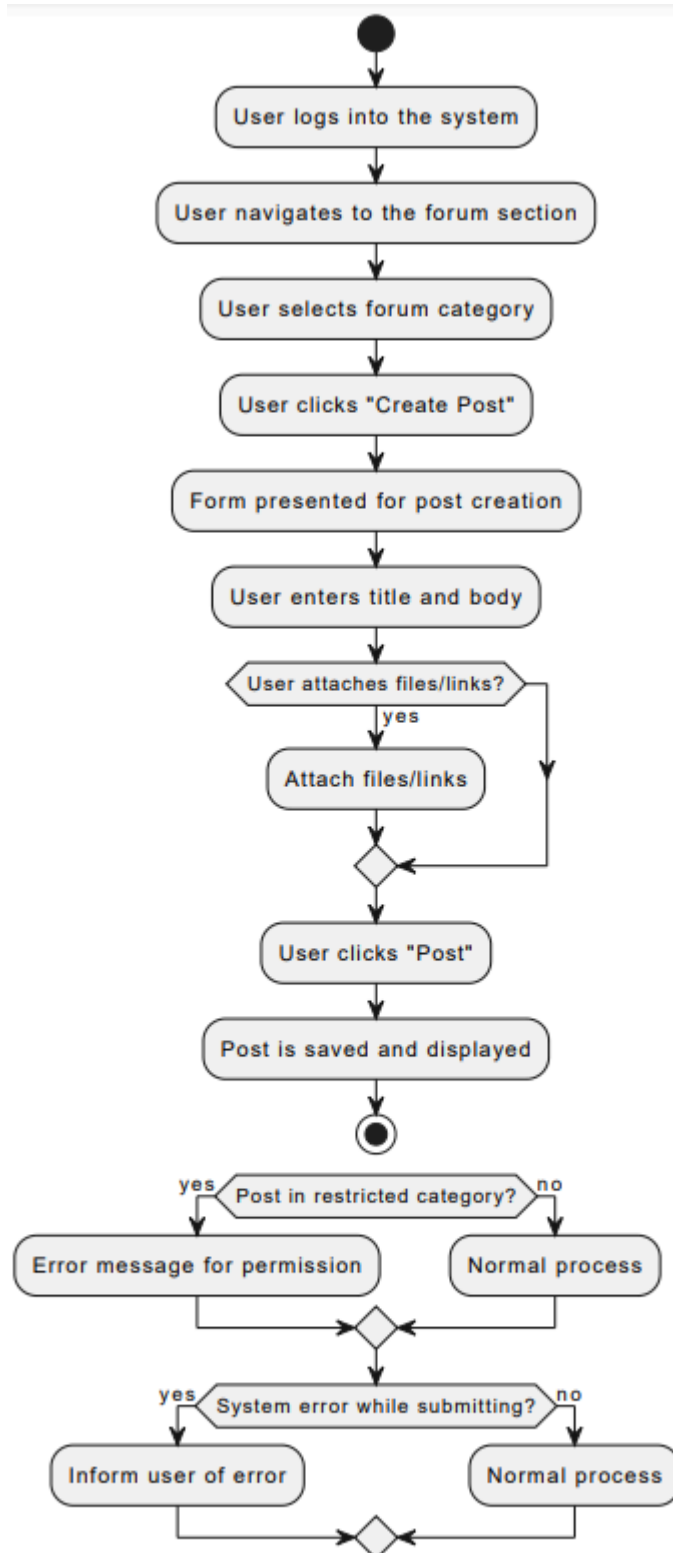


Fig 14: Create Post Activity Diagram

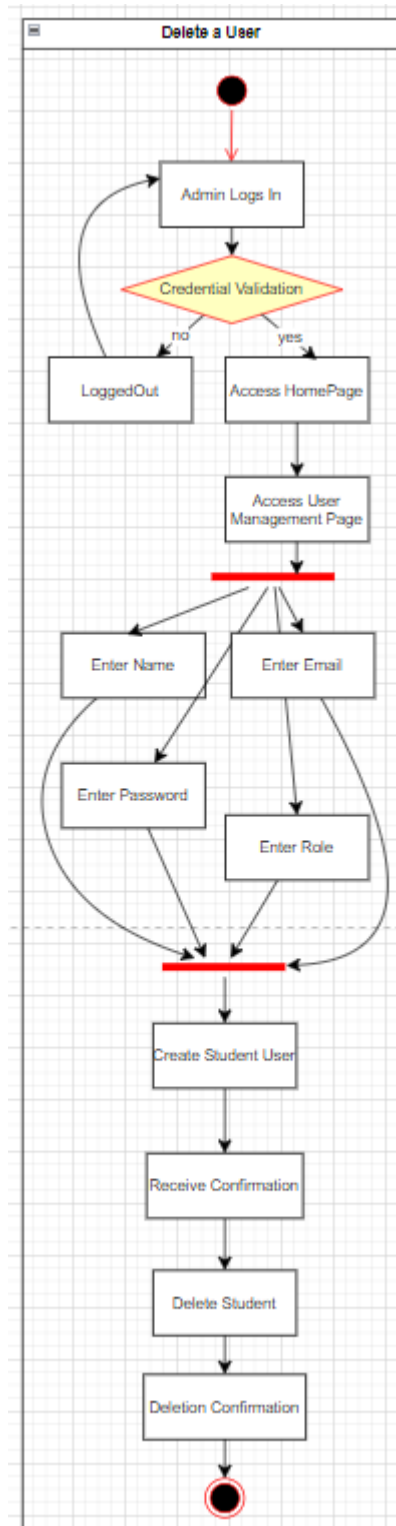


Fig 15: Delete User Activity Diagram

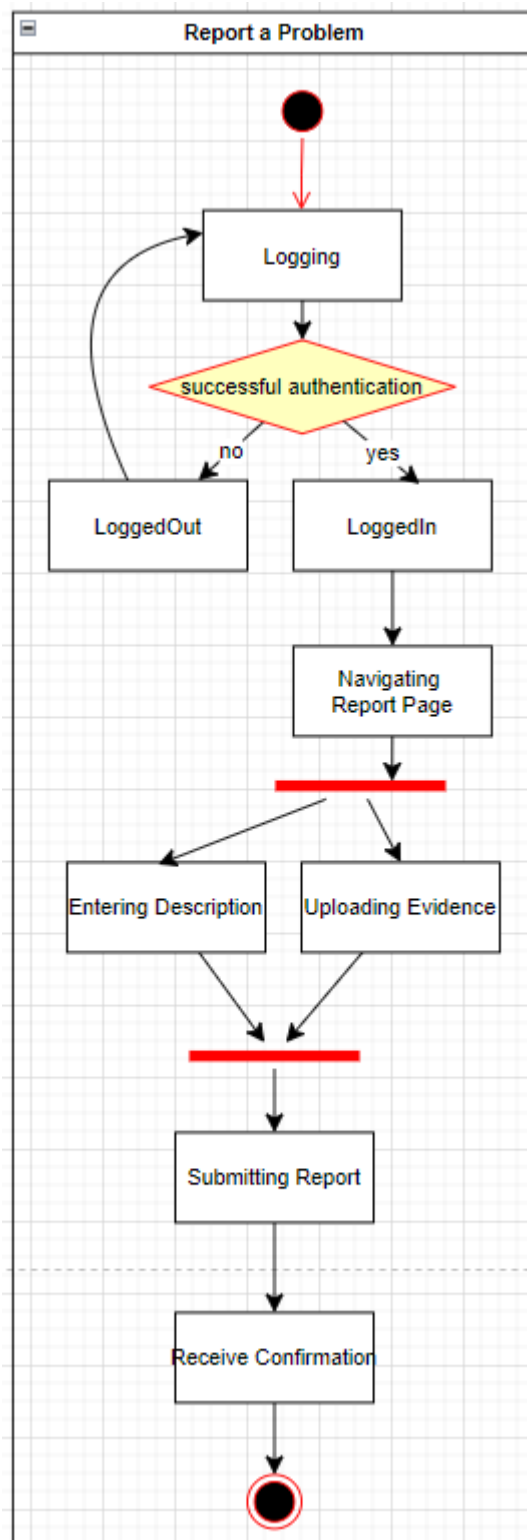
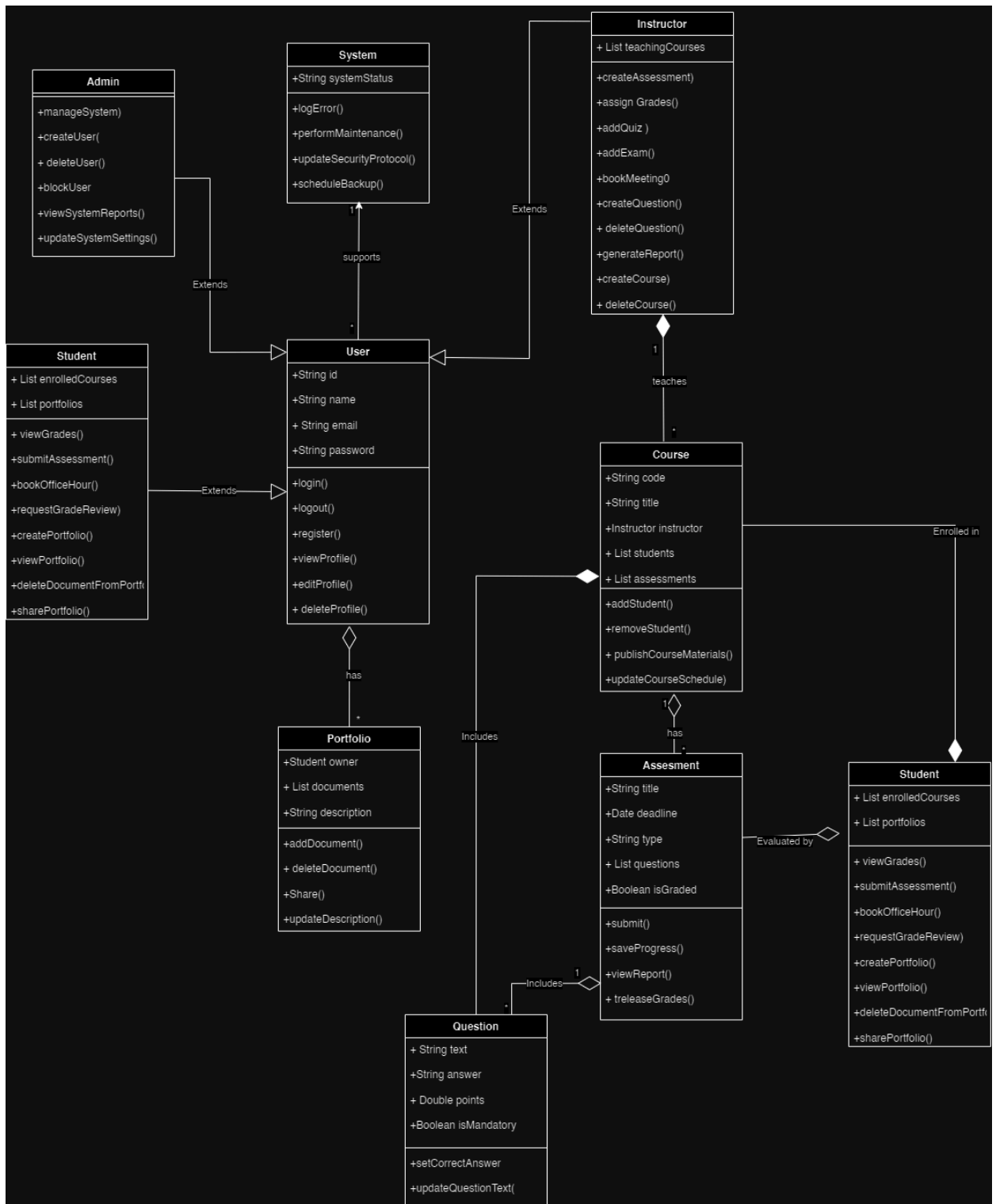


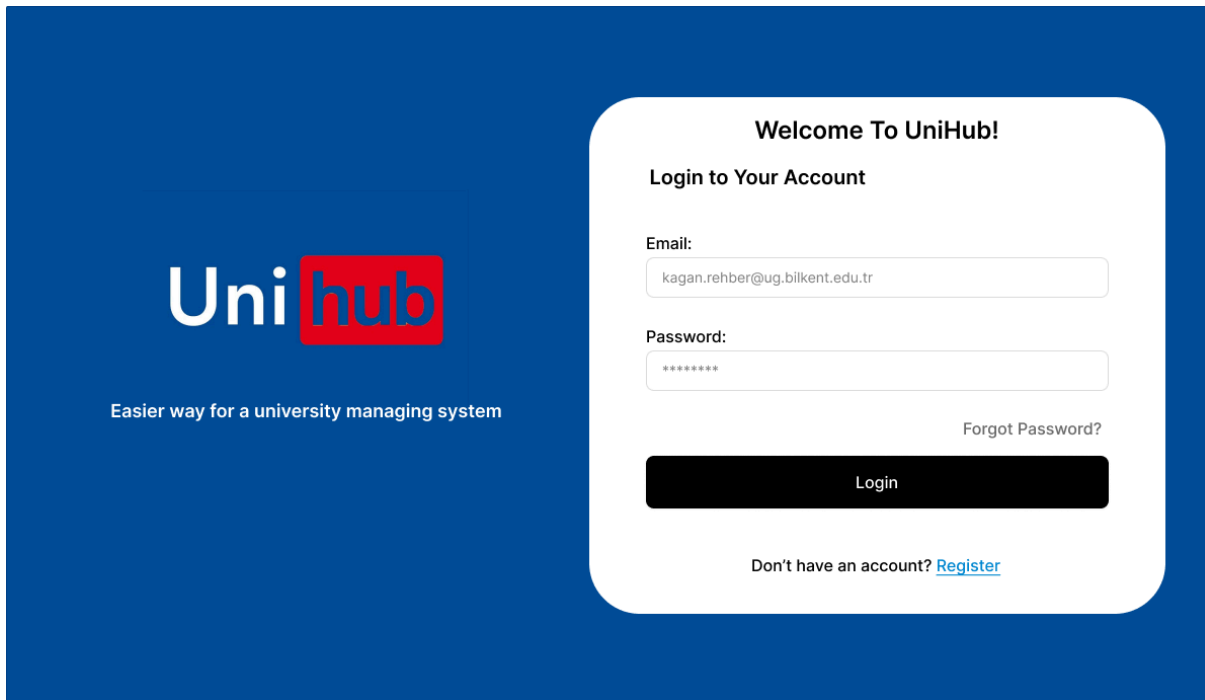
Fig 16: Create Report Activity Diagram

3. Domain Model



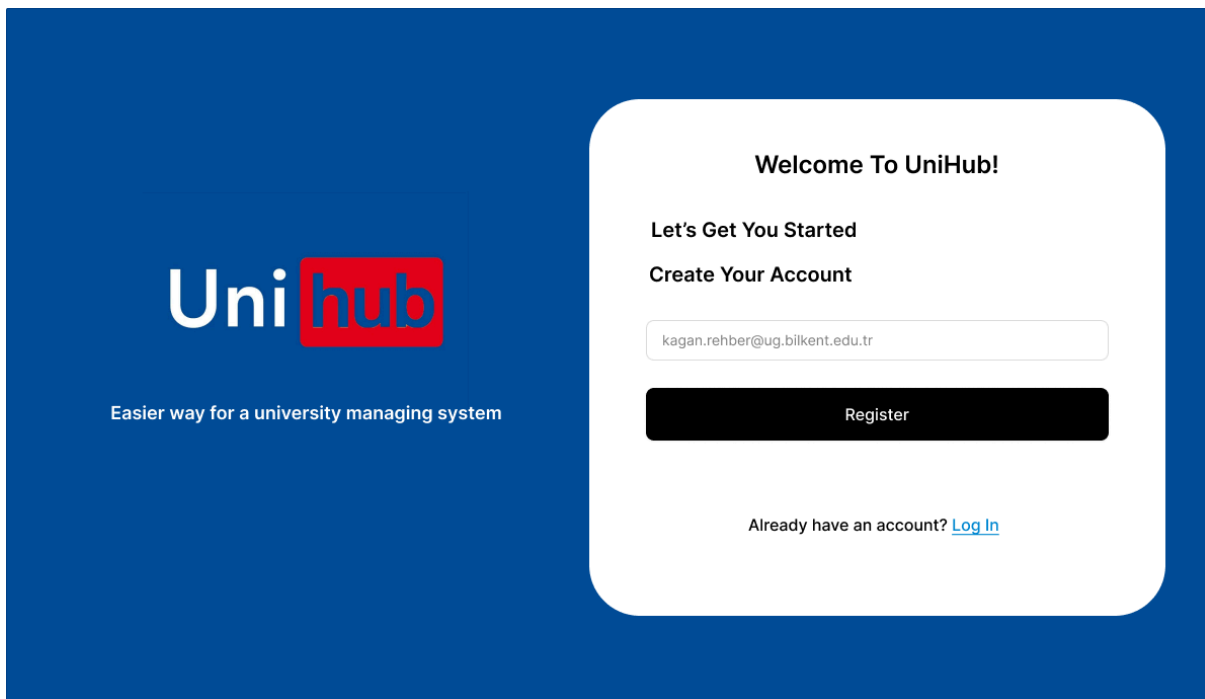
4. Mockup

Fig 18: Login Page



The login page features a dark blue background. On the left, the 'Uni hub' logo is displayed, with 'Uni' in white and 'hub' in white text inside a red square. Below the logo, the text 'Easier way for a university managing system' is written in white. On the right, a white rounded rectangle contains the login form. At the top of this rectangle is the heading 'Welcome To UniHub!'. Below it is the sub-heading 'Login to Your Account'. The form includes an 'Email:' label, a text input field containing 'kagan.rehber@ug.bilkent.edu.tr', a 'Password:' label, and a password input field with six asterisks. To the right of the password field is a link 'Forgot Password?'. Below the inputs is a black 'Login' button. At the bottom of the white rectangle is the text 'Don't have an account? [Register](#)'.

Fig 19: Register Page



The register page has the same dark blue background and 'Uni hub' logo as the login page. The white rounded rectangle on the right contains the registration form. It starts with the heading 'Welcome To UniHub!' followed by 'Let's Get You Started' and 'Create Your Account'. There is a single text input field for the email, containing 'kagan.rehber@ug.bilkent.edu.tr'. Below this is a black 'Register' button. At the bottom of the white rectangle is the text 'Already have an account? [Log In](#)'.

Fig 20: Forget Password Page

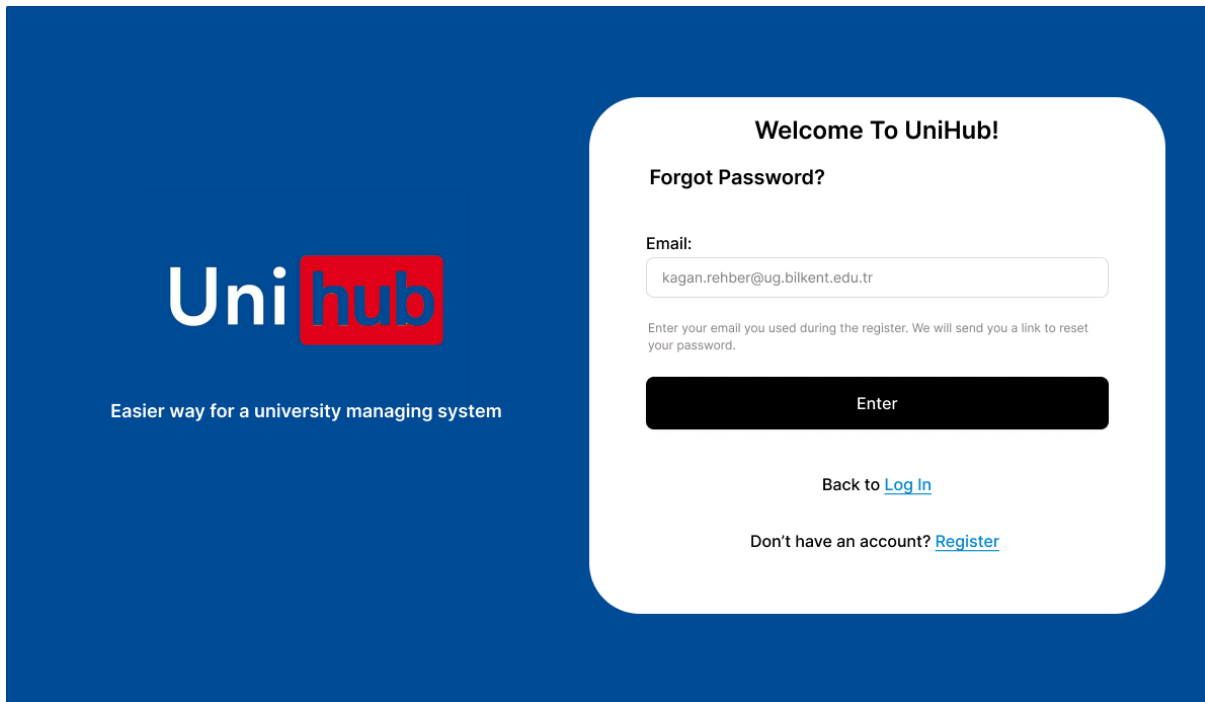


Fig 21: Profile Page

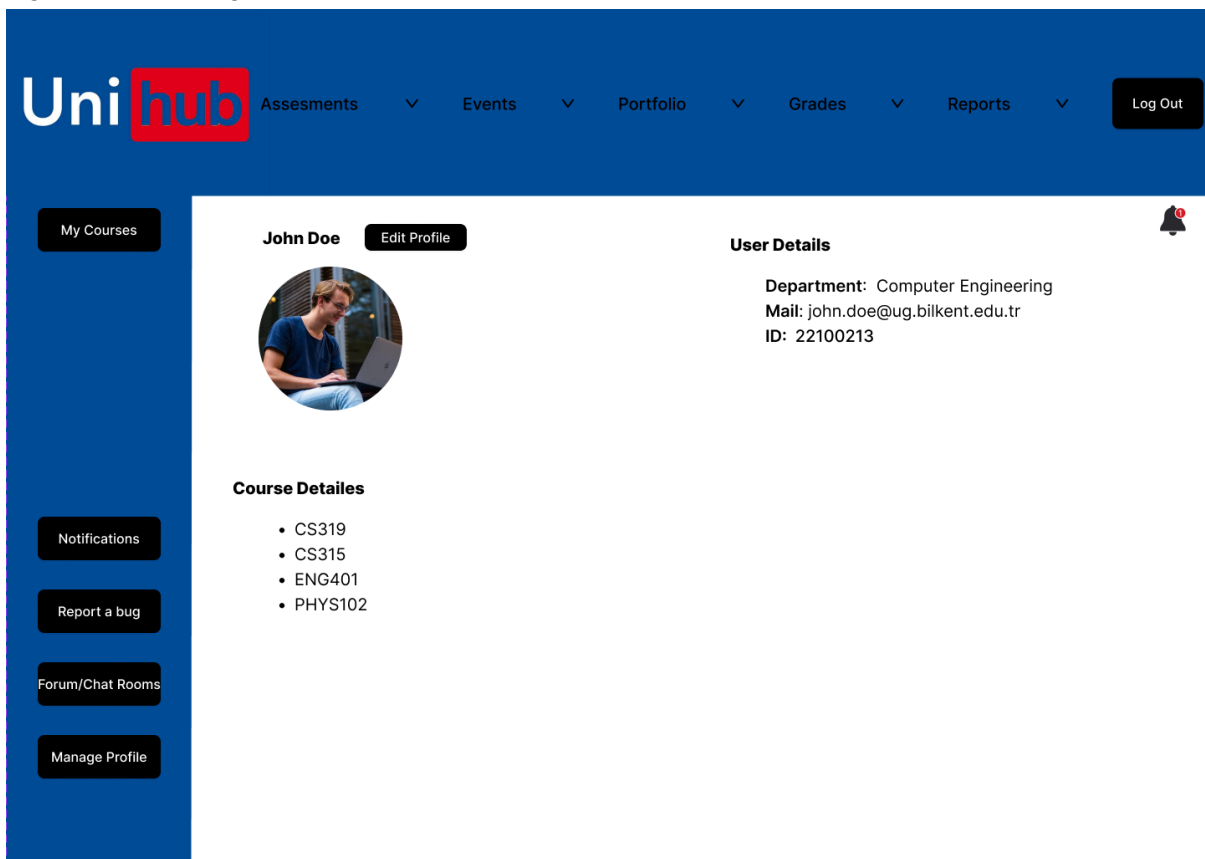


Fig 22: Notifications

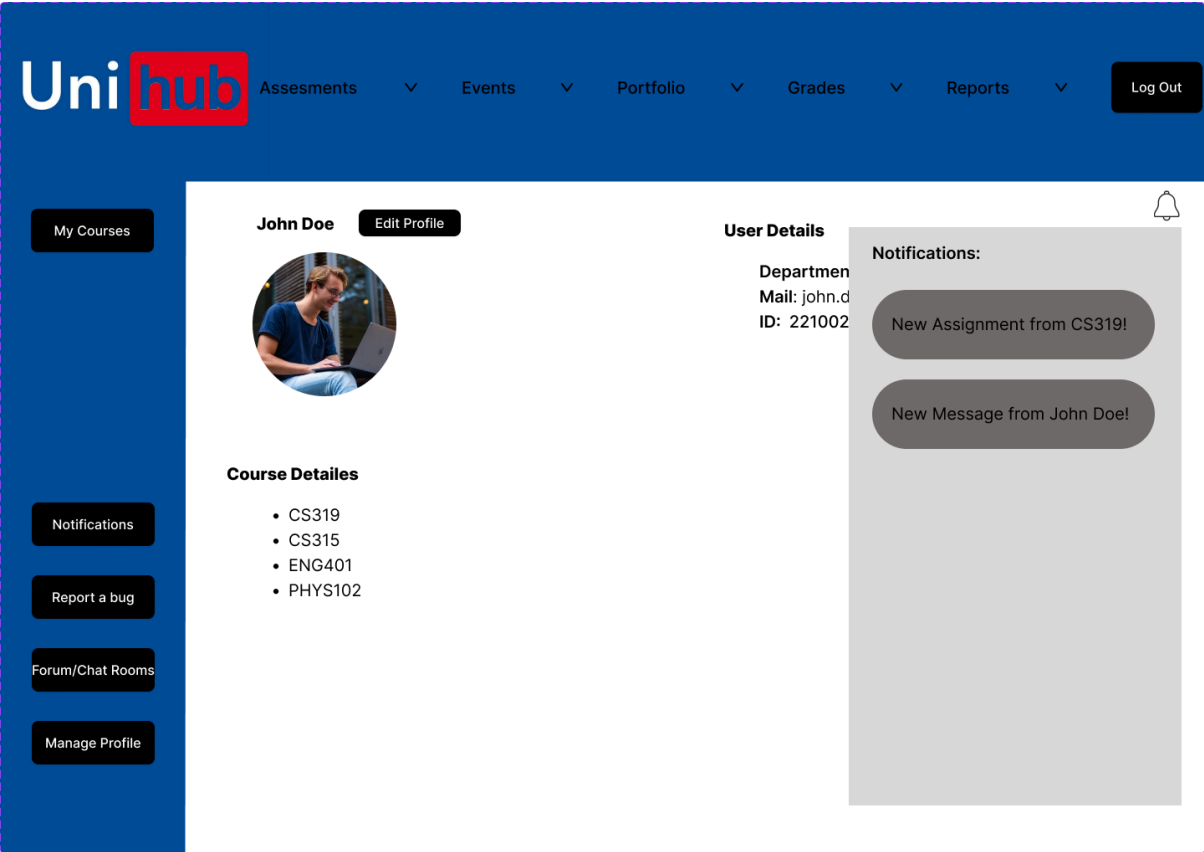


Fig 23: Search by Filter Question

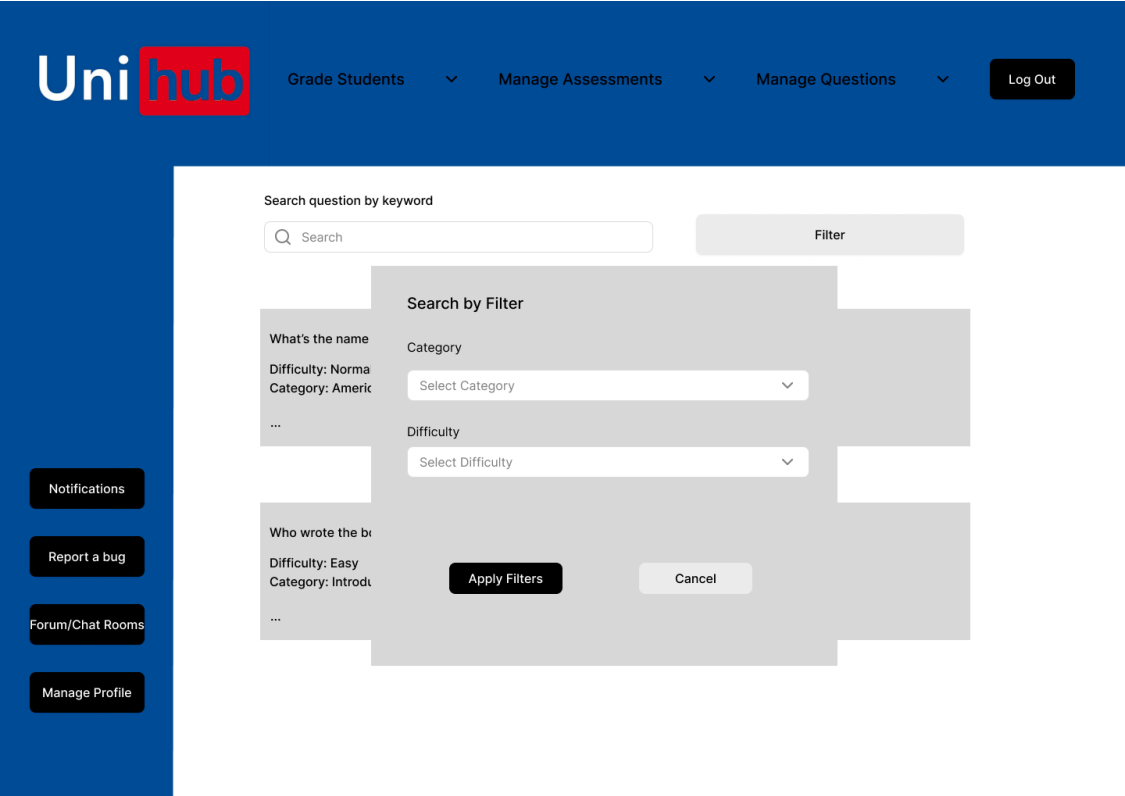


Fig 24: See Forum

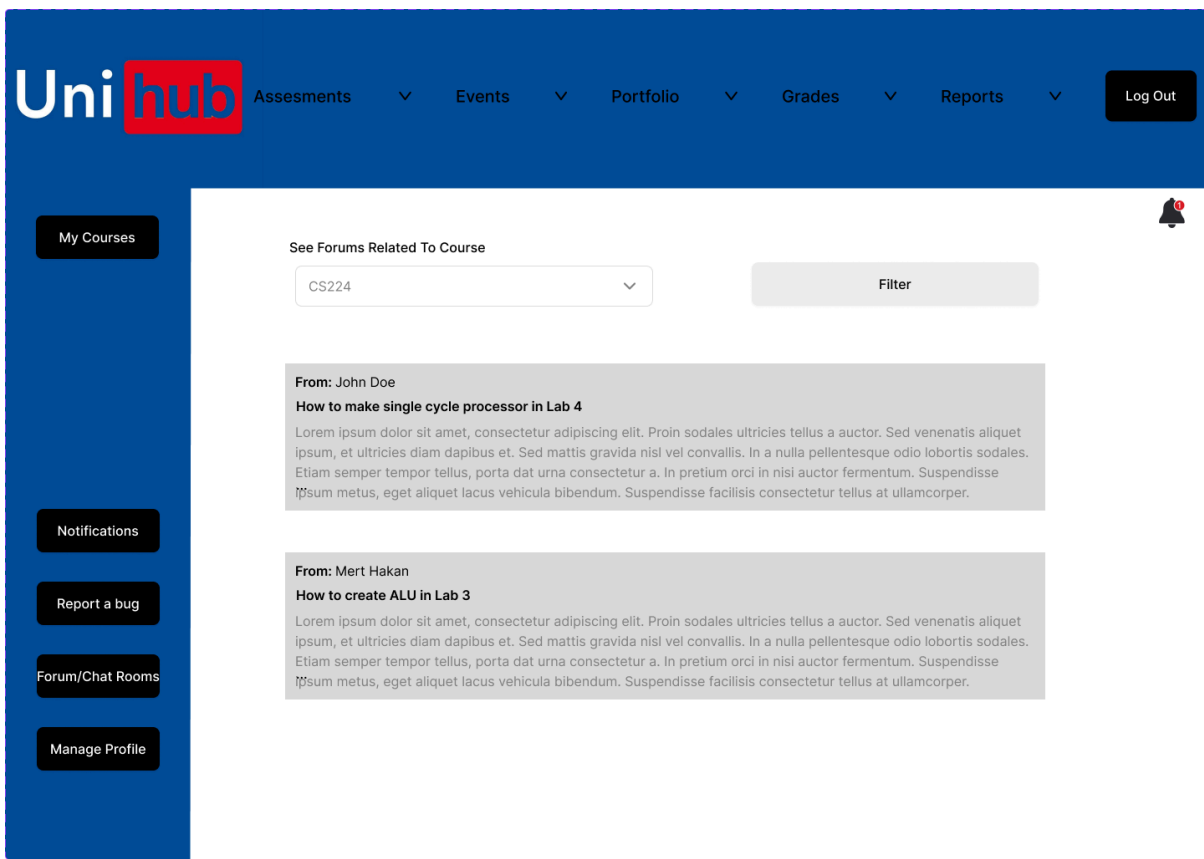


Fig 25: View Past Assessments

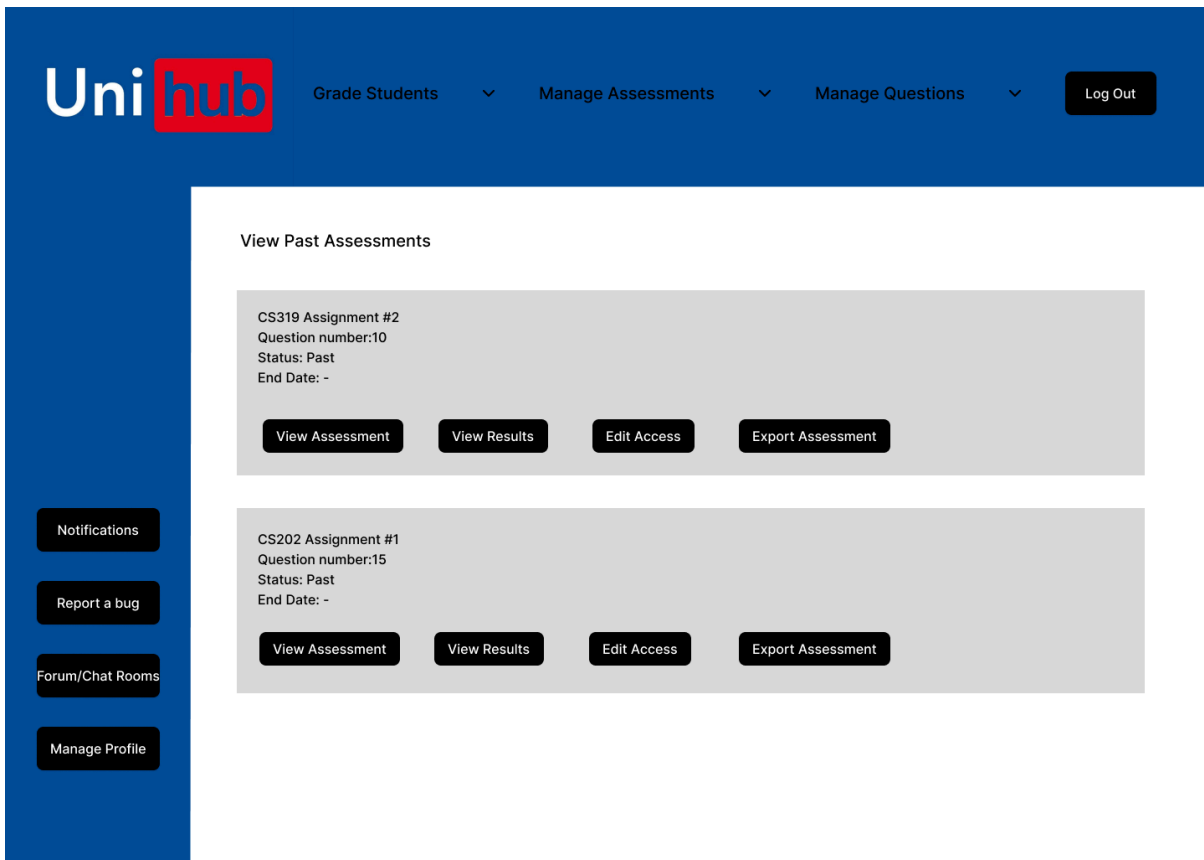


Fig 26: Delete Question

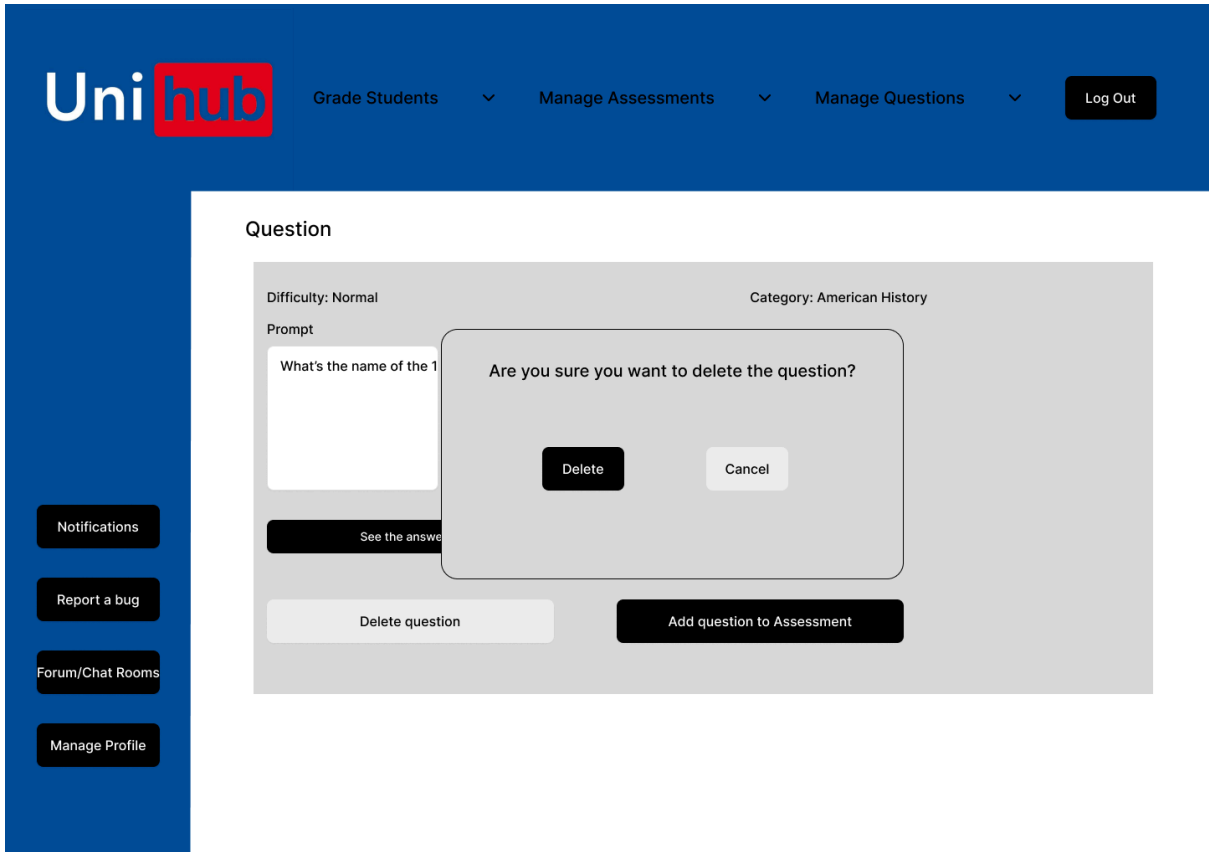


Fig 27: Assessment Results

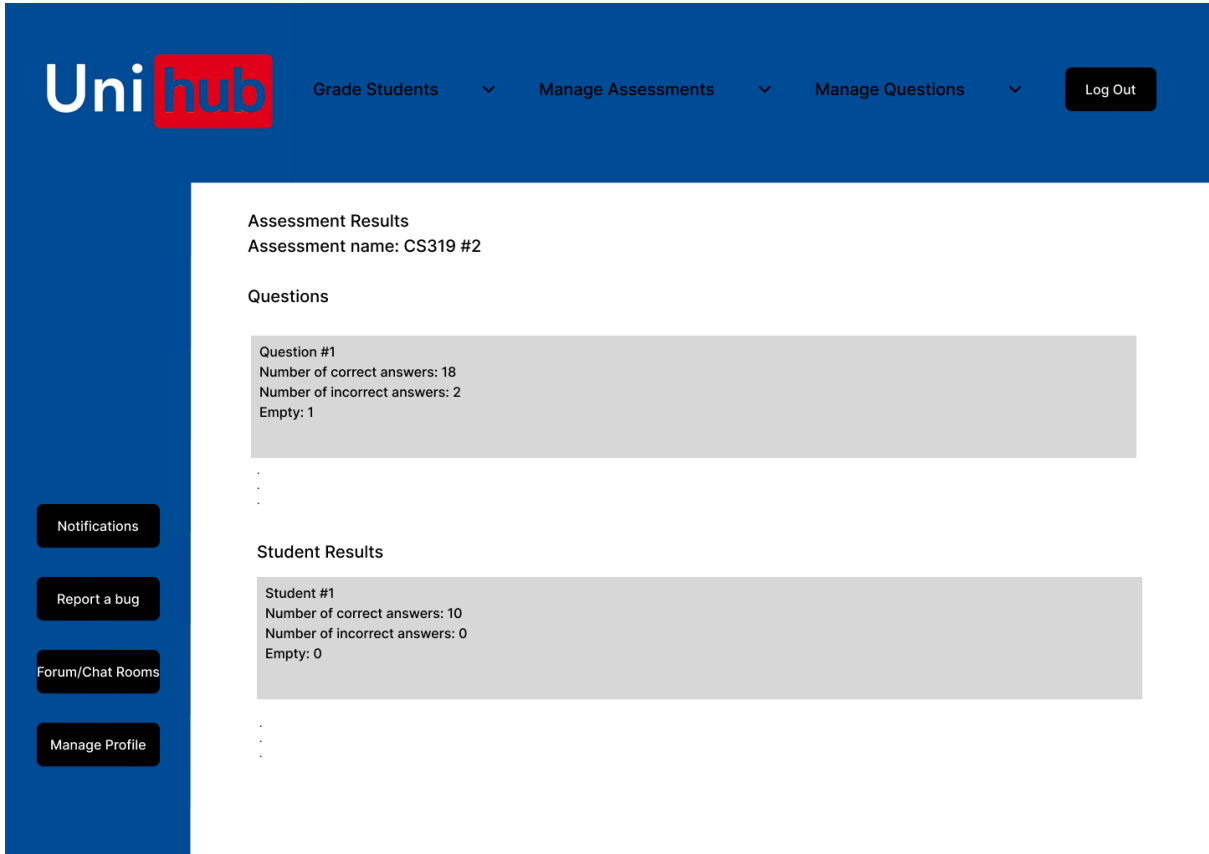


Fig 28: Add Question to Assessment

Uni

hub

Grade Students

Manage Assessments

Manage Questions

Log Out

Notifications

Report a bug

Forum/Chat Rooms

Manage Profile

Question

Difficulty: Normal

Category: American History

Prompt

What's the name of the 13th American President?

See the answer

Delete question

Add question to Assessment

Fig 29: Create Question

Uni

hub

Assesments

Events

Portfolio

Grades

Reports

Log Out

My Courses

Create Post

Related Course:

CS224

Question:

How to make single cycl...

Details:

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Proin sodales ultricies tellus a auctor. Sed venenatis aliquet ipsum, et ultricies diam dapibus et. Sed mattis gravida nisi vel convallis. In a nulla pellentesque odio lobortis sodales. Etiam semper tempor tellus, porta dapibus nulla elementum et. Mauris semper ultrices pharetra. Mauris rhoncus massa dolor, et ornare est porttitor a. Curabitur efficitur gravida erat, ac tincidunt diam tempus a. Sed accumsan justo ante, vel volutpat urna consectetur a. In pretium orci in nisi auctor fermentum. Suspendisse condimentum ullamcorper magna, non pulvinar enim mollis ut. Cras elementum ultrices dolor a luctus. Etiam sagittis at tortor sit amet consectetur. Ut placerat risus accumsan, rutrum lacus nec, efficitur nisi. Suspendisse interdum ipsum metus, eget aliquet lacus vehicula bibendum. Suspendisse facilisis consectetur tellus at ullamcorper.

Share

Fig 30: Assign Assessment to Students

The screenshot shows the UniHub interface for assigning an assessment. The top navigation bar includes the UniHub logo, a menu with 'Assesments', 'Events', 'Portfolio', 'Grades', and 'Reports', and a 'Log Out' button. A left sidebar contains buttons for 'My Courses', 'Notifications', 'Report a bug', 'Forum/Chat Rooms', and 'Manage Profile'. The main content area displays the following information:

- Course:** CS224
- From:** John Doe
- Question:** How to make single cycle processor in Lab 4
- Details:** Lorem ipsum dolor sit amet, consectetur adipiscing elit. Proin sodales ultricies tellus a auctor. Sed venenatis aliquet ipsum, et ultricies diam dapibus et. Sed mattis gravida nisi vel convallis. In a nulla pellentesque odio lobortis sodales. Etiam semper tempor tellus, porta dapibus nulla elementum et. Mauris semper ultrices pharetra. Mauris rhoncus massa dolor, et ornare est porttitor a. Curabitur efficitur gravida erat, ac tincidunt diam tempus a. Sed accumsan justo ante, vel volutpat urna consectetur a. In pretium orci in nisi auctor fermentum. Suspendisse condimentum ullamcorper magna, non pulvinar enim mollis ut. Cras elementum ultrices dolor a luctus. Etiam sagittis at tortor sit amet consectetur. Ut placerat risus accumsan, rutrum lacus nec, efficitur nisi. Suspendisse interdum ipsum metus, eget aliquet lacus vehicula bibendum. Suspendisse facilisis consectetur tellus at ullamcorper.
- Comments:**
 - From:** Mert Hakan (You)
 - Lorem ipsum dolor sit amet, consectetur adipiscing elit. Proin sodales ultricies tellus a auctor. Sed venenatis aliquet ipsum, et ultricies diam dapibus et. Sed mattis gravida nisi vel convallis. In a nulla pellentesque odio lobortis sodales. Etiam semper tempor tellus, porta dapibus nulla elementum et. Mauris semper ultrices pharetra. Mauris rhon

At the bottom right of the comments section, there are 'Edit' and 'Delete' buttons.

Fig 31: See Past Assessments

The screenshot shows the UniHub interface for viewing past assessments. The top navigation bar includes the UniHub logo, a 'Manage Assessments' dropdown menu, and a 'Log Out' button. A left sidebar contains buttons for 'Notifications', 'Report a bug', 'Forum/Chat Rooms', and 'Manage Profile'. The main content area is titled 'Past Assessments' and displays two assessment entries:

- CS319 Assignment #2**
 - Question number:10
 - Status: Past
 - End Date: -
 - Buttons: View Assessment, View Results, Assessment Report
- CS202 Assignment #1**
 - Question number:15
 - Status: Past
 - End Date: -
 - Buttons: View Assessment, View Results, Export Assessment, Create Assessment Report

A modal dialog box is overlaid on the CS319 entry, displaying the message: 'Assessment report has been created successfully'. The modal contains two buttons: 'Go to assessment report' and 'Exit'.

Fig 32: Edit Access

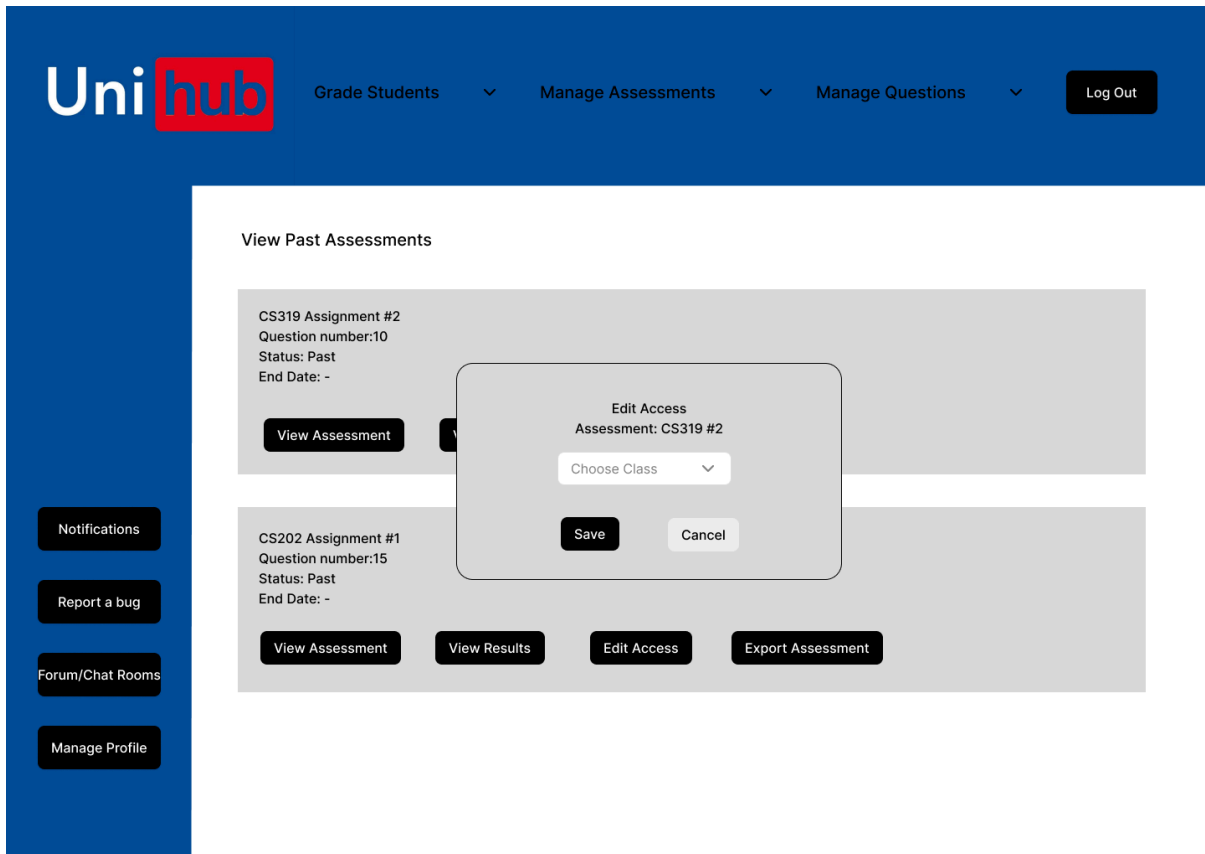


Fig 33: Search Question

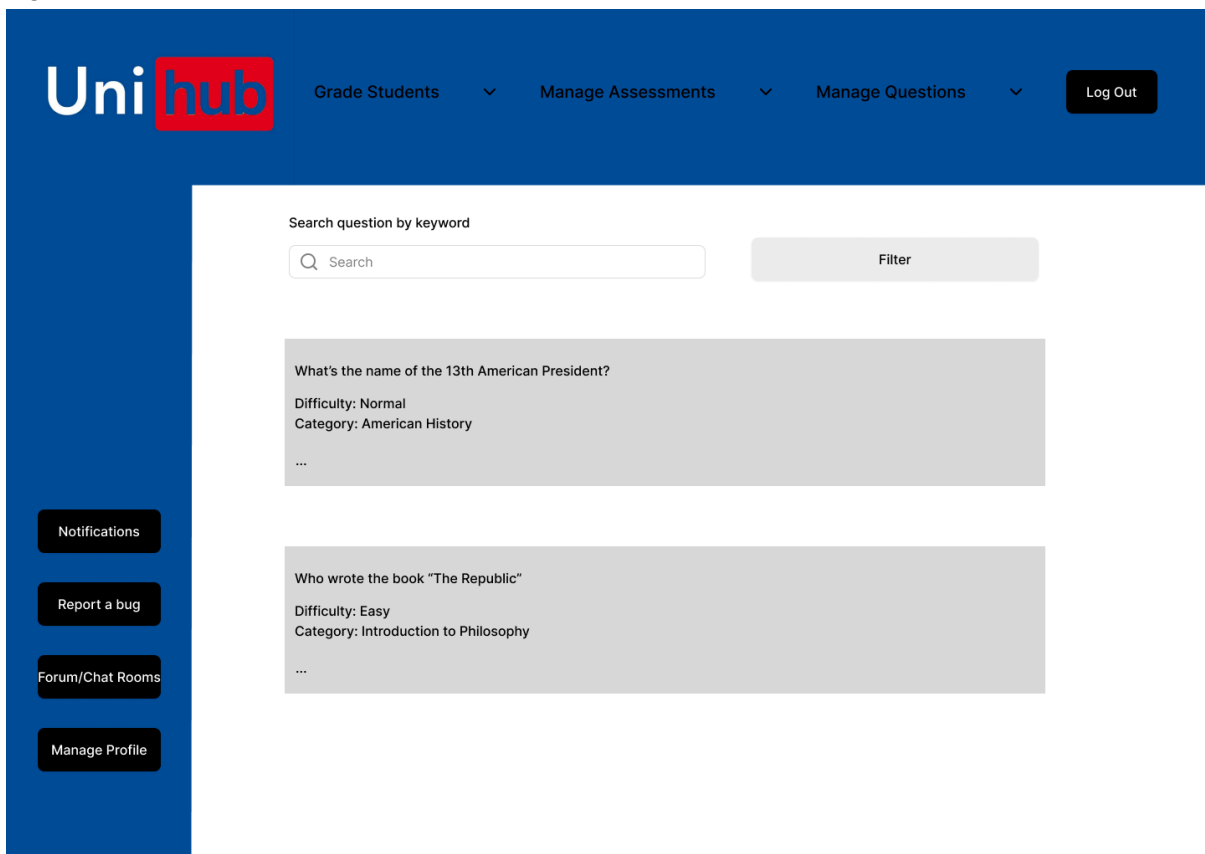


Fig 34: Past Assessments

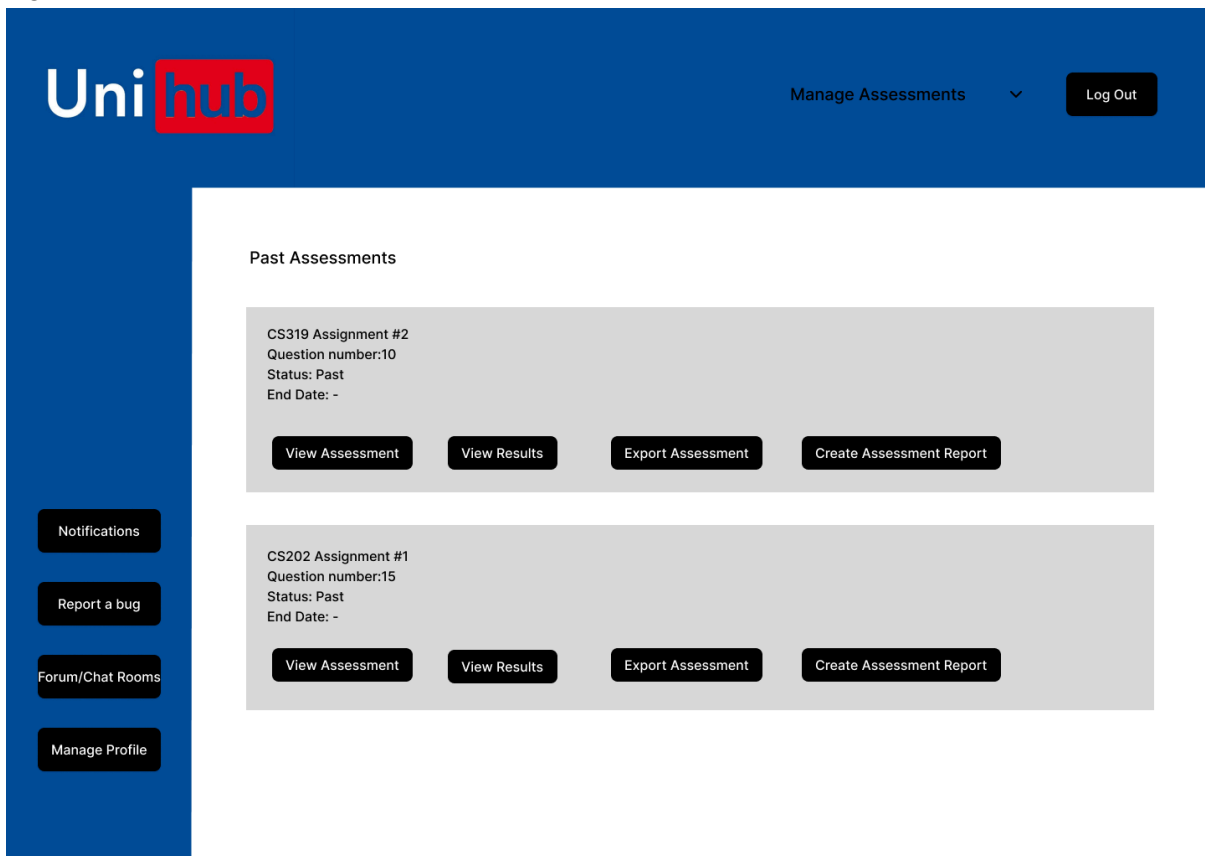


Fig 35: View Assessments

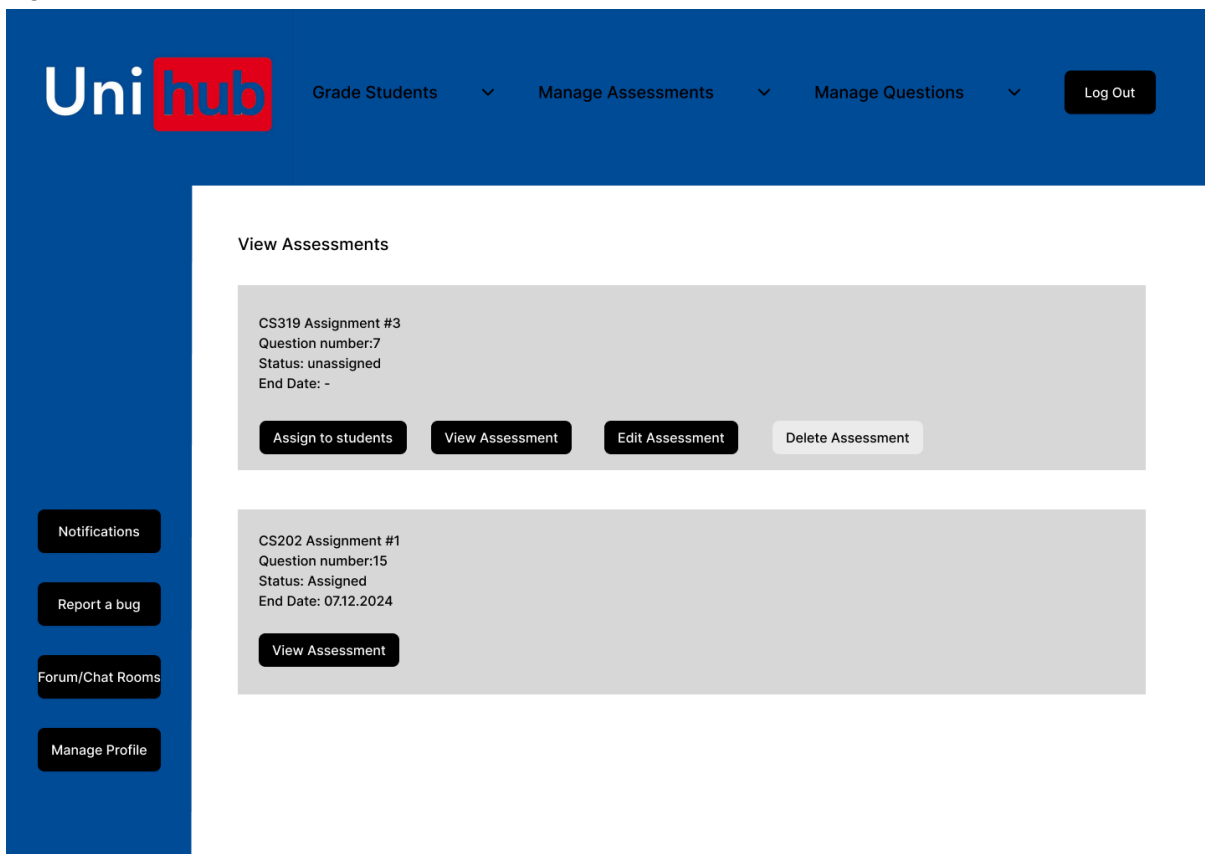


Fig 36: ?

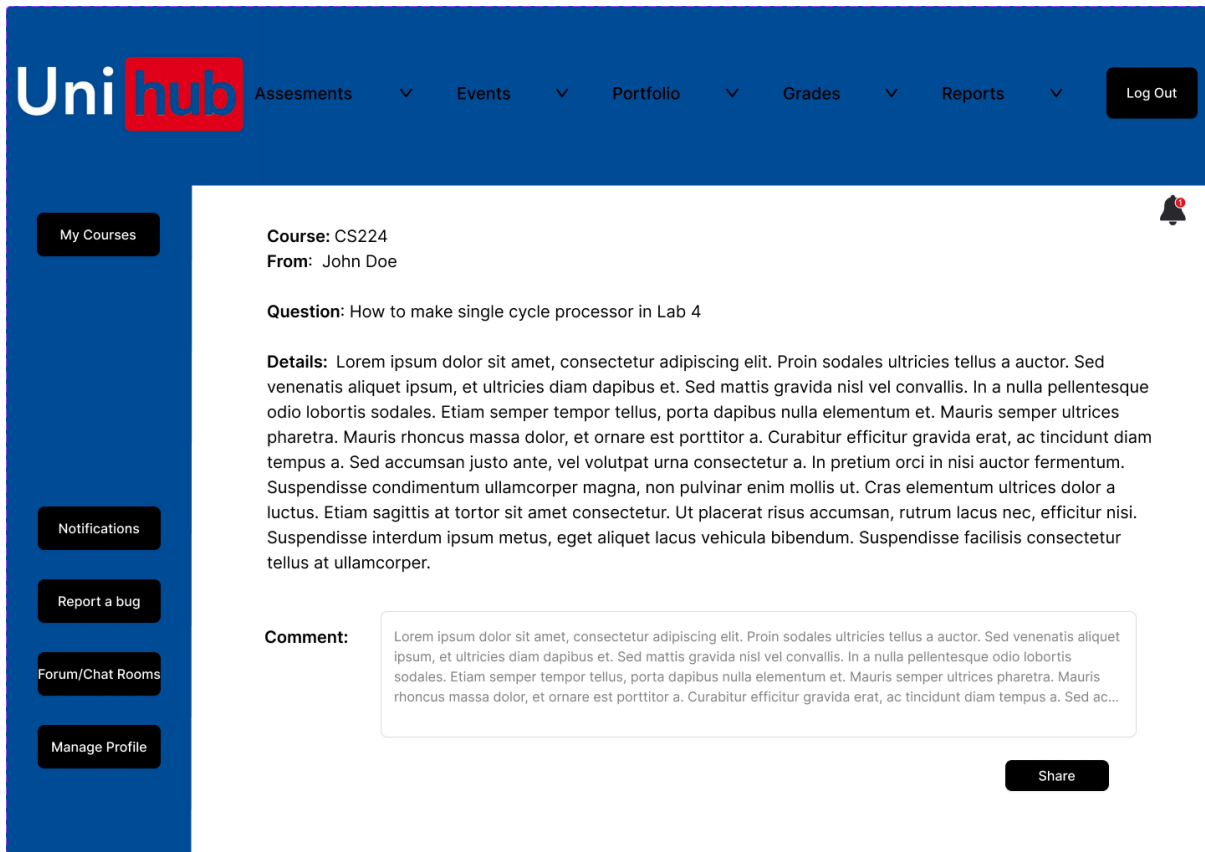


Fig 37: Assessment Reports

Fig 38: Create Assesment

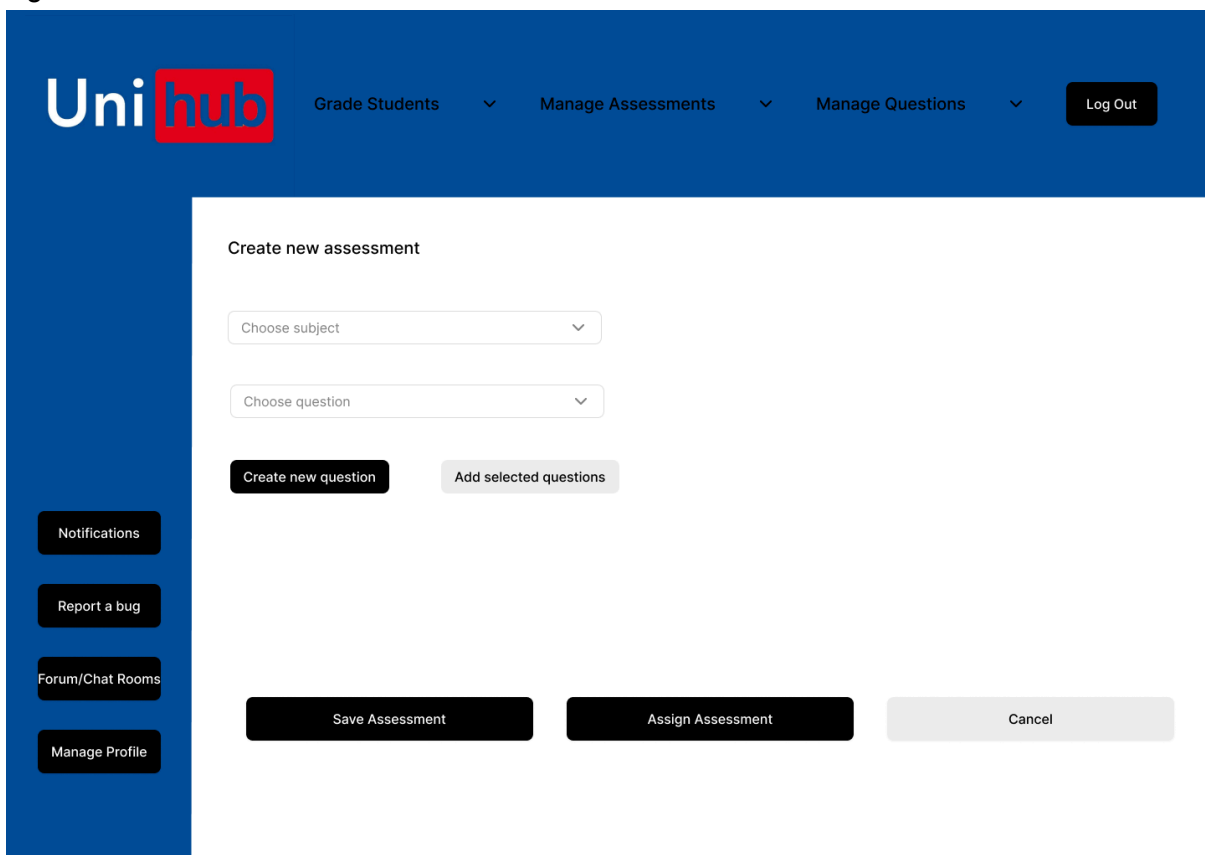


Fig 39: Profile

Uni

hub

Assesments

Events

Portfolio

Grades

Reports

Log Out

My Courses

Notifications


Report a bug

Forum/Chat Rooms

Manage Profile

John Doe

Edit Profile



Course Details

• CS319

• CS315

• ENG401

• PHYS102

CS202

Add

User Details

Department:

Computer Engineering

Mail:

john.doe@ug.bilkent.ed...

ID:

22100213...

Fig 40: System Report

Uni

hub

Assesments

Events

Portfolio

Grades

Reports

Log Out

My Courses

Notifications

Report a bug

Forum/Chat Rooms

Manage Profile

System Reporting

Report a Problem

Type your message here...

Upload Evidences!

Send your Problem

Search

Report Feedbacks	Report ID	Status
Your report is approved.	1	Active
Your report is rejected.	1	Active

Fig 41: See Grades

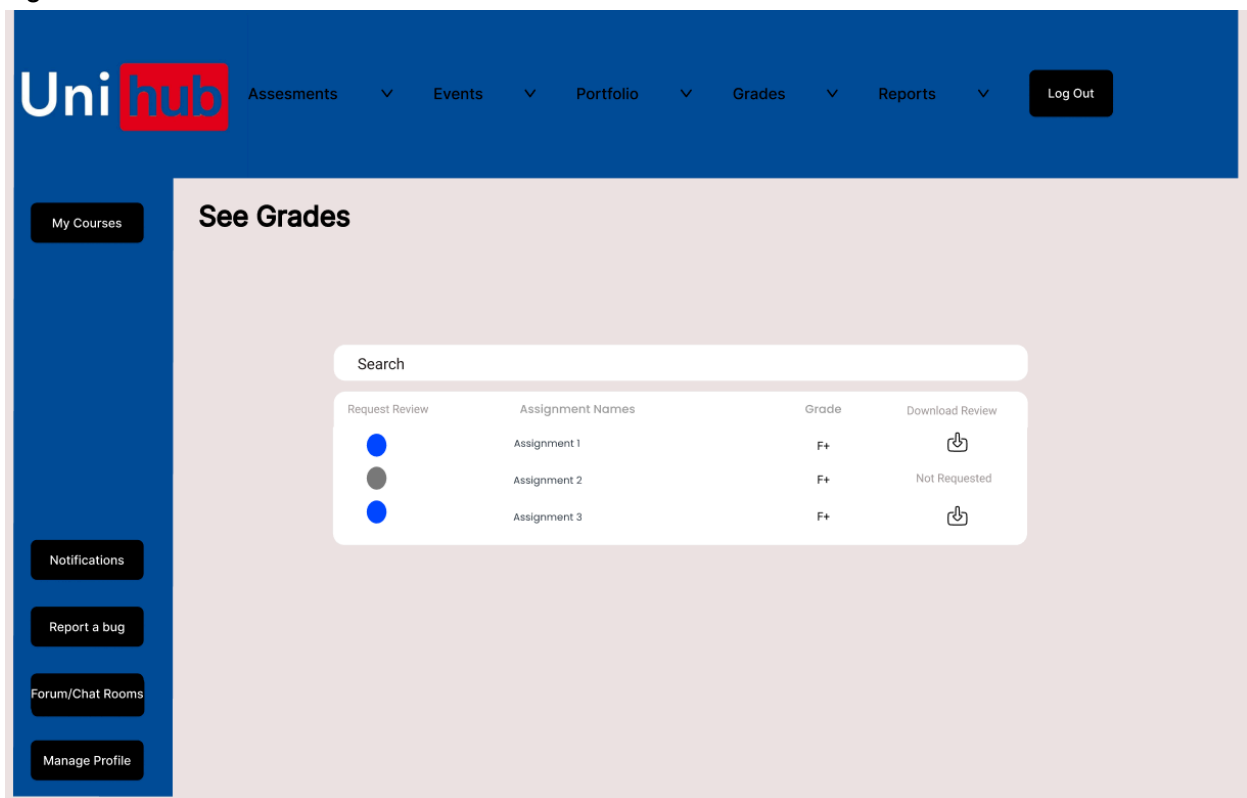


Fig 42: Admin Panel

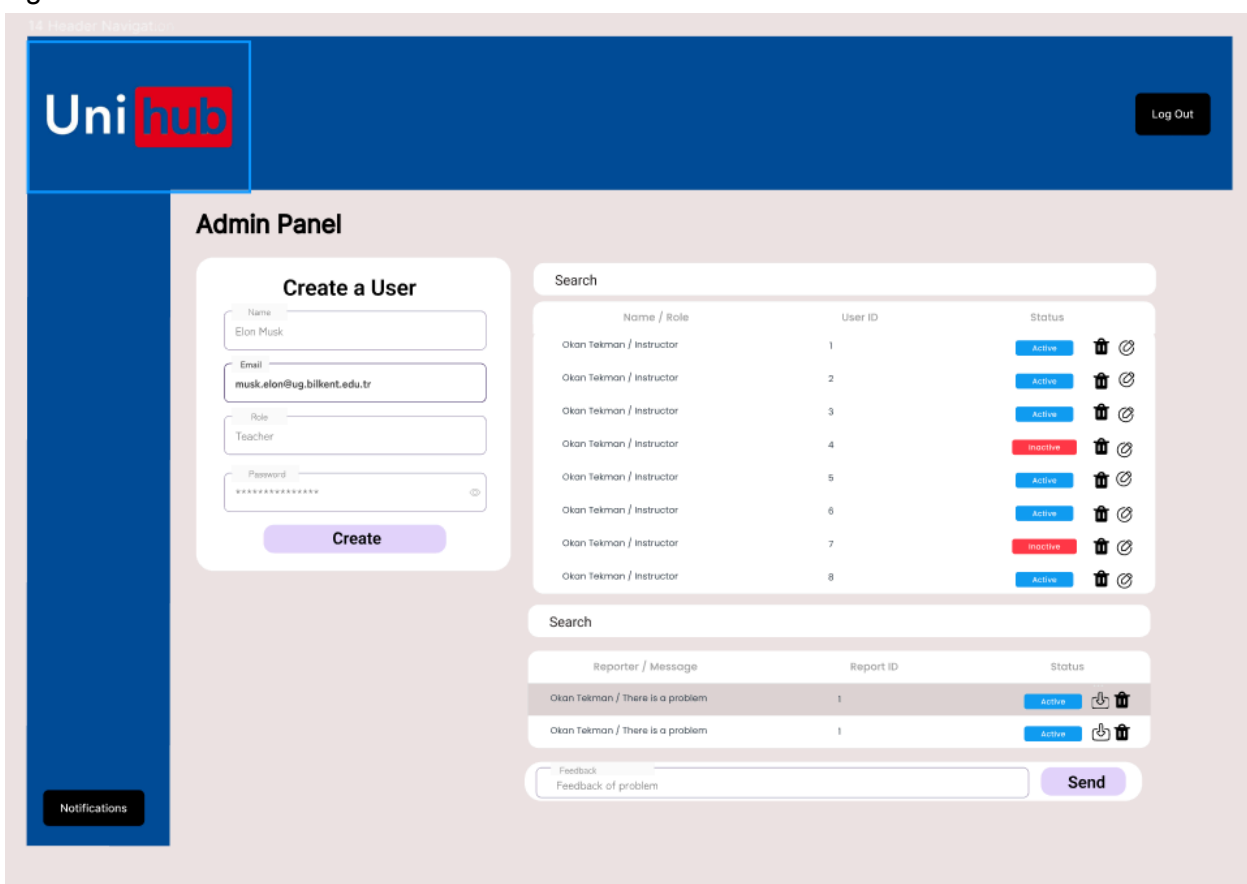


Fig 43: Book Office Hours

The screenshot shows the UniHub interface for booking office hours. The top navigation bar is blue with the UniHub logo and links to Assessments, Events, Portfolio, Grades, Reports, and a Log Out button. A left sidebar contains buttons for My Courses, Notifications, Report a bug, Forum/Chat Rooms, and Manage Profile. The main content area is titled 'Book Office Hours' and contains three input fields: 'Lecturer', 'Date', and 'Details'. A 'Save Changes' button is located at the bottom right of the form.

UniHub

Assessments Events Portfolio Grades Reports Log Out

My Courses

Book Office Hours

Lecturer

Date

Details

Save Changes

Fig 44: New Assessments

The screenshot shows the UniHub interface for creating new assessments. The top navigation bar is blue with the UniHub logo and links to Assessments, Events, Portfolio, Grades, Reports, and a Log Out button. A left sidebar contains buttons for My Courses, Notifications, Report a bug, Forum/Chat Rooms, and Manage Profile. The main content area is titled 'New Assessments' and contains a table with five rows, each with an 'Assesment' entry and a 'Start' button. At the bottom, there are three numbered tabs: 1, 2, and 3.

UniHub

Assessments Events Portfolio Grades Reports Log Out

My Courses

New Assessments

Assesment	Start
Assesment	Start
Assesment	Start
Assesment	Start
Assesment	Start

1 2 3

Fig 45: Profil Page

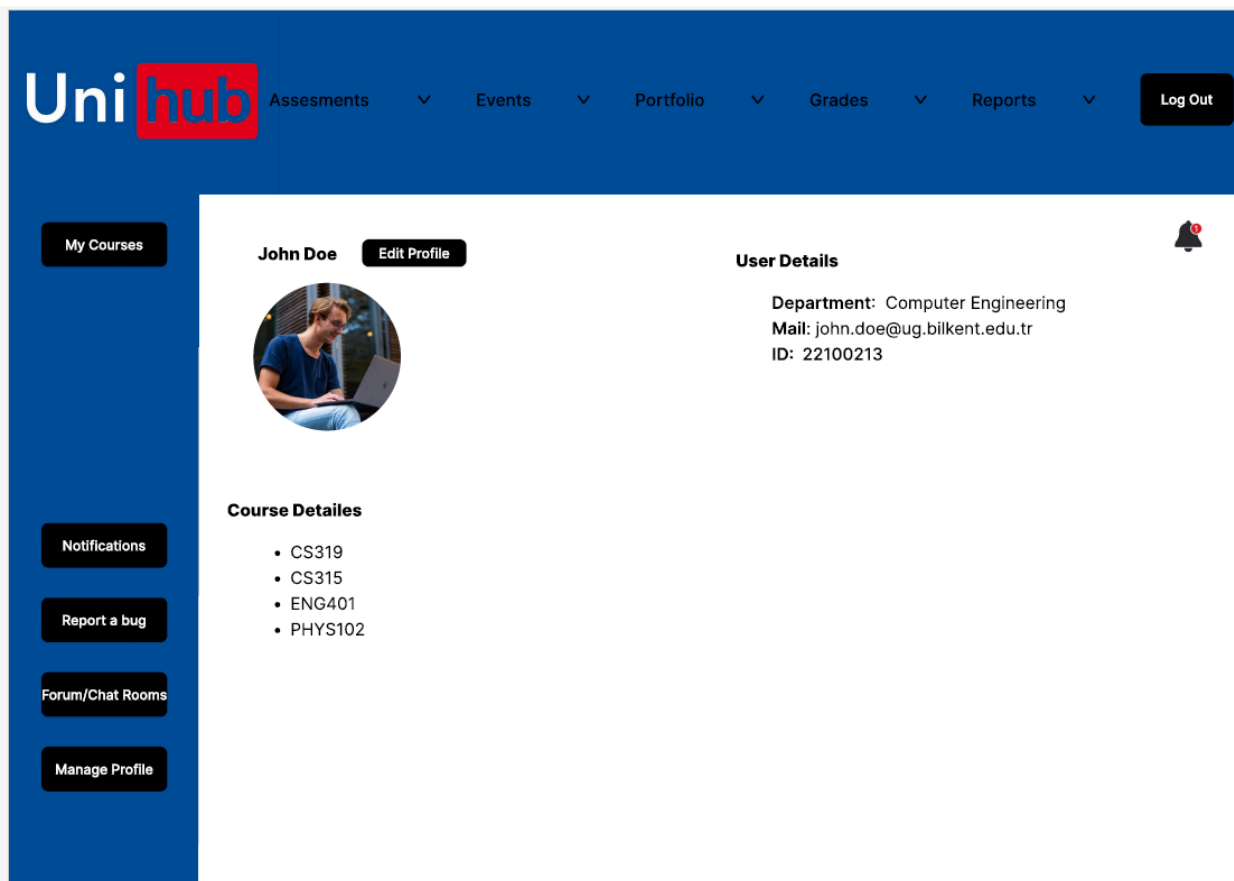


Fig 46: Create an Event

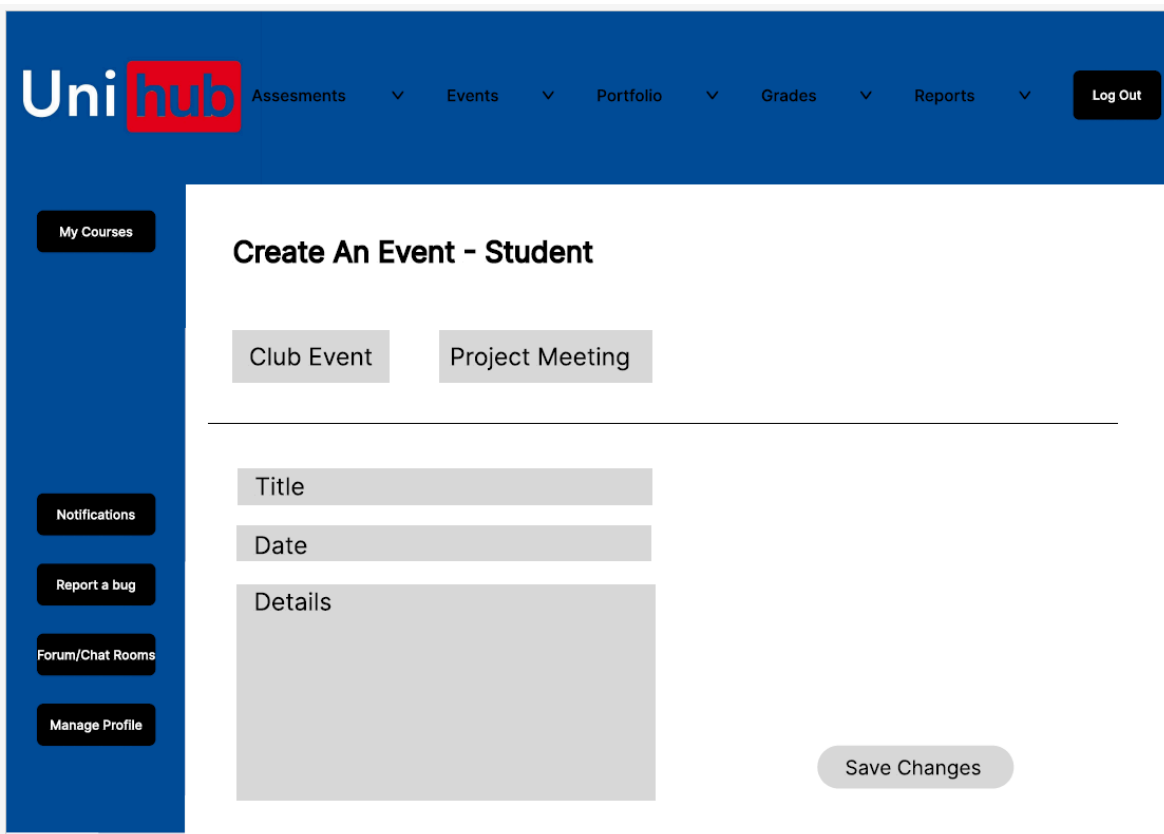


Fig 47: Past Assessments

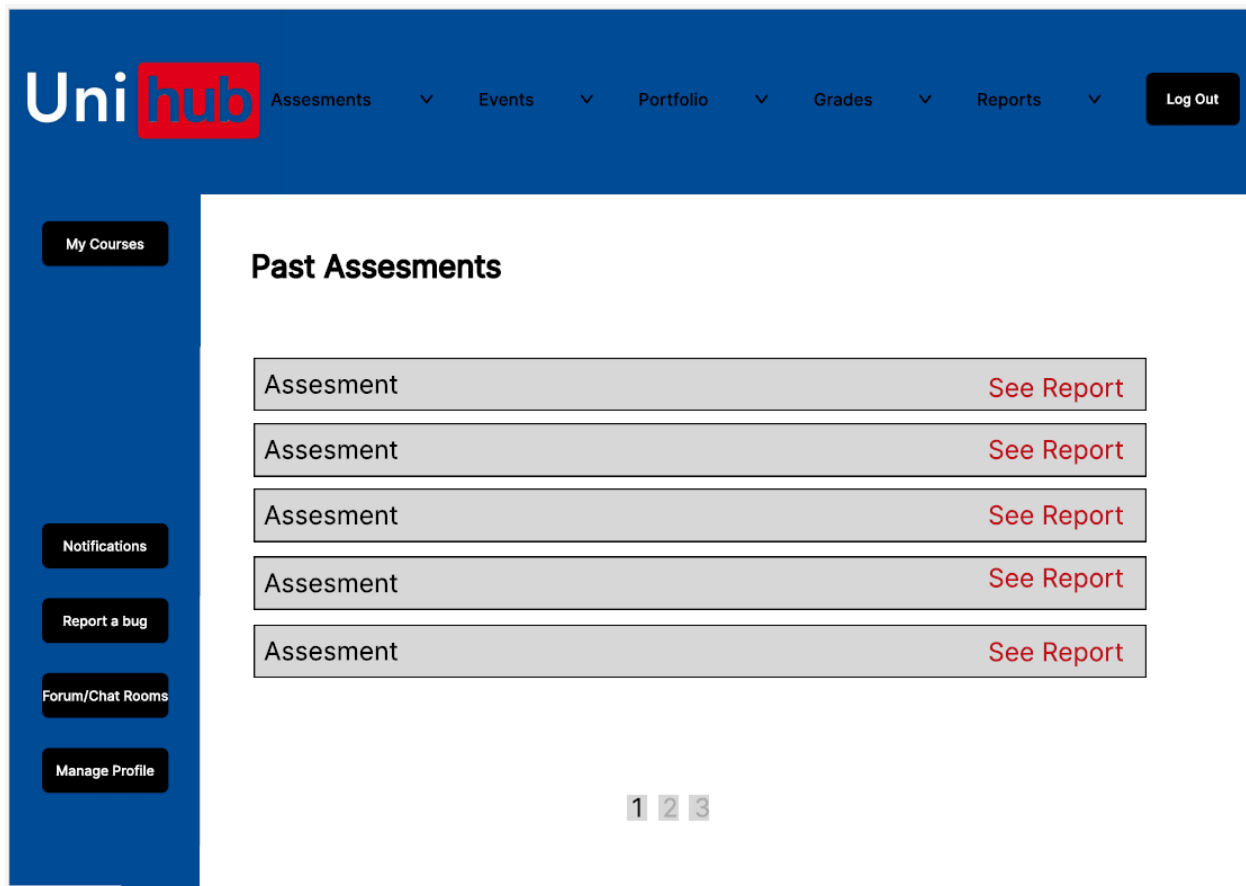
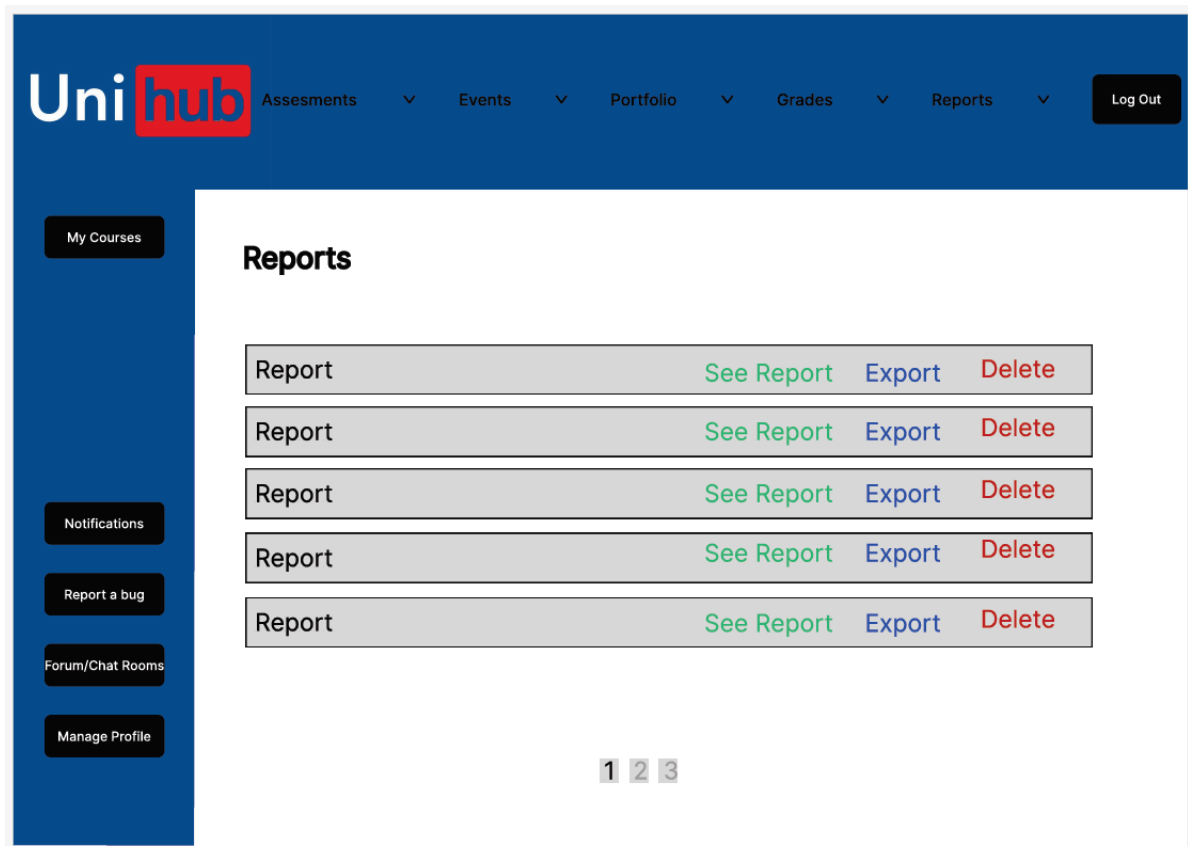


Fig 48: Reports



Fig

49: Grade Students

Uni

hub

Grade Students ▾

Manage Assessments ▾

Manage Questions ▾

Log Out

Notifications

Report a bug

Forum/Chat Rooms

Manage Profile

Grade Students

CS319

CS315

CS241

CS242

Fig 50: Create an Event

Uni

hub

Grade Students ▾

Manage Assessments ▾

Manage Questions ▾

Log Out

Notifications

Report a bug

Forum/Chat Rooms

Manage Profile

Create An Event - Instructor

Exam

Quiz

Office Hours

Project Meeting

Title

Related Course ▾

Date

Details

Save Changes

Fig 51: Assessment Example

Uni hub

Assesments ▾ Events ▾ Portfolio ▾ Grades ▾ Reports ▾ Log Out

My Courses

Notifications

Report a bug

Forum/Chat Rooms

Manage Profile

Assesment Example

Submit Test

Save Progress

1. The smallest 3 digit prime number is:
☐ Ⓐ 101
☐ Ⓑ 103
☐ Ⓒ 109
☐ Ⓓ 113

[#]

2. $9 + \frac{3}{4} + 7 + \frac{2}{17} - \left(9 + \frac{1}{15} \right) = ?$
☐ Ⓐ $7 + \frac{719}{1020}$
☐ Ⓑ $9 + \frac{817}{1020}$
☐ Ⓒ $9 + \frac{719}{1020}$
☐ Ⓓ $7 + \frac{817}{1020}$

Fig 52: Generate REport

Uni hub

Assesments ▾ Events ▾ Portfolio ▾ Grades ▾ Reports ▾ Log Out

My Courses

Notifications

Report a bug

Forum/Chat Rooms

Manage Profile

Generate Report

Report Type Select Type ▾

Courses Select Course ▾

User Groups Select Groups ▾

View Report

Export Report

Uni

hub

Grade Students

Manage Assessments

Manage Questions

Log Out

Grade Students

CS319

Name	ID	Grade	Review
John Doe	00000000		
Fohn Doe	00000000		
Micheal Jackson	00000000		
Recaizade Mahmut	00000000		
Mehmet Erdem	00000000		
Ali Ekrem	00000000		
Kerem Kilay	00000000		
Sukru Mahmut	00000000		

1

2

3

Save Changes

Notifications

Report a bug

Forum/Chat Rooms

Manage Profile

Uni

hub

Assesments ▾ Events ▾ Portfolio ▾ Grades ▾ Reports ▾ Log Out

My Courses

Manage Profile

Forum/Chat Rooms

Report a bug

Notifications

Manage Portfolio

Upload Document

Type CV

Name 2023 - CV

Upload

Search

Choose	Document Names	Delete / Download
<input checked="" type="radio"/>	2023 - CV	
<input type="radio"/>	Project 1	
<input type="radio"/>	Project 2	

Create Portfolio

Search

Document Names	Delete / Download / Share
2023 - CV	
Project 1	
Project 2	