

Master Team Project Summer 2024

“Eduly”

Milestone 1

Team 2

Keshav Upadhyaya (keshav-dineswara.upadhyaya@informatik.hs-fulda.de)	Team Lead
Sagnik Bhattacharya	GitHub Master
Aashay Ajay Markale	Backend Lead
Advaith Hari Raj Lakshmi	Frontend Developer
Ayush Pravin Shetty	Backend Developer
Ammar Ansari	Frontend Lead

Date: 13.05.2024

Date Submitted	Date Revised
13.05.2024	

Executive Summary

Motivation and Importance:

Eduly meets the modern demand for tailored and accessible education, enabling students to connect with tutors anytime, anywhere. This platform offers a personalized learning experience, addressing the unique needs of each student and eliminating geographical and financial barriers to education.

Functions and Services:

Eduly facilitates a seamless connection between students and tutors, enabling students to find tutors based on specific criteria such as expertise, availability, and learning goals. The platform features tutor profiles, real-time messaging for instant communication, and a community forum where both students and tutors can engage in broader educational discussions. These key functionalities are designed to enhance user interaction and support the educational process effectively.

Uniqueness and Value:

Eduly stands out due to its robust set of features designed to enhance the educational experience. The platform offers advanced search capabilities, allowing students to find tutors based on a variety of detailed filters such as expertise, availability, ratings, and hourly charges. Unique to Eduly are the live face-to-face sessions, community forums for broader interaction, free trial sessions to assess tutor compatibility, and discounts on group sessions, making learning both accessible and community oriented.

About the Team:

Developed by a team of six skilled software engineers, each specializing in various aspects of the project, Eduly leverages our deep understanding of technology and education. We are committed to revolutionizing the educational landscape, making learning more engaging and effective.

By investing in Eduly, you are supporting a visionary project set to redefine educational engagement and accessibility. Our platform promises to deliver significant educational benefits, meet evolving learning demands, and offer a valuable resource for both learners and educators. Join us in shaping the future of education, making it more personalized, accessible, and in tune with the needs of today's digital world.

Personae and Main Use Cases

Personae:

Student Persona - Juan Casillas

- Characteristics: Juan is a master's student studying Angewandte Informatik at Hochschule Fulda. He is also part of a team that developed the game Duck Paradox, available on Steam.
- Goals: Juan aims to enhance his knowledge of Unity and C# programming to improve Duck Paradox.
- Skills: Basic skills in Unity and C# programming, some experience in game development.
- Pain Points: Juan's busy schedule with studies and a part-time job limits his time for skill improvement despite having the resources.

Tutor Persona - Mr. Muller

- Characteristics: Mr. Muller is a teacher at Hochschule Fulda with expertise in Economics, targeting master's students.
- Goals: He seeks a platform to display his expertise and connect with students globally.
- Skills: Experienced educator with 15 years of teaching.
- Pain Points: Mr. Muller struggles with visibility and schedule management to attract new students to his tutoring services.

Student Persona - Divya

- Characteristics: Divya is a proactive computer science student who enjoys learning new skills and seeks personalized support.
- Goals: Deepen understanding in computer science topics, stay ahead in coursework, and access live sessions with tutors.
- Skills: Tech-savvy and proactive in seeking resources.
- Pain Points: Divya faces challenges in grasping complex concepts and requires personalized guidance for better comprehension.

Guest Persona

- Characteristics: As a guest, the user is interested in finding tutoring services but has not registered on the platform yet.

- Goals: To explore available tutors and services offered on the platform without committing to a registration.
- Skills: Basic internet navigation skills.
- Pain Points: Limited access to certain features and inability to fully engage with tutors without creating an account.

Administrator Persona

- Characteristics: The administrator manages the Eduly platform, focusing on smooth operation and user satisfaction.
- Goals: Maintain a high-quality learning environment, resolve user issues promptly.
- Skills: Proficient in platform management tools, effective communication, and problem-solving.
- Pain Points: Balancing user needs while upholding platform standards, addressing technical issues, and managing user inquiries efficiently.

Main Use Cases:

- **Use Case 1 - Student (Flexible Tutors)**

Juan explores the Eduly platform, seeking tutors who specialize in Unity and C# programming and offer flexible scheduling options to accommodate his busy lifestyle.

He compares the pricing and availability of various tutors listed on the platform, ensuring they fit within his budget and can work around his college and work commitments.

- **Use Case 2 - Tutor (Adding Teaching Teaser Videos)**

Mr. Muller, eager to attract more students to his tutoring services, logs onto the Eduly platform. He navigates to his profile settings and finds the option to add teaching teaser videos.

Utilizing his teaching experience, Mr. Muller records short videos demonstrating his teaching style. He ensures the videos are engaging and informative, providing potential students with a glimpse of his teaching approach.

Prospective students visiting his profile can now watch these teaser videos to better understand Mr. Muller's teaching methods

- **Use Case 3 - Student (Finding a Tutor and live session)**

Divya, determined to find a suitable tutor for her computer science studies, visits the Eduly platform. She browses through the list of available tutors and notices that each tutor's profile includes ratings and reviews from past students.

Divya clicks on a tutor's profile who offers tutoring in this subject and watches the teaser videos they have uploaded. Impressed by the teaser videos, Divya feels confident that the tutor's teaching style aligns with her learning preferences. She proceeds to schedule a live session with the tutor.

- **Use Case 4 - Guest (Exploring Available Tutors)**

The guest user visits the Eduly platform to explore tutoring services. Utilizing basic internet navigation skills, they filter tutors based on subjects and read descriptions to understand their teaching styles.

The guest user examines ratings and reviews left by previous students to gauge the quality of tutoring services. Despite being unable to fully engage with tutors or access all features without registering, the guest gains valuable insight into the platform's offerings.

- **Use Case 5 - Administrator (Platform Management and Support)**

The administrator monitors platform activities and user interactions to ensure compliance with guidelines. They handle user inquiries and technical issues promptly, providing support to maintain user satisfaction.

Utilizing platform tools, the administrator verifies tutor credentials and approves new tutor registrations. Implementing updates and optimizations, they enhance the platform's functionality to provide a better user experience.

List of main data items and entities

1. Tutor:
 - a. Profile information (name, contact details, bio, CV)
 - b. Pricing information
 - c. Availability Schedule
 - d. Uploaded content (images, videos, audio recordings)
 - e. Reviews and ratings
 - f. Polls where students request a course

2. Student:
 - a. Profile information (name, email, password)
 - b. Preferences (preferred subjects, learning goals)
3. Administrator:
 - a. Dashboard access
 - b. Approval status for tutor profiles
 - c. Can read/update/delete any post
4. Community Forums:
 - a. Discussion threads
 - b. User posts (Questions and Answers)
5. Messaging System:
 - a. Messages between users and tutors

List of initial functional requirements

The app should allow an **administrator** to:

1. View the list of tutor profiles pending approval.
2. Approve tutor profiles before going live.
3. View the list of all the tutors, students, and all the content uploaded by them including images, messages, and other documents.
4. Delete inappropriate content or users.
5. Block offenders from re-registering on the website.

The app should allow a **visitor** to:

1. View the home page (with listed tutors and their info).
2. Register as a tutor or a student with their Fulda University email address.

The app should allow a **student** to:

1. Log in to the application.
2. Set preferences for topics and other parameters mentioned below.
3. View recommended tutors/topics on the home page.
4. Search for tutors based on various parameters such as location, pricing, ratings, availability (days of the week, hours), topic, language of instruction, experience, and number of active students.
5. Sort the tutors based on the above parameters as well.
6. View the introductory video of the tutor.

7. Book a free trial session by selecting the date, time, location (online / in-person).
8. Buy further tutor sessions.
9. Write a review & rate the tutor.
10. Delete their student profile.

The app should allow a **tutor** to:

1. Log in to the application.
2. Create a profile with all the necessary information like topics, schedule, experience, CV, intro / teaser video.
3. View the number of students registered for each topic and session.
4. View upcoming tutoring or trial session appointments.
5. Reschedule or cancel sessions.
6. Post pre-recorded content.
7. Make a private forum for only their students.
8. Delete their tutor profile.

The app should allow **students and tutors** to:

1. Participate in a video conference directly from the app without needing a third-party application.
2. Receive in-app reminders/notifications of their upcoming meetings.
3. Communicate with each other via asynchronous messaging.
4. Chat live with each other.
5. Ask questions in the community forum.
6. Answer others' questions.
7. Upvote others' answers or questions.
8. Edit their questions or answers.

List of non-functional requirements

1. Application shall be developed, tested, and deployed using tools and servers approved by Class CTO and as agreed in M0 (some may be provided in the class, some may be chosen by the student team, but all tools and servers have to be approved by Class CTO).
2. Application shall be optimized for standard desktop/laptop browsers e.g., must render correctly on the two latest versions of two major browsers.

3. All or selected application functions must render well on mobile devices.
4. Data shall be stored in the database on the team's deployment server.
5. No more than 50 concurrent users shall be accessing the application at any time.
6. The privacy of users shall be protected, and all privacy policies will be appropriately communicated to the users.
7. The language used shall be English (no localization needed).
8. The application shall be very easy to use and intuitive.
9. Application should follow established architecture patterns.
10. Application code and its repository shall be easy to inspect and maintain.
11. Google Analytics shall be used (optional).
12. No e-mail clients shall be allowed. Interested users can only message to sellers via in-site messaging.
13. Pay functionality, if any (e.g., paying for goods and services) shall not be implemented nor simulated in UI.
14. Site security: basic best practices shall be applied (as covered in the class) for main data items.
15. Media formats shall be standard as used in the market today.
16. Modern SE processes and practices shall be used as specified in the class, including collaborative and continuous SW development.
17. The application UI (WWW and mobile) shall prominently display the following exact text on all pages "Fulda University Software Engineering Project Summer 2024. For Demonstration Only" at the top of the WWW page. (Important to not confuse this with a real application).

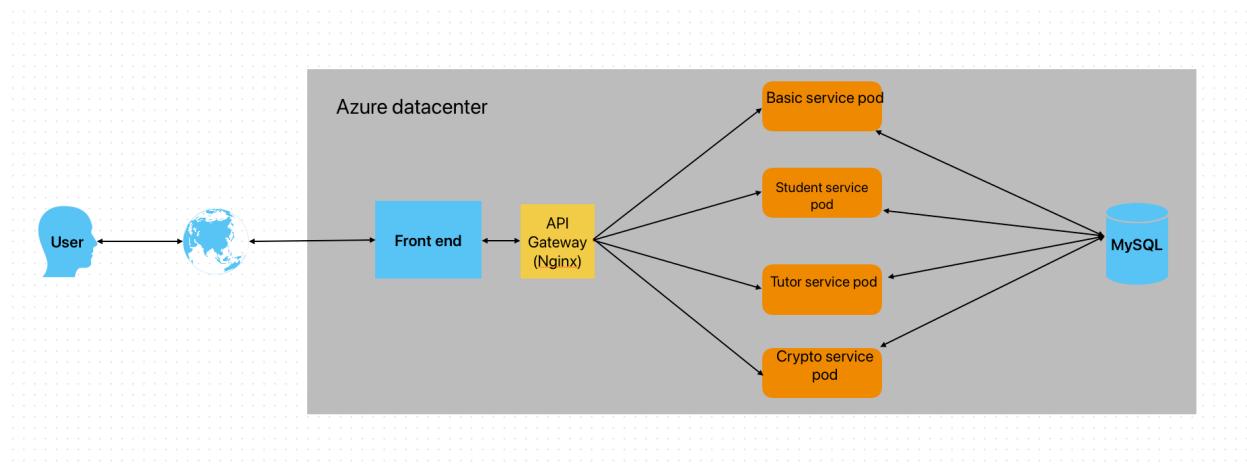
Competitive analysis

Categories	Features	Eduly	Wyzant	Preply	MyTutor	TutorMe	Skooli
Discovery	Search	Versatile	Yes	Yes	Limited	Limited	Limited
	Tutor intro video	Yes	Yes	Yes	No	No	No
	Ratings	Yes	Yes	Yes	Yes	Yes	Yes
	Trial session	Yes	Yes	Yes	Limited	No	No
	In-person meetings	Yes	Yes	No	No	No	No
Interactivity	Forums	Yes	Yes	No	No	No	No
	Live sessions	Yes	Yes	Yes	Yes	Yes	Yes

	Live chat	Yes	Yes	Yes	Yes	Yes	Yes
	Group sessions	Yes	No	No	No	No	No
Payments	Structure	Hourly	Hourly	Per lesson	Hourly	Salary	Per plan
	Group session discount	Yes	N/A	N/A	N/A	N/A	N/A

Our market analysis shows that Eduly stands out in the market as the only platform which offers **all** the best features offered by other competitors. With industry-leading features like *Forums* and *Group sessions*, Eduly sweeps out the competition by a large margin. Our *Search* function cements Eduly's strong focus on building student-tutor connections in a versatile but pragmatic way. Eduly takes tutoring a step further with *In-person meetings* as it eliminates the confines of the digital screen, leading to better student-tutor connections and making learning and tutoring even more interactive and fun!

High-level system architecture and technologies used



- Server Host: Azure Linux VM B1s (1 vCPU, 1 GB RAM)
- Operating System: Ubuntu 22.04 Server
- Database: MySQL v8.3.0
- Web Server: NGINX v1.20.1
- Server-Side Language: Java
- Backend framework: Spring
- Frontend framework: React + TypeScript

Supported browsers: Google Chrome, Mozilla Firefox

Team and Roles

Name	Role
Keshav Upadhyaya	Team Lead / Frontend Developer
Sagnik Bhattacharya	GitHub Master / Backend Developer
Aashay Ajay Markale	Backend Lead
Advaith Hari Raj Lakshmi	Frontend Developer
Ayush Pravin Shetty	Backend Developer
Ammar Ansari	Frontend Lead

Checklist

- The team found a time slot to meet (online) outside of the class. **DONE**
- GitHub master chosen. **DONE**
- The team decided and agreed together on using the listed SW tools and deployment server. **DONE**
- Team ready and able to use the chosen back and front-end frameworks and those who need to learn are working on learning and practicing. **ON TRACK**
- The team lead ensured that all team members read the final M1 and agreed/understood it before submission. **DONE**
- GitHub is organized as discussed in class. **DONE**

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Milestone 2

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Aashay Ajay Markale	Backend Lead
Advaith Hari Raj Lakshmi	Frontend Developer
Ayush Pravin Shetty	Backend Developer
Ammar Ansari	Frontend Lead

Date: 02.06.2024

Date Submitted	Date Revised
02.06.2024	06.06.2024

Functional Requirements

Priority 1

The app should allow an **administrator** to:

1. View the list of tutors' profile image, intro video & CV where approval is pending.
2. View the list students' and their profile images where approval is pending.
3. Approve / delete the above content before going live.
4. Ban malicious users.

The app should allow a **visitor** to:

5. Search for tutors and view their details like how a student would.
6. View community forums.
7. Register as a tutor or a student with their Fulda University email address.

The app should allow a **student** to:

8. Log in to the application.
9. Search for tutors based on various parameters such as pricing, ratings, availability (days of the week, hours), topic and language of instruction.
10. Sort the tutors based on pricing, ratings or popularity.
11. View the introductory video of the tutor, CV, reviews and calendar.
12. Book sessions by selecting the date and time (the first session is trial).
13. Send/read messages to/from a tutor.
14. Access the tutor's BigBlueButton personal meeting room link on the specified date and time to join the meeting.
15. Write a review & rate the tutor.
16. Edit profile image.

The app should allow a **tutor** to:

17. Sign up or log in to the application.
18. Create a profile with all the necessary information like topics, schedule, CV, intro/teaser video, intro text, pricing, language of instruction & BigBlueButton(webconf.hs-fulda.de) personal meeting room link.
19. Edit their profile details.

20. View upcoming tutoring or trial session appointments & join meeting with BigBlueButton.
21. Send/read messages to/from a student.

The app should allow **students and tutors** to:

22. Ask questions in the community forum.
23. Answer others' questions.
24. View questions and answers.

Priority 2

The app should allow an **administrator** to:

1. Search students / tutors by name.
2. Block offenders from re-registering on the website.

The app should allow a **tutor** to:

3. View the number of students registered for each topic and session and other insights.
4. Reschedule or cancel sessions.

The app should allow **students and tutors** to:

5. Participate in a video conference.
6. Receive in-app reminders/notifications of their upcoming meetings.
7. Upvote others' answers or questions.
8. Edit their questions or answers.
9. Delete their profile.

Priority 3

The app should allow an **administrator** to:

1. View and delete messages from community forums.

The app should allow a **student** to:

2. Set preferences for topics and other parameters mentioned below.

3. View recommended tutors/topics on the home page.
4. Book and attend offline tutoring sessions.

The app should allow a **tutor** to:

5. Post file/video content (assignments/study material). (P3) *Note: This is P3 since it also involves controlling who can access the content uploaded and classifying content as study material or assignments. Things like whether the content should be accessible to the entire group or a single student in a 1:1 session must be considered.*
6. Make a private forum for only their students. (P3)
7. Handle group sessions. (P3)

Use Cases

Use Case 1 – Student (Juan)

Juan wants to learn C# since he wants to be a game developer.

- He opens the “eduly” website.
- He searches for C#.
- He is presented with a list of tutors.
- He has a budget of 20 Euros and prefers to take classes on Monday. So, he filters the tutors based on these criteria.
- After browsing, he finds a tutor who seems to fit his needs.
- He is impressed by the tutor’s intro video and reviews.
- He tries to contact the tutor by messaging him for a few clarifications.
- He is then asked to create an account with “eduly”.
- He enters his name, email and password and successfully creates an account.
- He then chats with the tutor to get more information.
- He then books a trial session with the tutor by selecting a specific date and time.
- On that date, he navigates to his profile page to see his upcoming meetings and join his session (via BigBlueButton[<https://webconf.hs-fulda.de/>] since all who log in belong to Fulda University).
- He seems to be happy with the tutor and books further appointments.
- He also leaves a 5-star rating and a positive review.

Use Case 2 – Tutor (Mr. Mueller)

Mr. Mueller wants to teach Physics.

- Mr Mueller opens the "eduly" website and signs up as a tutor.
- He completes his profile page with his topics, availability, CV, intro/teaser video, pricing, language of instruction, BigBlueButton[webconf.hs-fulda.de] personal meeting room link and profile image.
- After registration, he submits his profile for admin approval.
- Once approved, his profile goes live on the platform.
- He replies to a few queries from prospective students via messages.
- On his profile page, he views his upcoming appointments.
- On the scheduled appointment date, he joins the meeting by going to his BigBlueButton meeting link.
- He then uploads a new intro video to attract more students.

Use Case 3 – Guest (Jane)

Jane wants to explore the “eduly” app.

- Jane opens the “eduly” website.
- She navigates through the homepage to understand the app's features.
- She searches for Spanish tutors to see the available options.
- Jane browses through the list of tutors and checks out a few profiles.
- She uses filters to refine her search by location, minimum and maximum prices, ratings, etc.
- Jane watches a couple of introduction videos to get a sense of the tutors' teaching styles.
- She reads the reviews and ratings left by other students.
- Jane tries to contact a tutor for more information and is prompted to create an account.
- She decides to explore the community forum to see what kind of discussions are happening.
- Jane looks at some of the questions and answers in the forum to understand the community.
- Satisfied with her exploration, Jane decides she will come back to register later.

Use Case 4 – Admin (Tim)

Tim wants to moderate all the content within “eduly” app

- Tim logs in to Eduly's admin dashboard
- He examines and accordingly approves the pending tutor requests on his dashboard.
- Then he proceeds to approve the pending profile picture requests from registered students.
- He finds one of the pictures offensive and decides to ban the student. This student's profile will now be locked until the ban is lifted. To unban he can visit view students -> search for student -> unban student.
- Tim also must approve the uploaded tutors' content. He goes to "Approve Tutor Content" which has 3 tabs – Profile Picture Uploads, Content Upload, Intro Video Upload. Tim can accordingly approve, reject or ban the tutor.

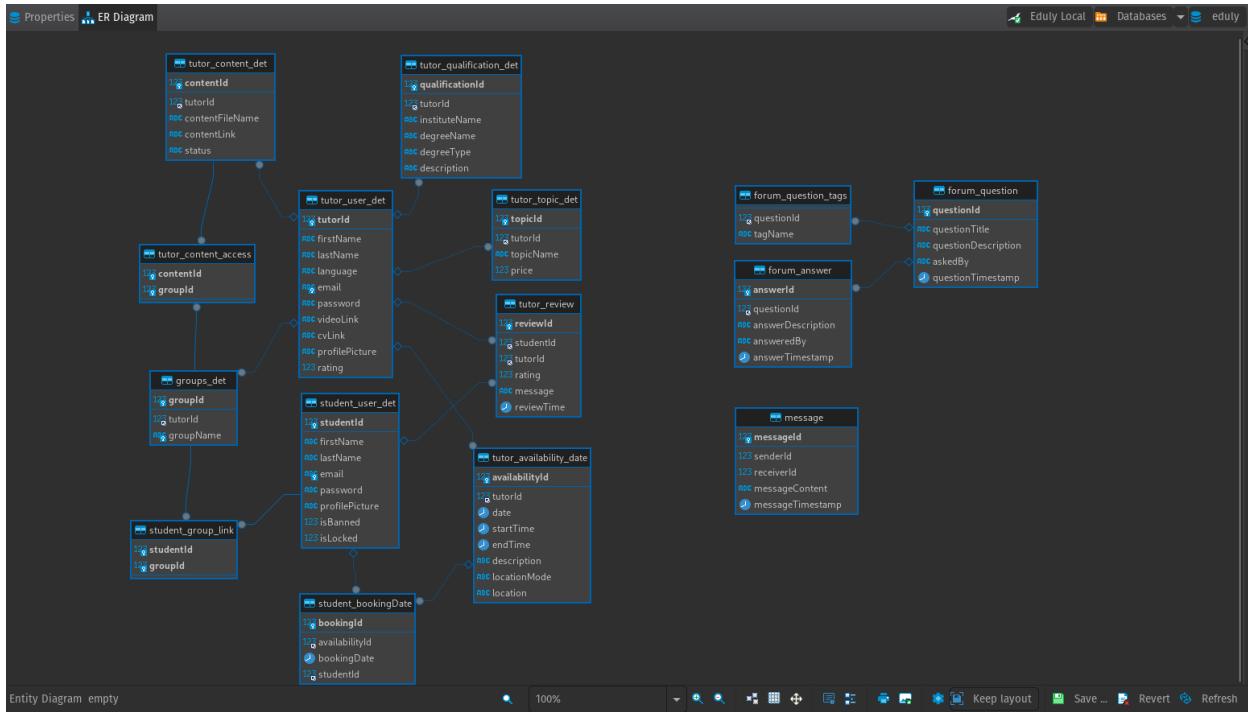
List of main data items and entities

1. Tutor:
 - a. Profile information (name, contact details, bio, CV)
 - b. Pricing information
 - c. Availability Schedule
 - d. Uploaded content (images, videos, audio recordings)
 - e. Reviews and ratings
2. Student:
 - a. Profile information (name, email, password)
 - b. Preferences (preferred subjects, learning goals)
3. Administrator:
 - a. Dashboard access
 - b. Approval status for tutor profiles
 - c. Can read/update/delete any post
4. Community Forums:
 - a. Discussion threads
 - b. User posts (Questions and Answers)
5. Messaging System:
 - a. Messages between users and tutors

UI Mockups and Storyboards

Can be found attached at the end of the document.

High-level architecture, Database Organization



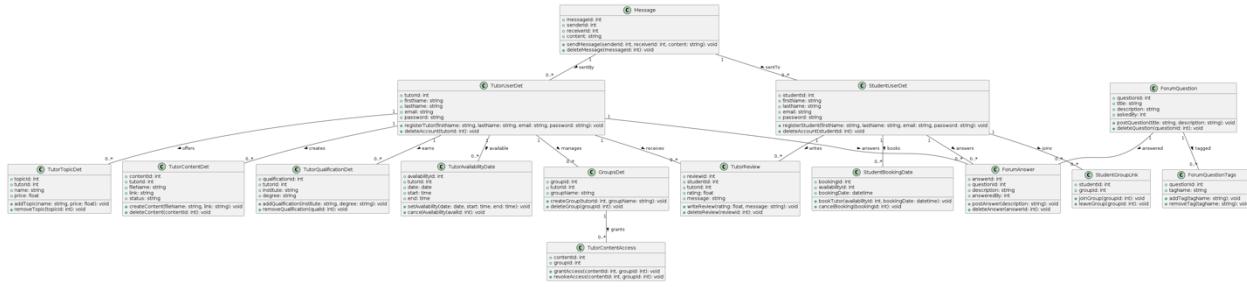
Search and Filter Algorithm

Jakarta persistence EntityManager will be used to connect our database with the backend application to handle database queries based on optional request parameters such as topic, pricingMin, pricingMax, and rating. We will execute a native SQL query and the returned rows from the DB will be sent to the frontend based on an agreed JSON format.

Storage

Actual content such as images, PDFs, and videos will be stored in Azure Blob Storage. The metadata to store and access information will be stored in the database.

High-Level UML Diagram



Key Risks

Skills Risks

Risk: Some team members lack experience in technologies like Spring Boot/React/Azure.

Mitigation: Use online resources and tutorials to accelerate learning. Help each other as required.

Schedule Risks

Risk: Uncertainty in meeting deadlines due to varied skill levels and learning curves / some member falls ill.

Mitigation: Implement a detailed project timeline with buffer periods for unforeseen delays. Conduct regular progress check-ins to ensure milestones are met.

Technical Risks

Risk: Potential technical challenges with integrating React with backend systems or other tools. For example, there might be a mismatch in the interfaces for the front-end and back-end.

Mitigation: Build a prototype to identify and resolve technical issues early. Allocate time for debugging and problem-solving in the project plan.

Teamwork Risks

Risk: Potential miscommunication or collaboration issues among team members with different skill sets and experiences.

Mitigation: Establish clear communication channels and regular meetings. Use collaborative tools (e.g., WhatsApp, Microsoft Teams, and GitHub Projects) to track tasks and ensure everyone is aligned.

Legal/Content Risks

Risk: Challenges in obtaining legally compliant content and software with proper licensing and copyright (e.g. images, videos, libraries/tools etc.).

Mitigation: Verify all content sources and software licenses before use.

Project Management

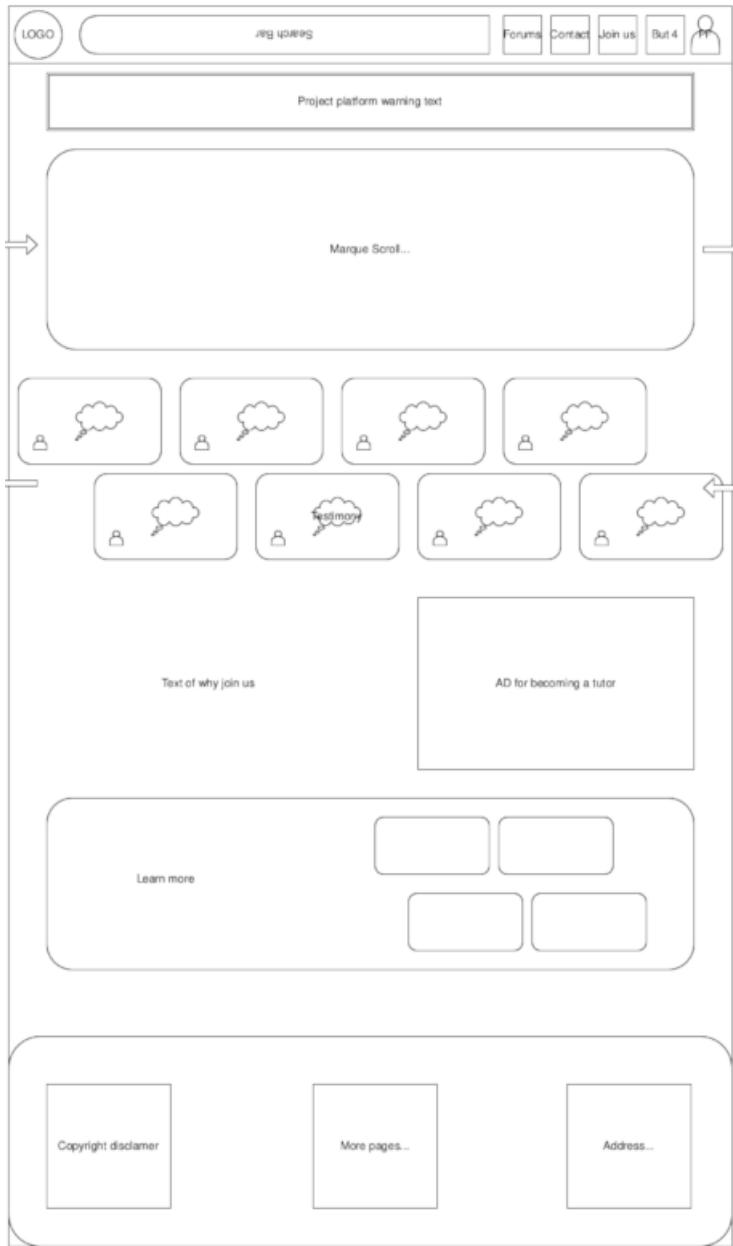
To effectively organize our tasks and work, we plan to utilize GitHub Projects. This tool allows us to create a project board where we can define and categorize tasks using columns such as "To Do," "In Progress," and "Done." Each task will be represented as an issue or a card, providing a clear overview of our workflow. By assigning tasks to team members and setting due dates, we can ensure accountability and track progress. Additionally, GitHub Projects integrates seamlessly with our repositories, enabling us to link code commits and pull requests directly to specific tasks, ensuring transparency and facilitating collaboration. Regular updates and reviews during our team meetings will help us stay on track and adapt to any changes or challenges that arise.

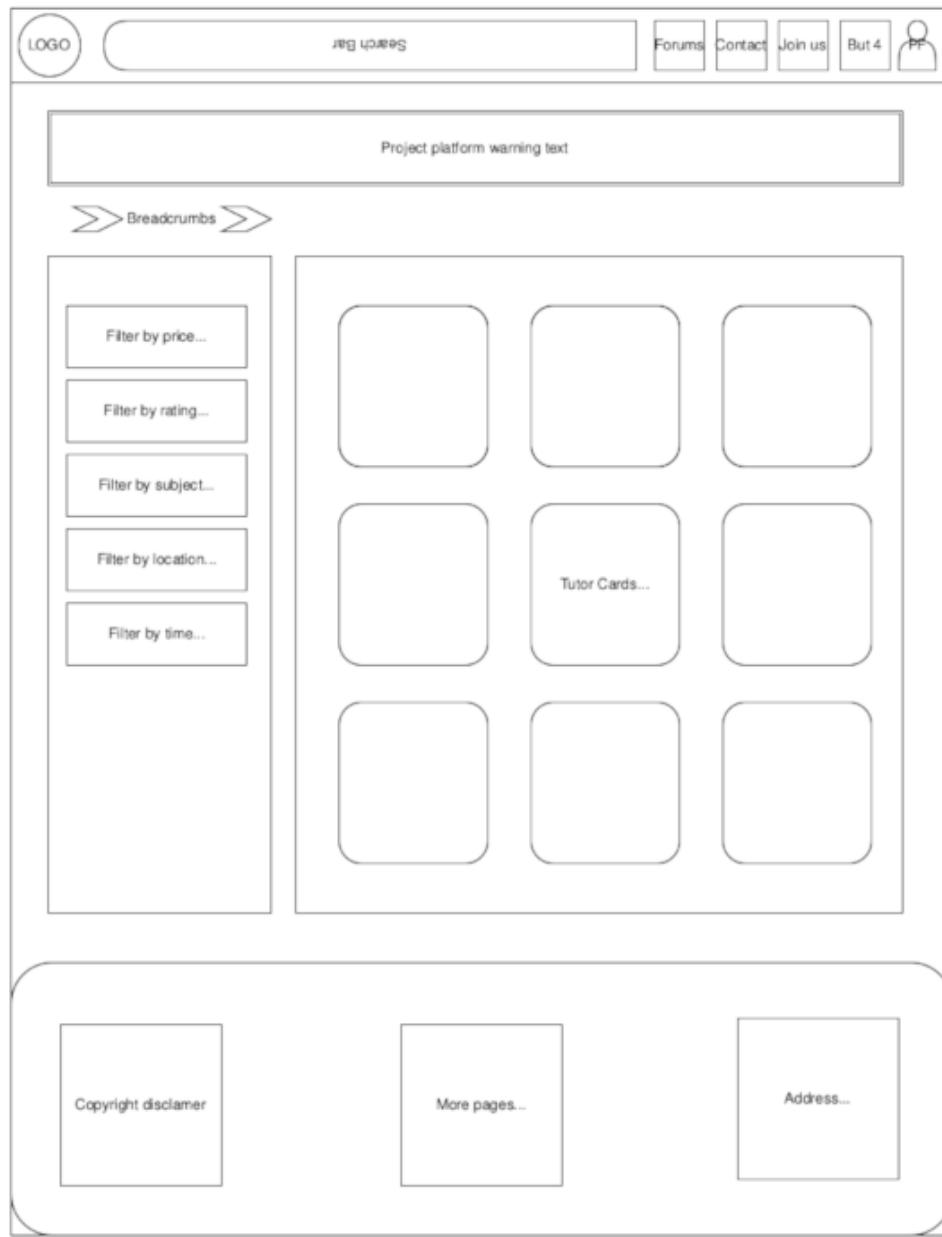
Distribution of work:

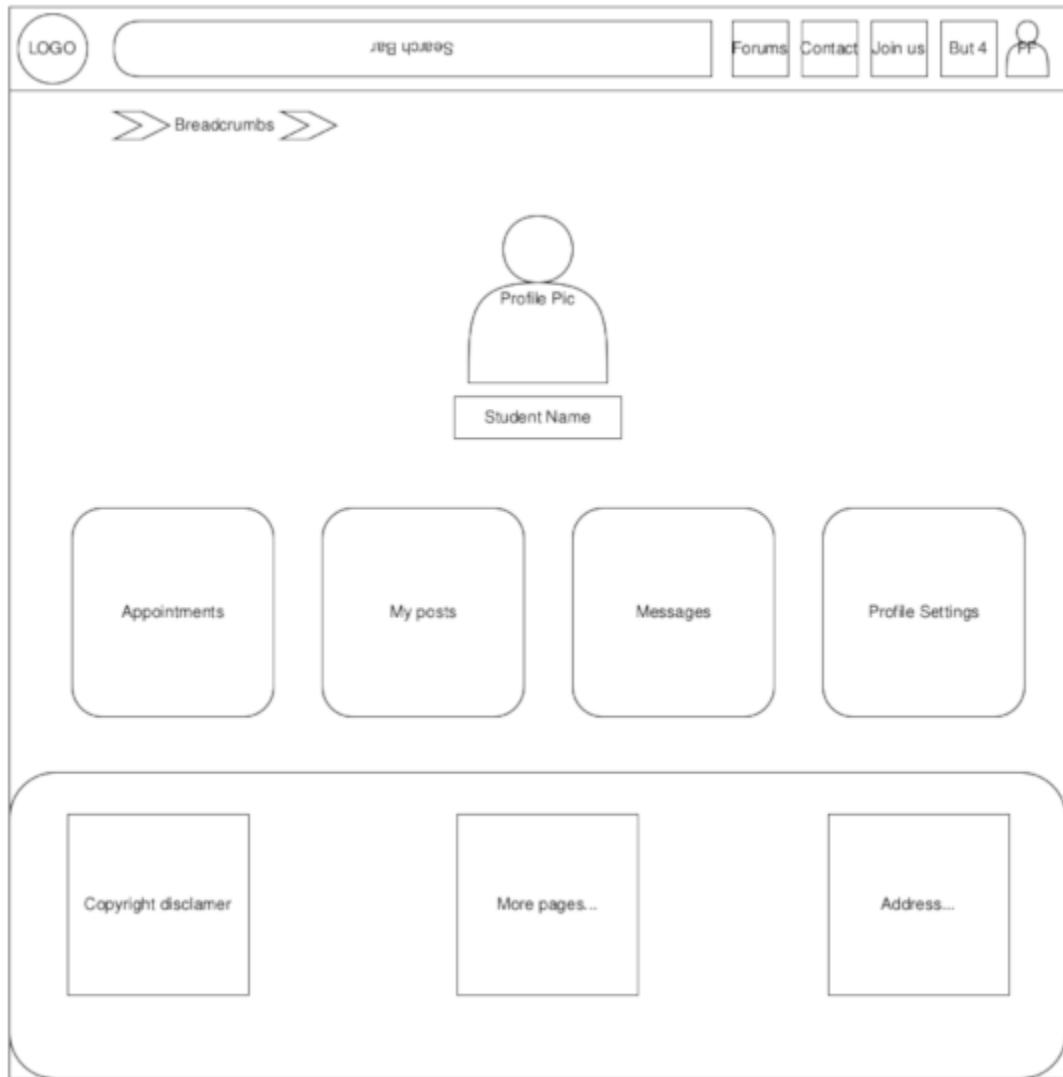
- Keshav: UI Mockups, Key Risks, Project Management
- Sagnik: UI Mockups, Database Design, UML
- Advaith: UI Mockups
- Ayush: UI Mockups, Database Design, UML
- Aashay: UI Mockups, Data Items & Entities, Database Design, UML
- Ammar: UI Mockups

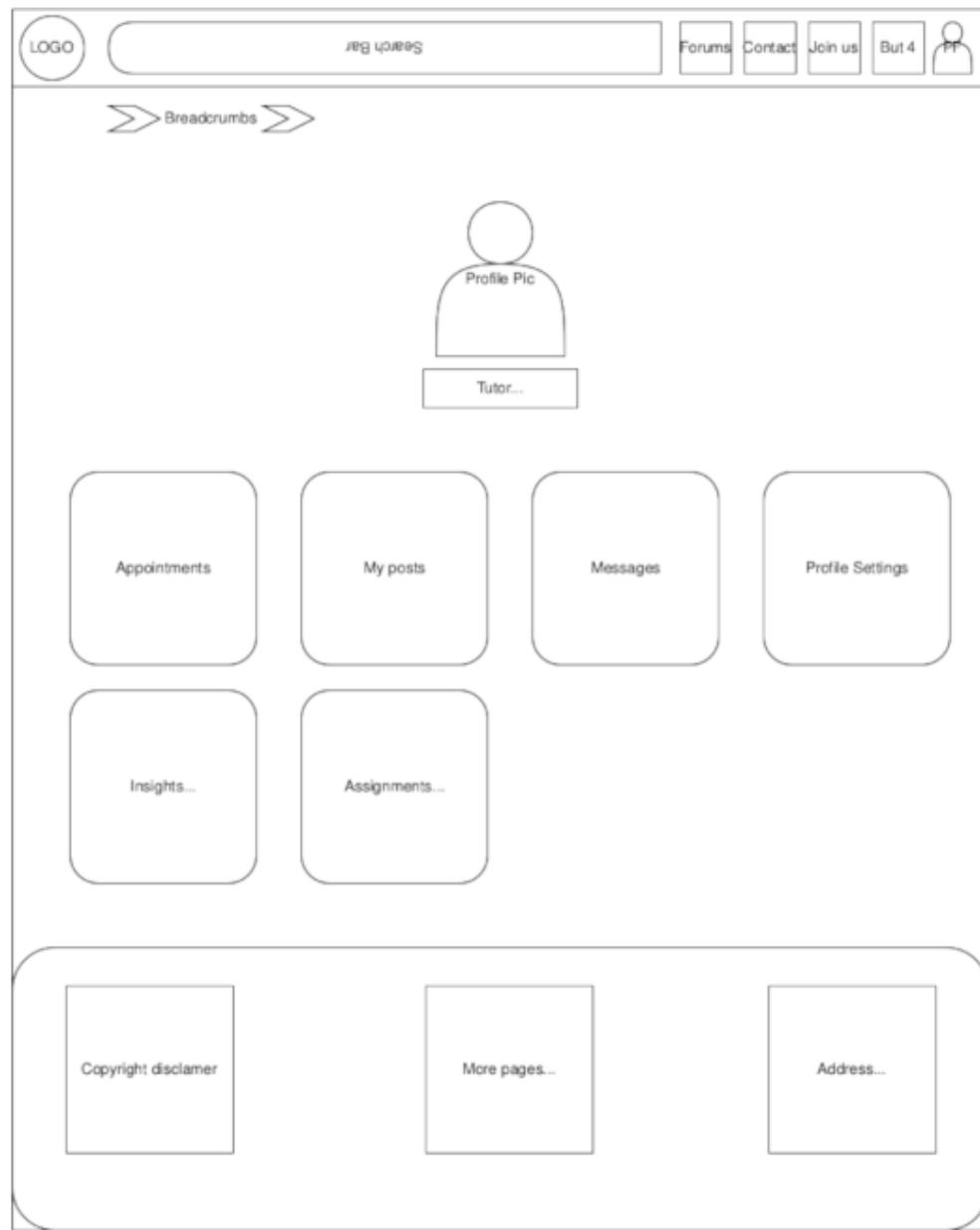
UI Mockups

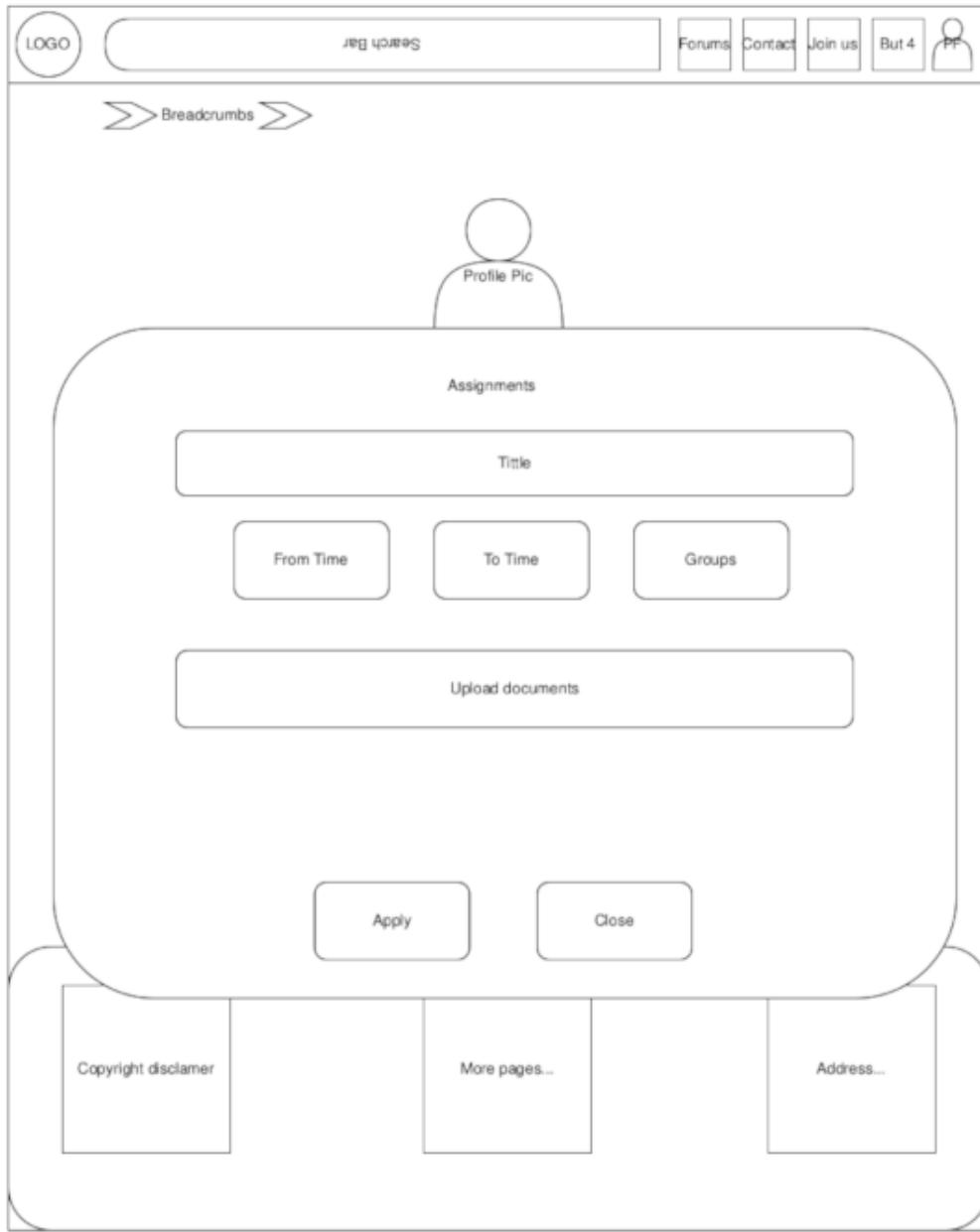
Common Pages

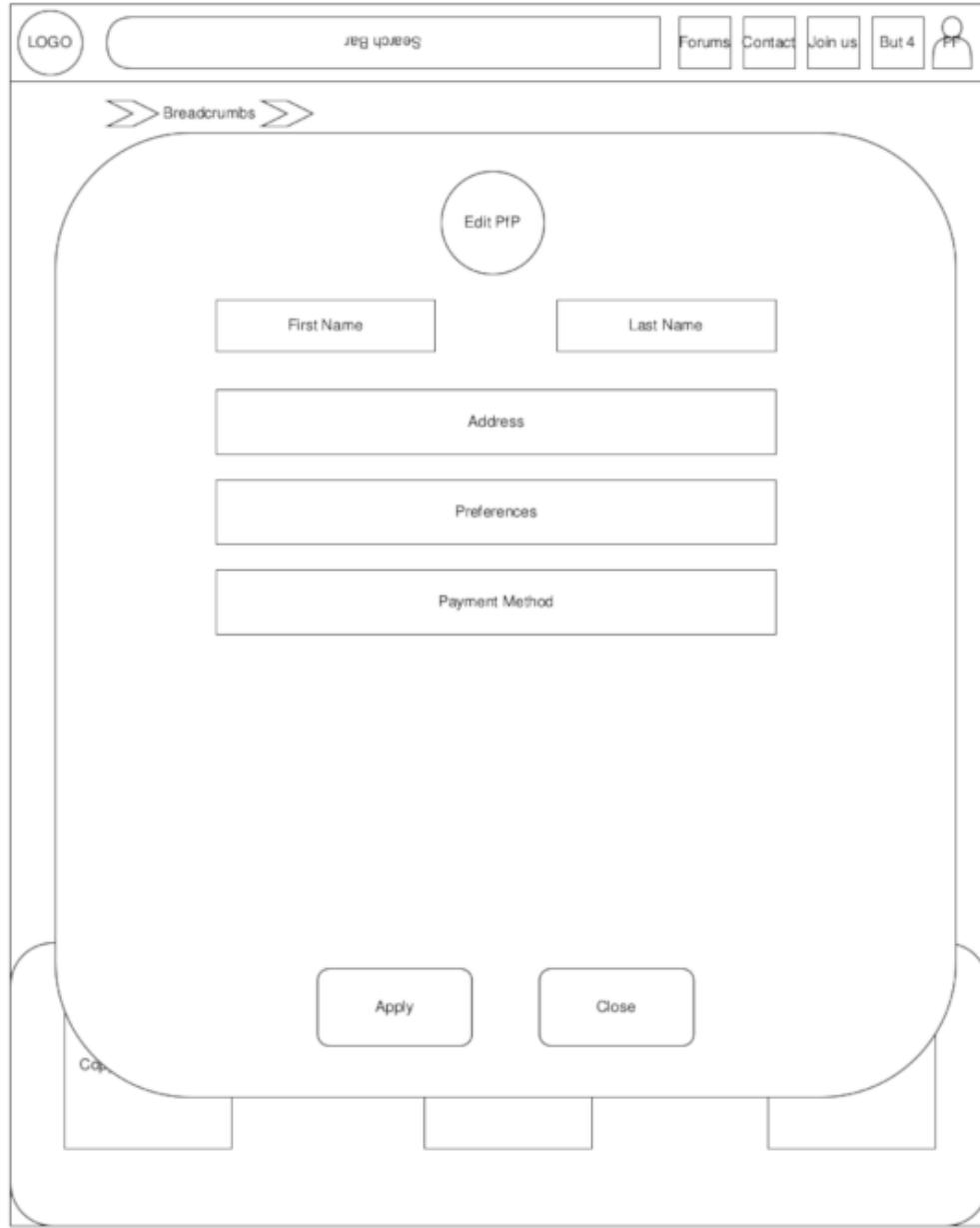


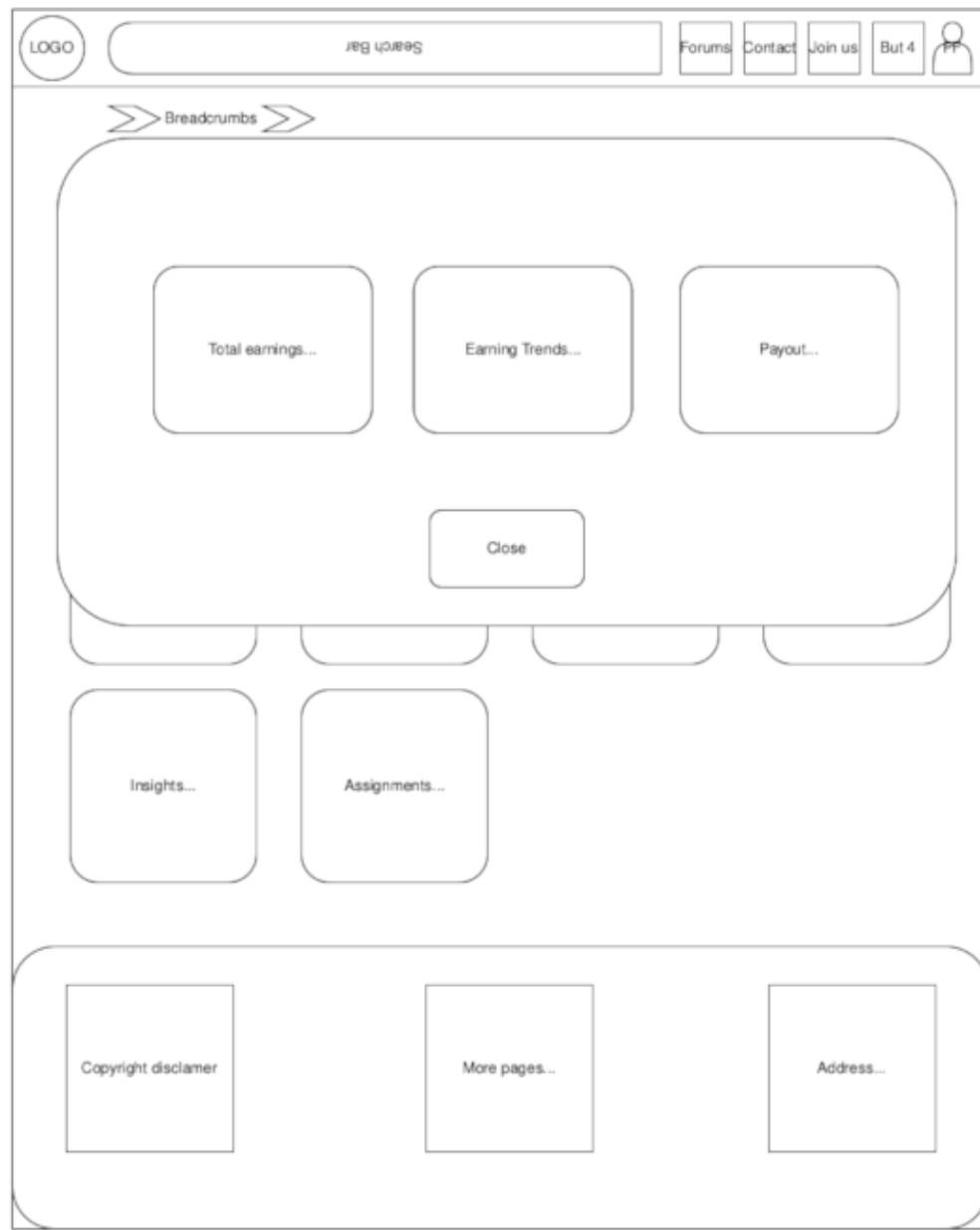


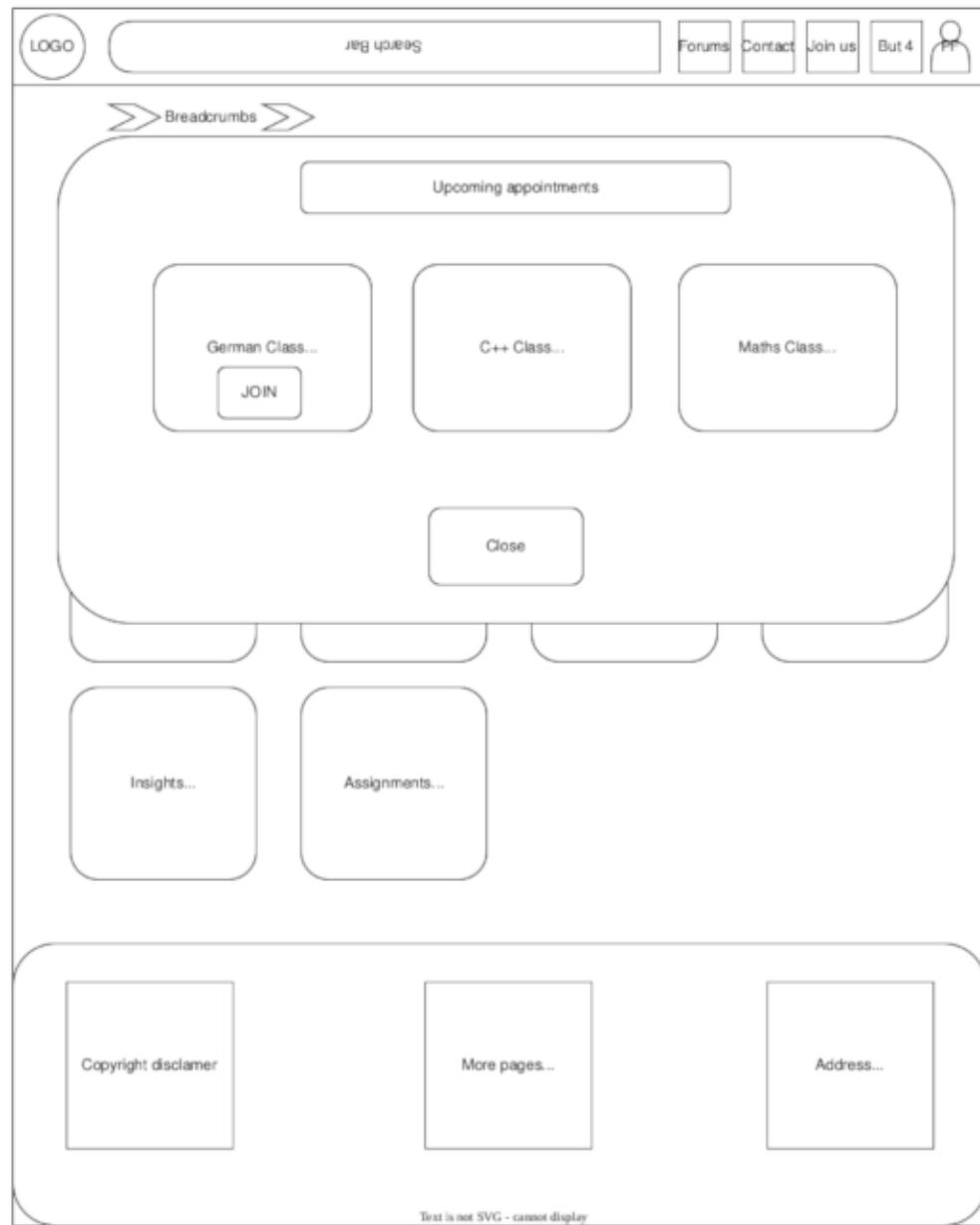


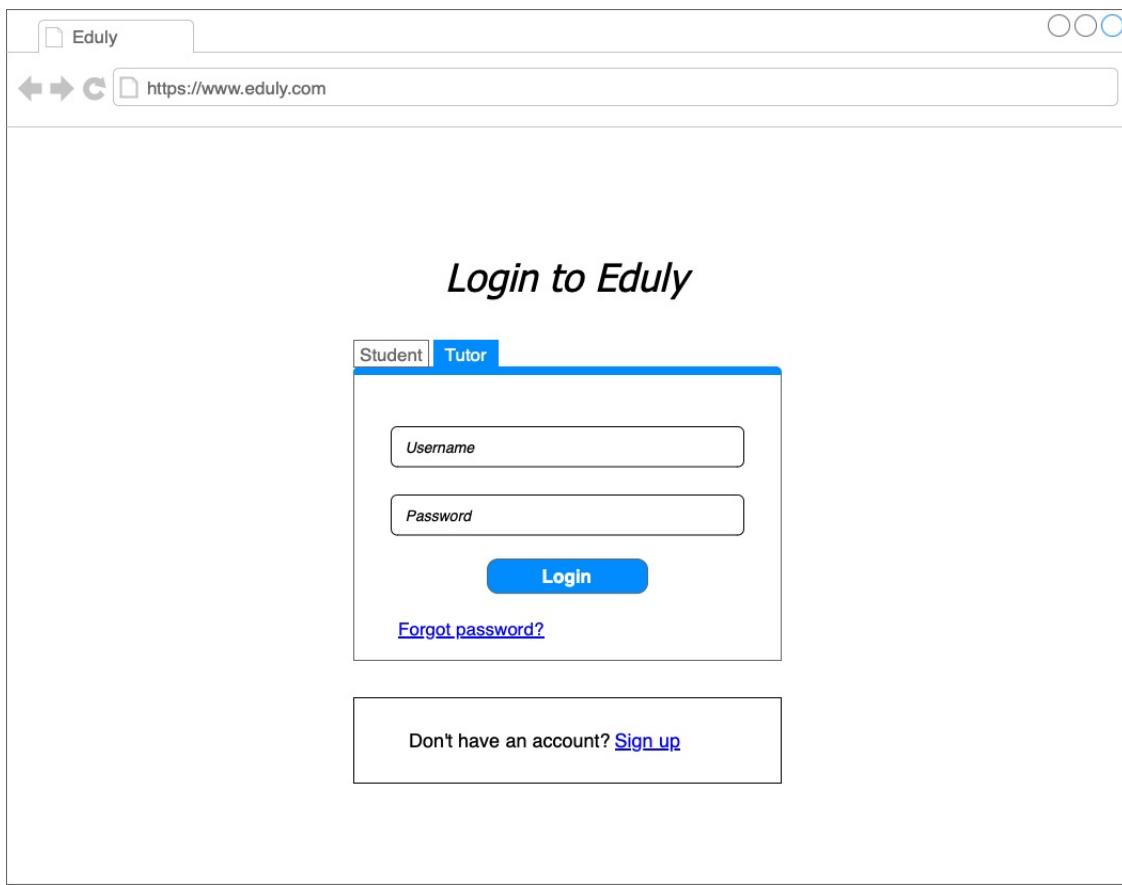












Eduly https://www.eduly.com

Profile

Students
Contents
Forums
Settings



Dr. Jane Doe

Email: jane.doe@domain.com

Topics: particle physics, astronomy, quantum mechanics

Online Timings: Every Tue, Thu from 21:00 to 22:00

Offline Timings: Every Sat from 14:00 to 17:00

CV: [CV.pdf \(2 MB\)](#)

Intro video: [intro.mp4 \(15 MB\)](#)

Qualifications:

- > Ph.D. from MIT in Physics.
- > 50+ papers on quantum mechanics.
- > Stanford Professor; ex-CERN Scientist.
- > Breakthrough and Kavli Prize winner.
- > Leads DUNE and EHT projects.

Appointments

October 2014

Mo	Tu	We	Th	Fr	Sa	Su
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	1	2	3	4
5	6	7	8	9	10	11

Update profile

Eduly https://www.eduly.com

Profile

Students

Contents
Forums
Settings

Student ID	Name	Groups
ed1001	Alex Johnson	group1, individual1
ed1002	Priya Kumar	group1
ed1003	Emily Chen	individual2

[Add student](#)
[Add group](#)
[Delete group](#)
[Link student to group](#)

Eduly https://www.eduly.com

Profile Students Contents Forums Settings

Student ID	Name	Groups
ed1001	Alex Johnson	group1, individual1
ed1002	Priya Kumar	group1
ed1003	Emily Chen	individual2

Add student Add group Delete group Link student

Add student

Student ID: Option 1

Group: individual

Cancel OK

Eduly https://www.eduly.com

Profile Students Contents Forums Settings

Student ID	Name	Groups
ed1001	Alex Johnson	group1, individual1
ed1002	Priya Kumar	group1
ed1003	Emily Chen	individual2

Add student Add group Delete group Link student

Add group

Enter name of the group

Cancel OK

Eduly https://www.eduly.com

Profile Students Contents Forums Settings

Student ID	Name	Groups
ed1001	Alex Johnson	group1, individual1
ed1002	Priya Kumar	group1
ed1003	Emily Chen	individual2

Add student Add group Delete group Link student

Delete group

Select the group to delete

group1

Cancel OK

Eduly https://www.eduly.com

Profile Students Contents Forums Settings

Student ID	Name	Groups
ed1001	Alex Johnson	group1, individual1
ed1002	Priya Kumar	group1
ed1003	Emily Chen	individual2

Add student Add group Delete group Link student

Link student to group

Student ID: Option 1

Linked groups:

group1
group2
 group3
individual

Cancel OK

Eduly https://www.eduly.com

Profile Students **Contents** Forums Settings

Uploaded content

Content	Groups	Moderation status	
video1.mp4	group1, individual1	Approved	Modify access Delete
book1.pdf	group3	Approved	Modify access Delete
program.exe	NONE	Pending	Delete

[Upload new content](#)

Eduly https://www.eduly.com

Profile Students **Contents** Forums Settings

Uploaded content

Content	Groups	Moderation status	
video1.mp4	group1, individual1	Approved	Modify access Delete
book1.pdf	group3	Approved	Modify access Delete
program.exe	NONE	Pending	Delete

[Upload new content](#)

Modify access to video1.mp4

Select groups to grant access:

group1
 group2
 group3
 individual

Cancel OK

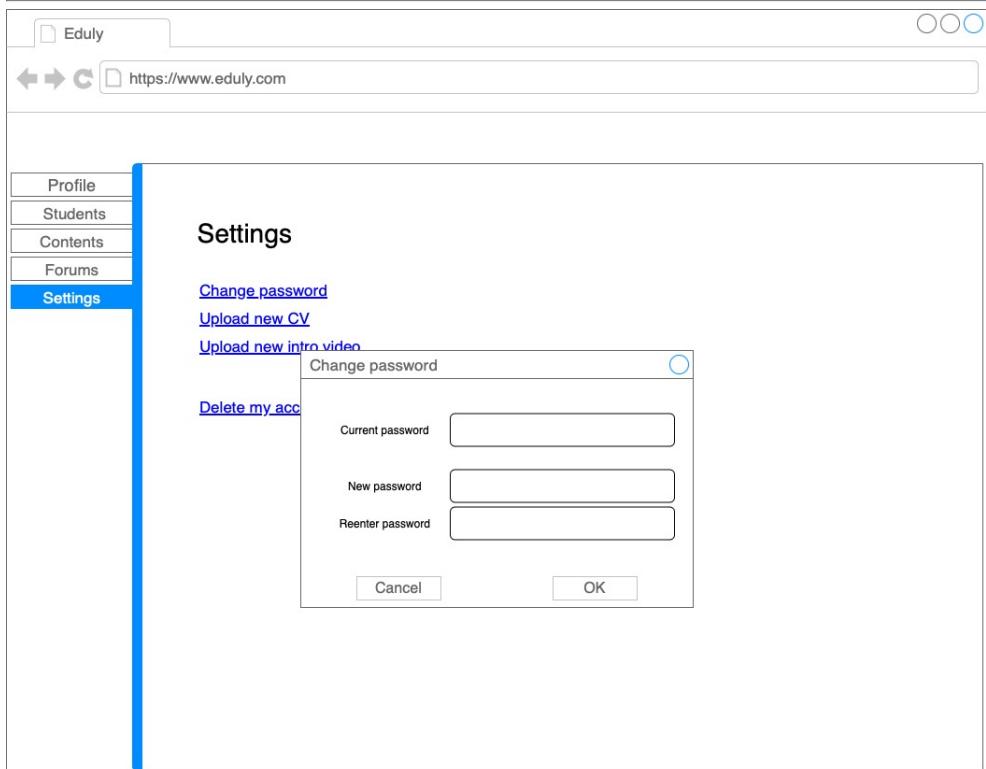
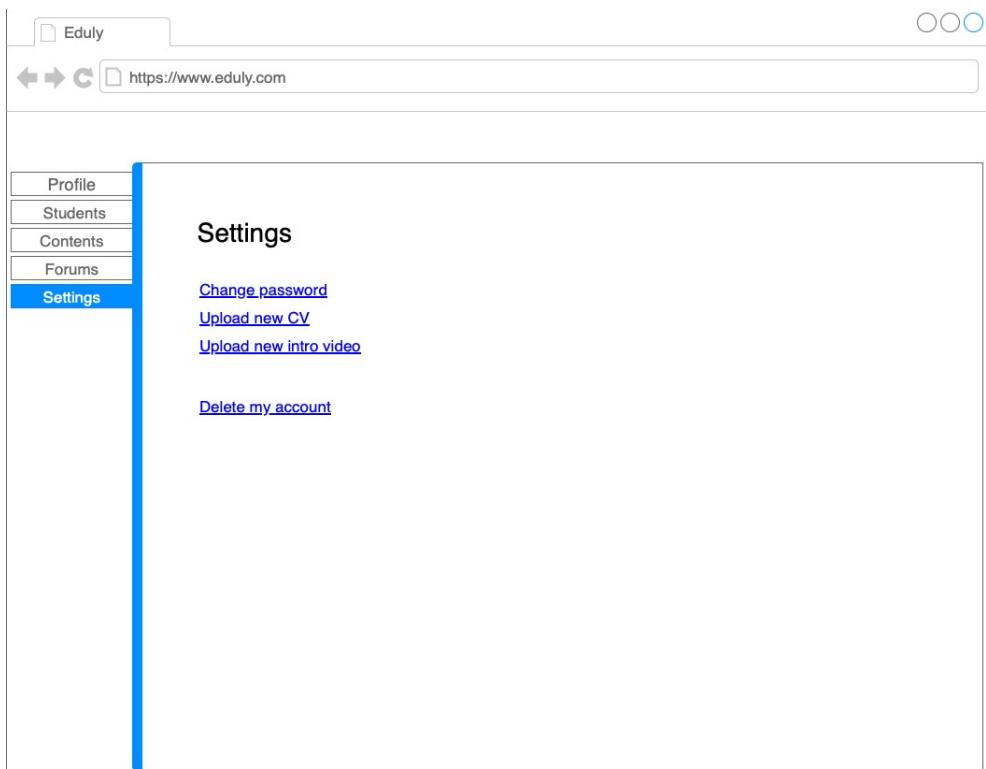
The screenshot shows the 'Uploaded content' page on the Eduly website. The left sidebar has 'Contents' selected. The main area displays a table of uploaded files:

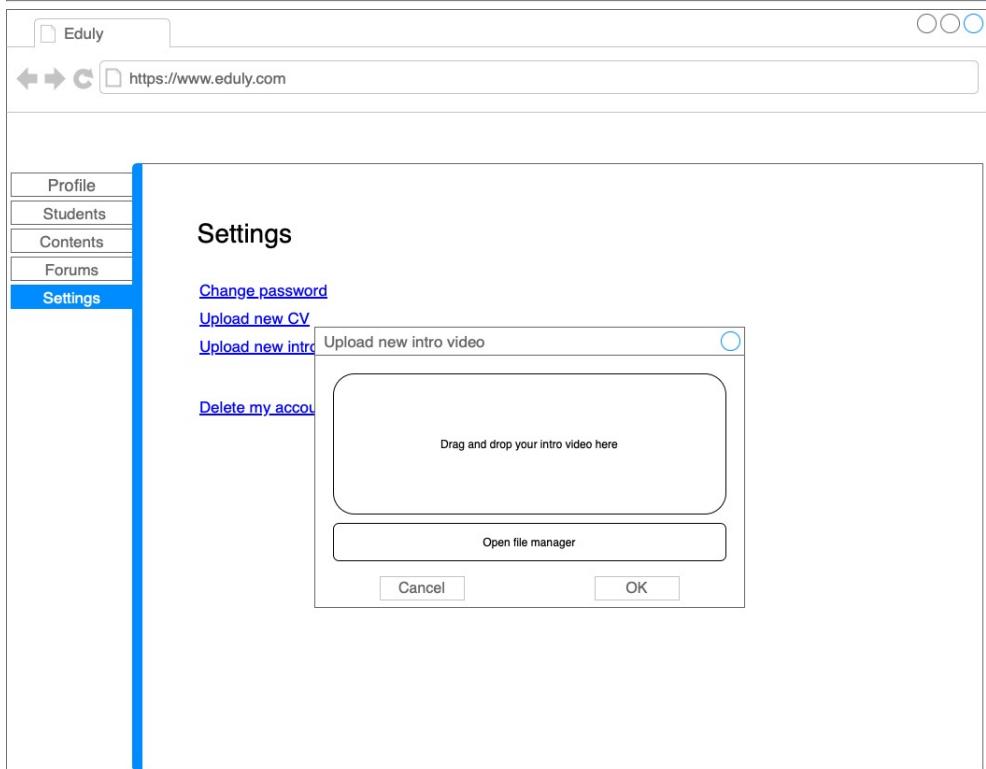
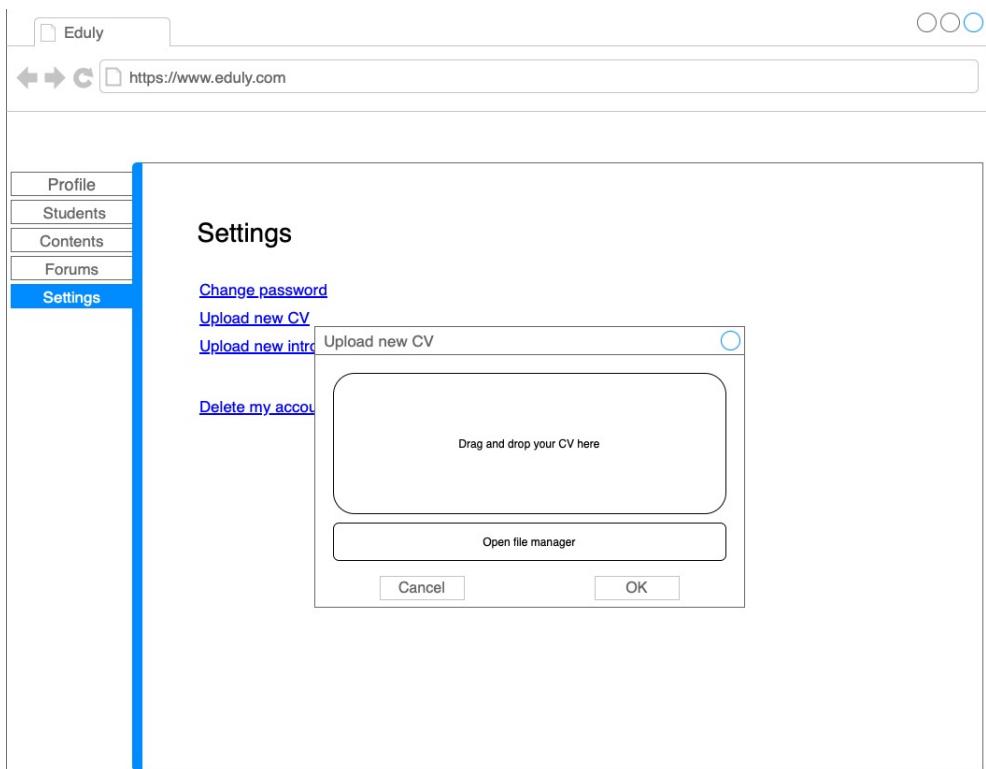
Content	Groups	Moderation status
video1.mp4	group1, individual1	Approved
book1.pdf	group3	Approved
program.exe	NONE	Pending

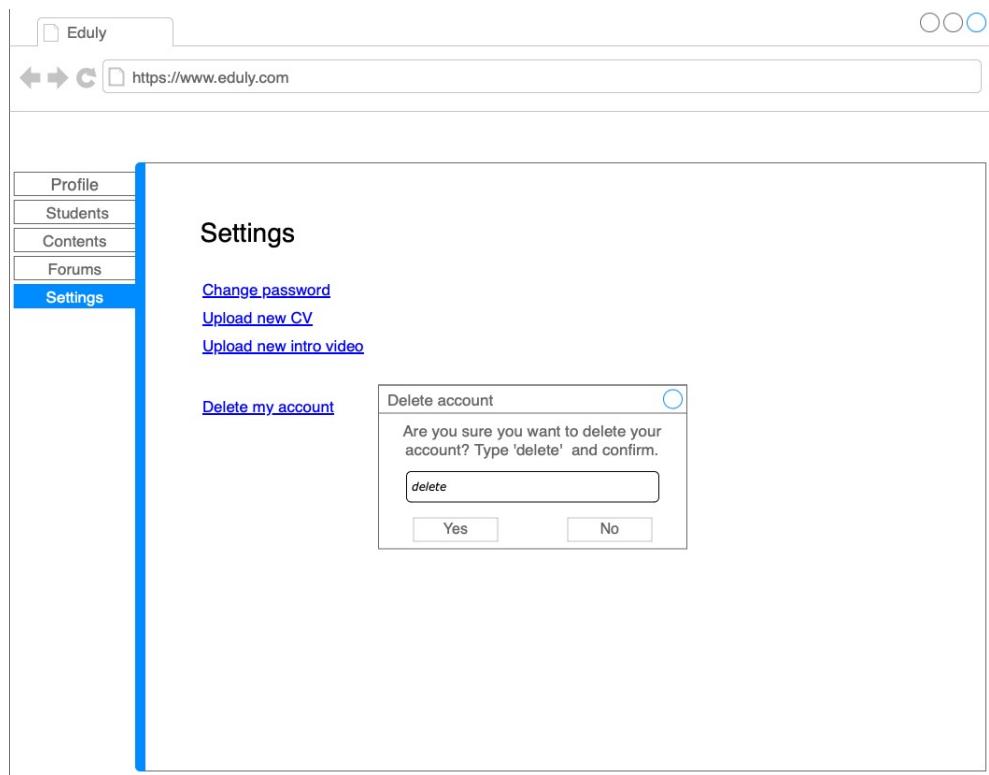
Below the table, there is a link 'Upload new content' and a delete confirmation dialog box:

Delete video1.mp4
Are you sure?
Yes No

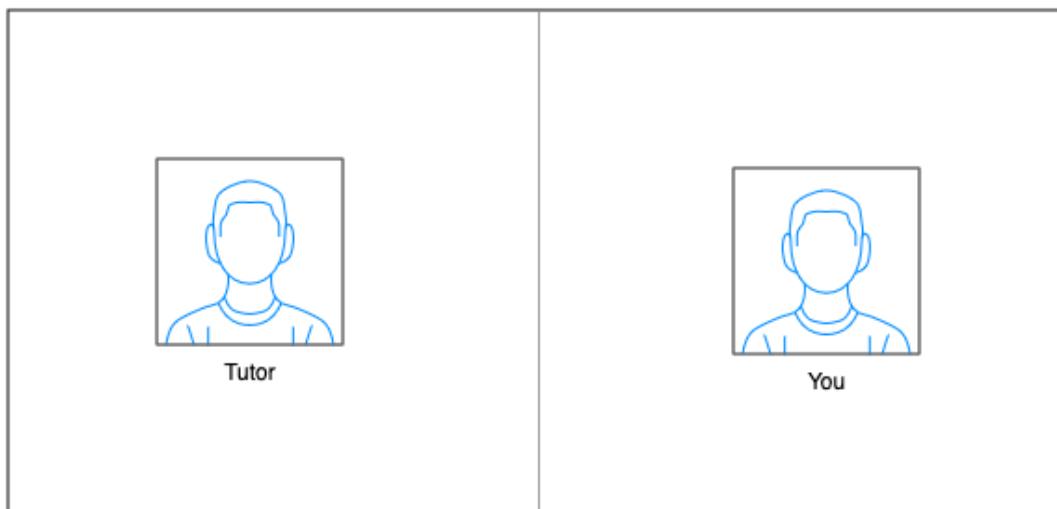
The screenshot shows the 'Upload new content' dialog box. It contains a file upload interface with a placeholder 'Drag and drop your content here' and a 'Open file manager' button. At the bottom are 'Cancel' and 'OK' buttons.







Meeting



Mic



Video

Leave meeting

Student Pages

Sign up – Student

HEADER

READY TO LEARN ?

Email

Password

Verify Password

By signing up, you agree to our [Terms of Service] and [Privacy Policy].

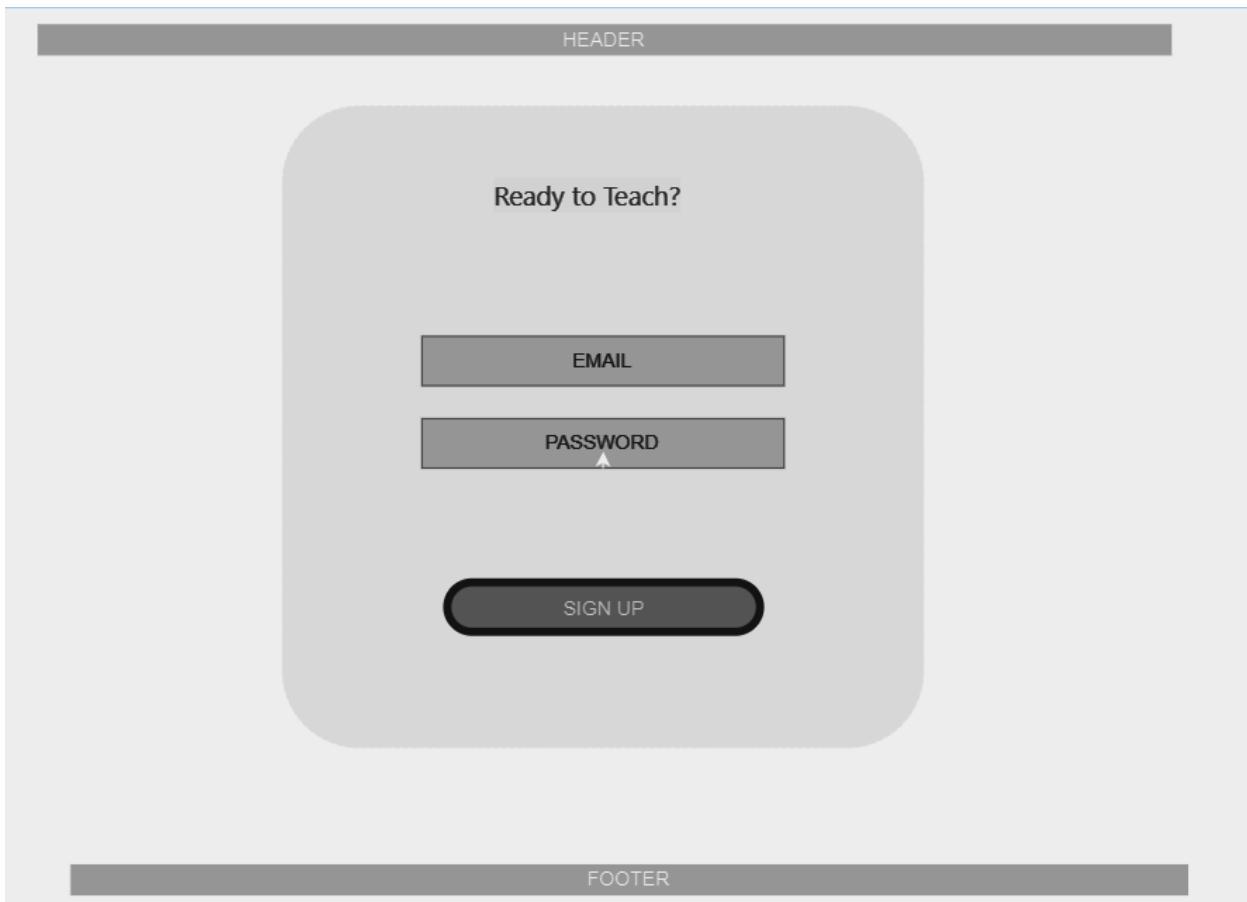
why choose eduly?

why choose eduly?

why choose eduly?

FOOTER

Sign up-TUTOR



EDULY LOGO

ABOUT > PHOTO > EDUCATION > AVAILABILITY > PRICING

About

creating your public tutor profile. Your progress will be automatically saved as you complete each section.

FIRST NAME

LAST NAME

SUBJECT TAUGHT ▾

LANGUAGE LEVEL ▾

PHONE NUMBER

I confirm I'm over 18

SAVE & continue

EDULY LOGO

ABOUT > PHOTO > EDUCATION > AVAILABILITY > PRICING

Profile photo

Choose a photo

What your photo needs

UPLOAD PHOTO

BACK

SAVE & continue



ABOUT > PHOTO > EDUCATION > AVAILABILITY > PRICING

EDUCATION

I dont have University Education

UNIVERSITY NAME

DEGREE

DEGREE TYPE ▼

UPLOAD

BACK

SAVE & continue



ABOUT > PHOTO > EDUCATION > AVAILABILITY > PRICING

AVAILABILITY

CHOOSE YOUR TIMEZONE



SET YOUR AVAILABILITY

MONDAY

FROM

15:00

TO

21:00

[ADD ANOTHER TIMESHEET](#)

TUESDAY

FROM

15:00

TO

21:00

[ADD ANOTHER TIMESHEET](#)

[BACK](#)

[SAVE & continue](#)

EDULY LOGO

ABOUT > PHOTO > EDUCATION > AVAILABILITY > PRICING

SET YOUR HOURLY RATE

RATE

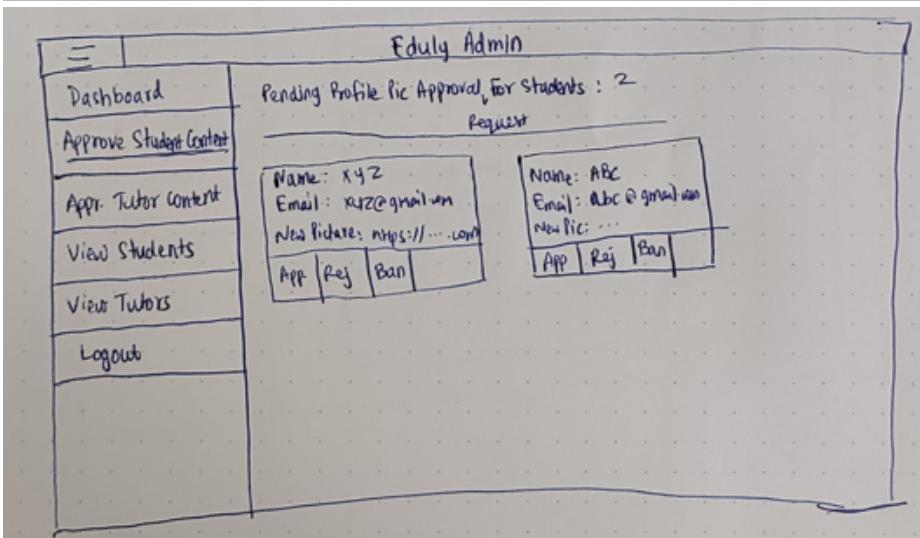
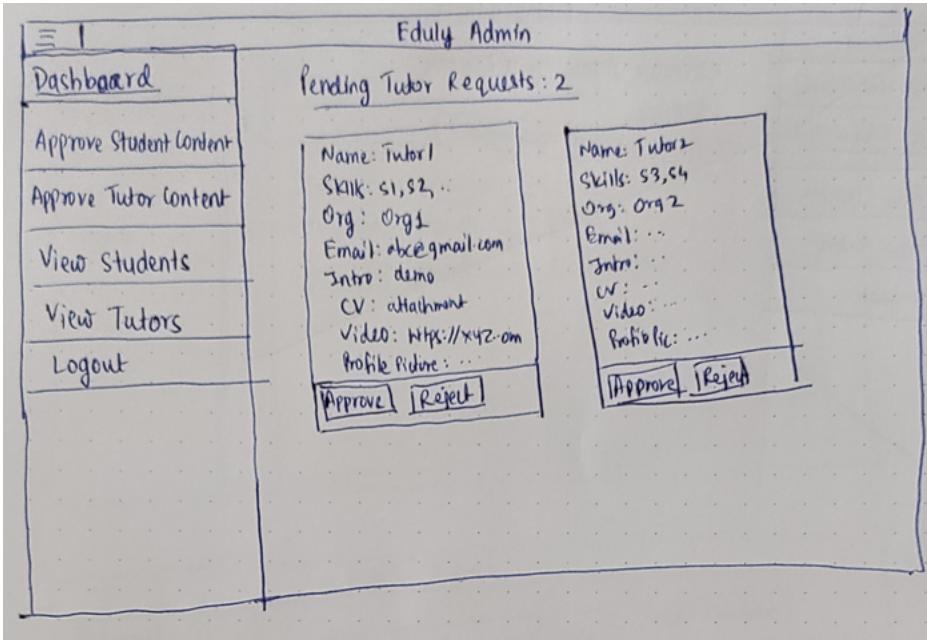
PRICE IN EUROS

COMISSION DETAILS

BACK

REGISTER

Admin Pages



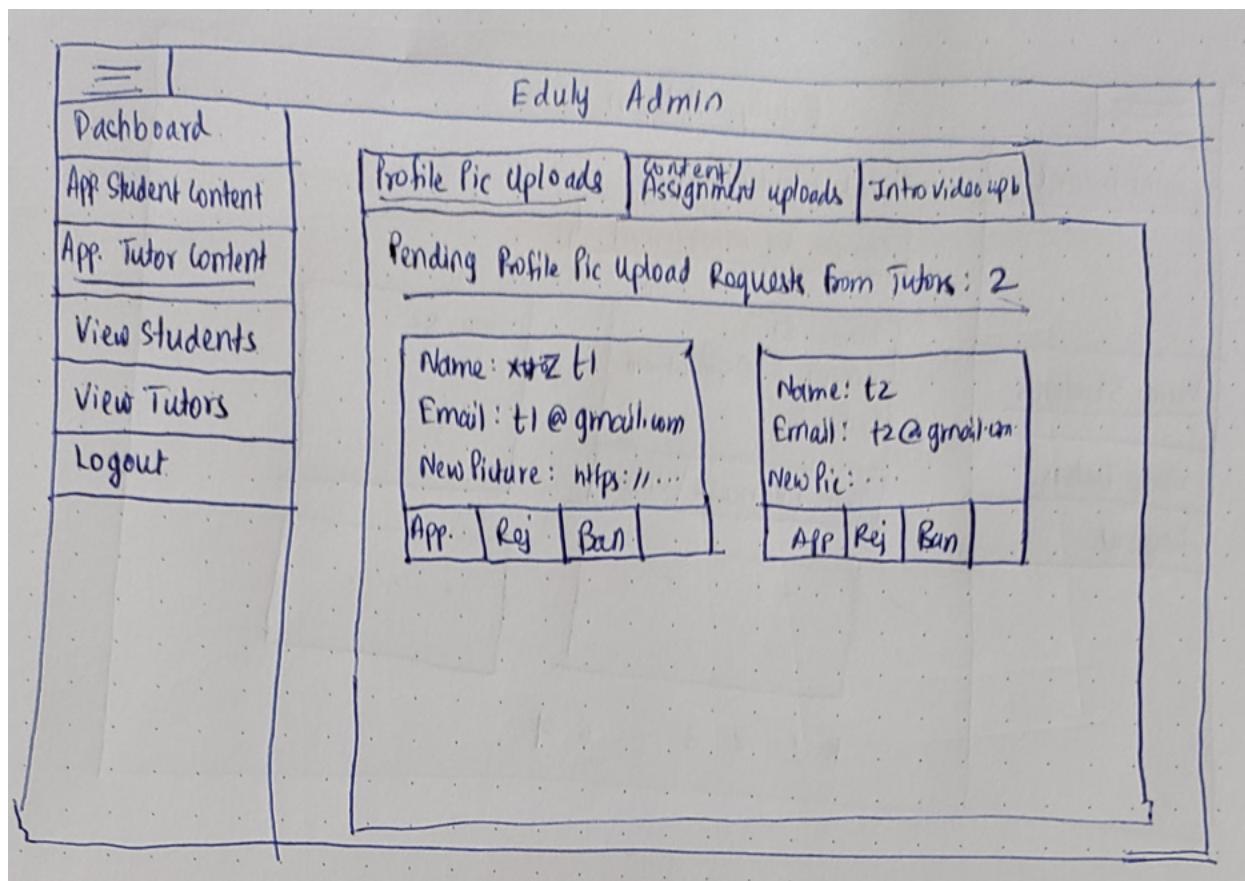
Eduly Admin

<p>Dashboard</p> <p>;</p> <p>;</p> <p>;</p>	<p>Total Students: 25</p> <p>Search by name/email</p> <p>Name: S1 Email: s1@gmail.com Profile Pic: ...</p> <p>Ban Remove Unban</p> <p>;</p> <p>;</p>	<p>Name: S2</p> <p>;</p> <p>;</p>
<p>View Students</p> <p>;</p> <p>;</p> <p>;</p>	<p>;</p> <p>;</p>	<p>;</p> <p>;</p>
<p>View Tutors</p> <p>;</p> <p>;</p> <p>;</p>	<p>;</p> <p>;</p>	<p>;</p> <p>;</p>
<p>Logout</p>		

← 1 2 3 ... 6 →

Eduly Admin

<p>Dashboard</p> <p>;</p> <p>;</p> <p>;</p>	<p>Total Tutors: 25</p> <p>Search by name/email</p> <p>Name: t1 Email: ... Org: ... CV: ... Video: ... Profilepic: ...</p> <p>Ban Remove Unban</p> <p>;</p> <p>;</p>	<p>;</p> <p>;</p>
<p>View Students</p> <p>;</p> <p>;</p> <p>;</p>	<p>;</p> <p>;</p>	<p>;</p> <p>;</p>
<p>View Tutors</p> <p>;</p> <p>;</p> <p>;</p>	<p>;</p> <p>;</p>	<p>;</p> <p>;</p>
<p>Logout</p>		



Community Forum Pages

The screenshot shows a web browser window with the following elements:

- Address Bar:** Shows the URL <https://www.eduly.com>.
- Header / Navbar:** A light gray header bar.
- Search Bar:** Contains the tag "#carbon" and a magnifying glass icon.
- Community Forums Section:** A blue button labeled "Community Forums".
- Ask a question:** A blue button with white text.
- Post 1 Content:**
 - Question:** "Why is carbon so versatile in forming a variety of organic compounds?"
 - Description:** "Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua."
 - Tags:** "#organic-chemistry #carbon", "Asked by: john"
 - Buttons:** "Answer" and "View Answers (8)"
- Post 2 Content:**
 - Question:** "Why is carbon so versatile in forming a variety of organic compounds?"
 - Description:** "Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua."
 - Tags:** "#organic-chemistry #carbon", "Aksed by: john"
 - Buttons:** "Answer" and "View Answers (2)"

The screenshot shows a web browser window for the Eduly website (<https://www.eduly.com>). The page title is "Eduly". The main content area displays a "New Question" form. On the left, there is a sidebar with sections for "#carbon", "Why", "Loren", and "Tags", each with a blue "Add" button. The main form has fields for "Title" (Inflation), "Tags" (#economics #banks), and "Description" (Why do central banks use interest rates to control inflation, and how does this mechanism work in practice?). A large blue "Submit" button is at the bottom right. The top right corner of the form has a blue rounded rectangle containing the word "question". The background of the main content area is light gray.

Header / Navbar

New Question

#carbon

Why

Loren

Tags

Add

Why

Loren

Tags

Add

Title

Tags

Description

Submit

question

The screenshot shows a web browser window for the Eduly website (<https://www.eduly.com>). The header includes the Eduly logo, navigation icons, and a search bar. Below the header is a "Header / Navbar" section. The main content area features a search bar (#carbon) and a "Community Forums" section. A modal dialog box is open, displaying a message: "Message Submitted Successfully!" with an "OK" button. The forums section contains a post titled "Why is carbon so versatile in forming a variety of organic compounds?". The post has placeholder text: "Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua." and tags: "#organic-chemistry #carbon". There are "Answer" and "View Answers (2)" buttons, and a "Submit" button for the modal.

Eduly

https://www.eduly.com

Header / Navbar

#carbon

Community Forums

Ask a question

Why is carbon so versatile in forming a variety of organic compounds?

Submitted Successfully!

OK

Message

Why is carbon so versatile in forming a variety of organic compounds?

Submitted Successfully!

OK

Answer

View Answers (2)

Submit

The screenshot shows a web browser window for the Eduly website (<https://www.eduly.com>). The header includes the Eduly logo, navigation icons, and a search bar. Below the header is a "Header / Navbar" section. The main content area features a question titled "Why is carbon so versatile in forming a variety of organic compounds?". The question text is: "Carbon has four electrons in its outer shell, allowing it to form four covalent bonds with other atoms. This tetravalency enables carbon to create a vast array of structures, including long chains, branched chains, and rings." A green box indicates the answer was provided by Amar. Another box below states: "Carbon-carbon bonds are strong and stable, which is essential for forming the backbone of complex organic molecules. The stability of these bonds ensures that the molecules can withstand various chemical reactions without breaking down easily." A blue button at the bottom says "Add your answer".

Eduly

https://www.eduly.com

Header / Navbar

#carbon

Community Forums

Ask a question

Why is carbon so versatile in forming a variety of organic compounds?

Carbon has four electrons in its outer shell, allowing it to form four covalent bonds with other atoms. This tetravalency enables carbon to create a vast array of structures, including long chains, branched chains, and rings.

Answered by: Amar

Carbon-carbon bonds are strong and stable, which is essential for forming the backbone of complex organic molecules. The stability of these bonds ensures that the molecules can withstand various chemical reactions without breaking down easily.

Add your answer

The screenshot shows a web browser window with the URL <https://www.eduly.com>. The page has a header/navbar at the top. Below it, there's a sidebar on the left with a vertical list of items: #carbon, Why, Lorer, Tags, and three blue 'Answer' buttons. The main content area on the right has a title 'Answer' and a large text box containing the following text:

Carbon-carbon bonds are strong and stable, which is essential for forming the backbone of complex organic molecules. The stability of these bonds ensures that the molecules can withstand various chemical reactions without breaking down easily.

To the right of the text box is a blue button labeled 'Submit'. At the very bottom right of the page is the word 'question'.

Forgot and Reset password

Forgot password?

Please enter your email address to reset your password

Send reset link

If an account exists for this email address, a reset link will be sent

Need help? [\[Contact Us\]](#)

Reset password

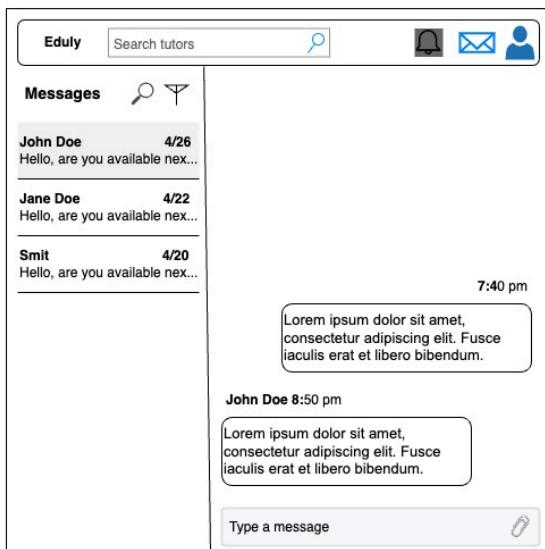
New password:

Repeat password:

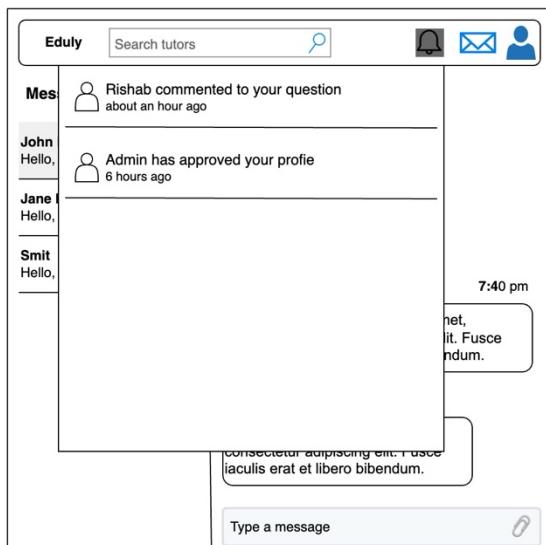
Reset

Need help? [\[Contact Us\]](#)

Messages



Notification



Master Team Project Summer 2024

“Eduly”

Milestone 4

Team 2

Keshav Upadhyaya (keshav-dineswara.upadhyaya@informatik.hs-fulda.de)	Team Lead
Sagnik Bhattacharya	GitHub Master
Aashay Ajay Markale	Backend Lead
Advaith Hari Raj Lakshmi	Frontend Developer
Ayush Pravin Shetty	Backend Developer
Ammar Ansari	Frontend Lead

Date: 09.07.2024

Date Submitted	Date Revised
09.07.2024	-

Product Summary

Product Name

Eduly

List of committed P1 functions

The app should allow an **administrator** to:

1. View the list of tutors' profile image, intro video & CV where approval is pending.
2. View the list of students' profile images where approval is pending.
3. Approve/delete the above content before going live.
4. Ban malicious users.

The app should allow a **visitor** to:

5. Search for tutors and view tutor cards with basic details.
6. View community forum questions and answers.
7. Register as a tutor or a student with their Fulda University email address.

The app should allow a **student** to:

8. Log in to the application.
9. Search for tutors based on various parameters such as pricing, ratings, availability (days of the week), topic and language of instruction.
10. Sort the tutors based on pricing, ratings or popularity.
11. View the introductory video of the tutor, CV, reviews and calendar.
12. Book sessions by selecting the date and time [UNIQUE].
13. Send/read messages to/from a tutor.
14. View upcoming appointments: [UNIQUE]
 - a. Join the meeting with the tutor's personal meeting room link (BigBlueButton or Webex provided by hs-fulda).
 - b. Cancel the scheduled meeting.
15. Write a review & rate the tutor.
16. Edit profile image.

The app should allow a **tutor** to:

17. Sign up or log in to the application.
18. Create a profile with all the necessary information like:

- a. Topics, intro text, pricing, language of instruction
 - b. Personal meeting room link (BigBlueButton or WebEx provided by hs-fulda).
 - c. Schedule [UNIQUE]
 - d. CV
 - e. Intro Video [UNIQUE]
19. Edit the above profile details.
20. Send/read messages to/from a student.
21. View reviews by students.

The app should allow **students and tutors** to use Community Forums [UNIQUE]:

- 22. Post questions in the community forum.
- 23. Post answers
- 24. View questions and answers posted by others.

URL to access the app

<http://20.56.148.2/>

Usability Test Plan

Test Objective

The **search function** is being tested. Testing the tutor search function is crucial because it directly impacts user experience and satisfaction. The search function is a primary tool for users to find and connect with the right tutors efficiently. Users may become frustrated and abandon the site if the search feature is not intuitive or accurate, leading to decreased engagement and potential revenue loss. By thoroughly testing this function, we can identify and resolve any usability issues, ensure relevant and precise search results, and ultimately enhance our platform's overall effectiveness and reliability.

Test Background and Setup

The user opens the app hosted at <http://20.56.148.2/> on a desktop using Google Chrome or Mozilla Firefox, the latest version on either Windows/Linux/MacOS. The starting point for this test is the homepage where the user has created an account and logged in. The intended user of this test is any student or employee at Fulda University looking for a tutor to learn something.

Usability Task Description

Description

- Imagine that you are struggling with Physics and looking for a good tutor to help you.
- You are willing to spend between 10 Euro to 20 Euro per session.
- You are also free only on Sundays.
- You prefer the language of instruction to be French.
- Given these requirements, try to find a tutor who fits your needs!

Effectiveness Measure

We measure effectiveness by checking if the user found the tutor he sought.

Efficiency Measure

We measure efficiency by checking how long the user took to perform the task.

Questionnaire

1. How easy was it to find and use the search function on the website?

1 Very difficult

2 Difficult

3 Neutral

4 Easy

5 Very easy

2. How relevant were the search results to your query?

1 Not relevant at all

2 Slightly relevant

3 Moderately relevant

4 Very relevant

5 Extremely relevant

3. How satisfied are you with the speed and performance of the search function?

1 Very dissatisfied

2 Dissatisfied

3 Neutral

4 Satisfied

5 Very satisfied

Test Results

Note: User information like age and gender are not included for privacy reasons.

User 1:

- **Effectiveness Measure:**
 - Yes, I found a tutor who fits my needs.
- **Efficiency Measure:**
 - It took me approximately 3 minutes to find a suitable tutor.

Questionnaire:

- How easy was it to find and use the search function on the website?
 - 5 Very easy
- How relevant were the search results to your query?
 - 4 Very relevant
- How satisfied are you with the speed and performance of the search function?
 - 5 Very satisfied
- Additional Comments:
 - The search function was intuitive, and the results were quite accurate. Did not observe any noticeable delay.

User 2:

- **Effectiveness Measure:**
 - Found a tutor as per given prompts.
- **Efficiency Measure:**
 - It took me 1 min.

Questionnaire:

- How easy was it to find and use the search function on the website?
 - 5 Very easy
- How relevant were the search results to your query?
 - 3 Neutral
- How satisfied are you with the speed and performance of the search function?
 - 5 Very satisfied
- Additional Comments:
 - It was easy and quick to search. But I would like it if there were more Tutors available for my given parameters.

User 3:

- **Effectiveness Measure:**
 - Yes, I found a tutor who fits my needs.
- **Efficiency Measure:**
 - It took me 30 sec.

Questionnaire:

- How easy was it to find and use the search function on the website?
 - 5 Very easy
- How relevant were the search results to your query?
 - 4 Very relevant
- How satisfied are you with the speed and performance of the search function?
 - 5 Very satisfied
- Additional Comments:
 - It is good that users can search and filter tutors even without logging in.
Search is straightforward.

User 4:

- **Effectiveness Measure:**
 - Yes, I was able to find a tutor as per the specified requirements.
- **Efficiency Measure:**
 - I spent around 2 minutes to find the tutor.

Questionnaire:

- How easy was it to find and use the search function on the website?
 - 4 Easy
- How relevant were the search results to your query?

- 5 Extremely relevant
- How satisfied are you with the speed and performance of the search function?
 - 4 Satisfied
- Additional Comments:
 - I liked the search function as it is minimalistic yet feature rich.

User 5:

- **Effectiveness Measure:**
 - I found the right tutors although after a bit of struggle.
- **Efficiency Measure:**
 - I needed 4 minutes to find the correct person.

Questionnaire:

- How easy was it to find and use the search function on the website?
 - 3 Neutral
- How relevant were the search results to your query?
 - 4 Very relevant
- How satisfied are you with the speed and performance of the search function?
 - 5 Very satisfied
- Additional Comments:
 - The search function wasn't immediately apparent to me as I thought I didn't have to click the search button, but in the end, the results were very good and were tailored to my requirements.

User 6:

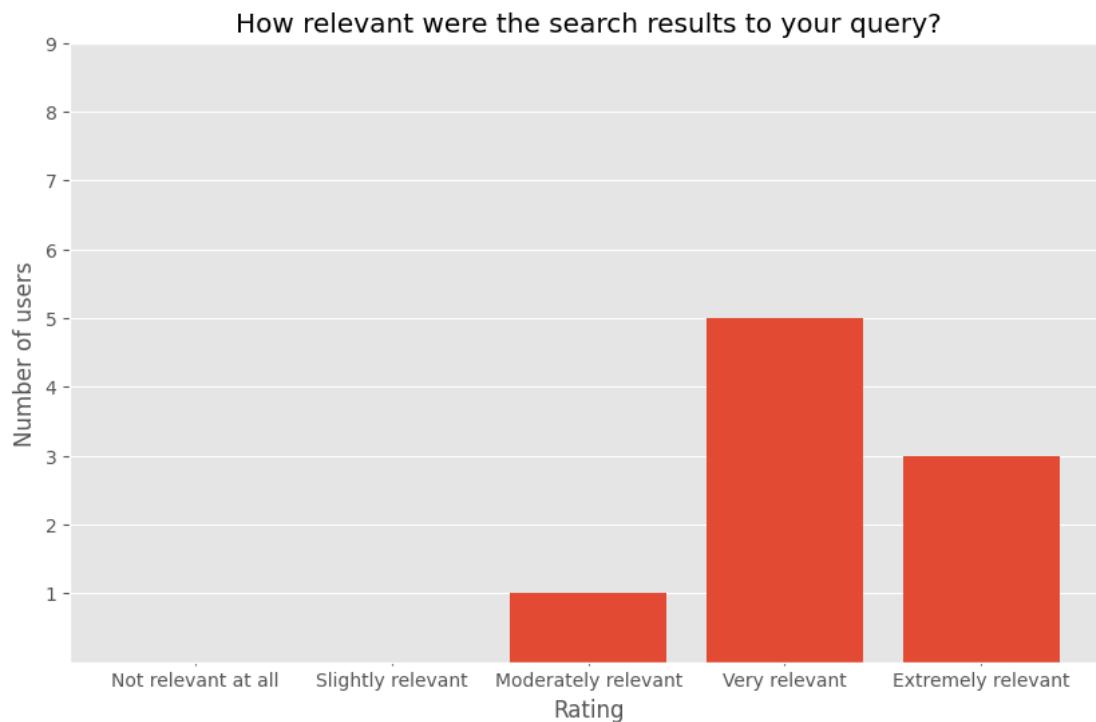
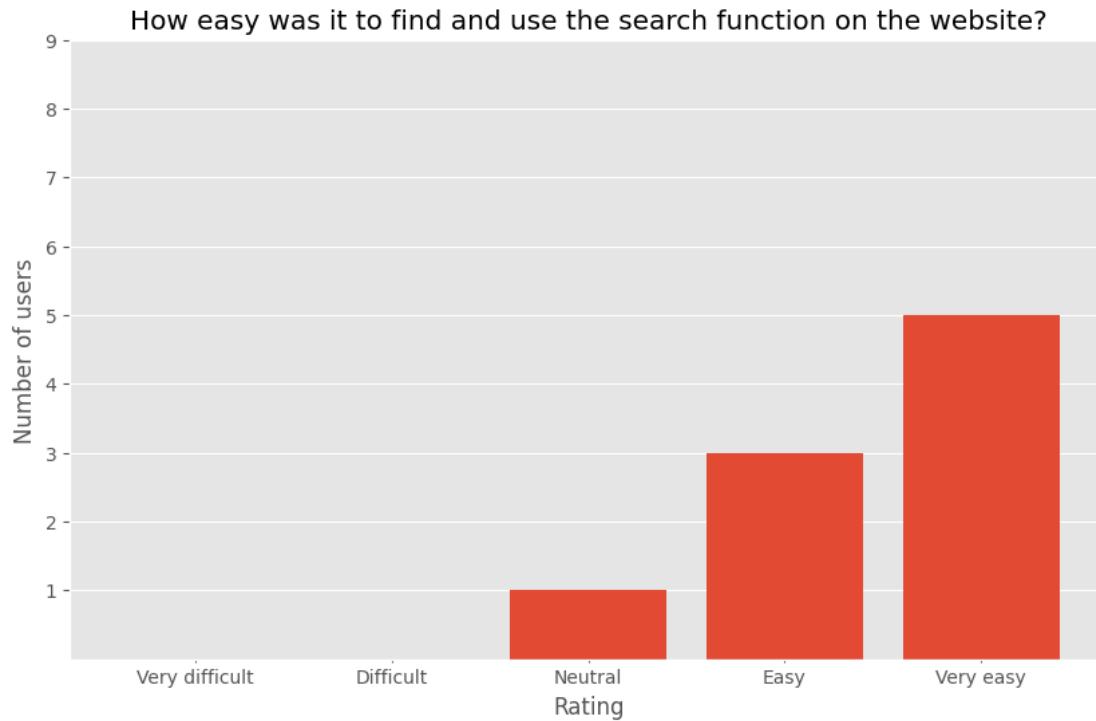
- **Effectiveness Measure:**
 - Yes, I found the right tutor for me.
- **Efficiency Measure:**
 - It took around a minute or two to find the right tutor.

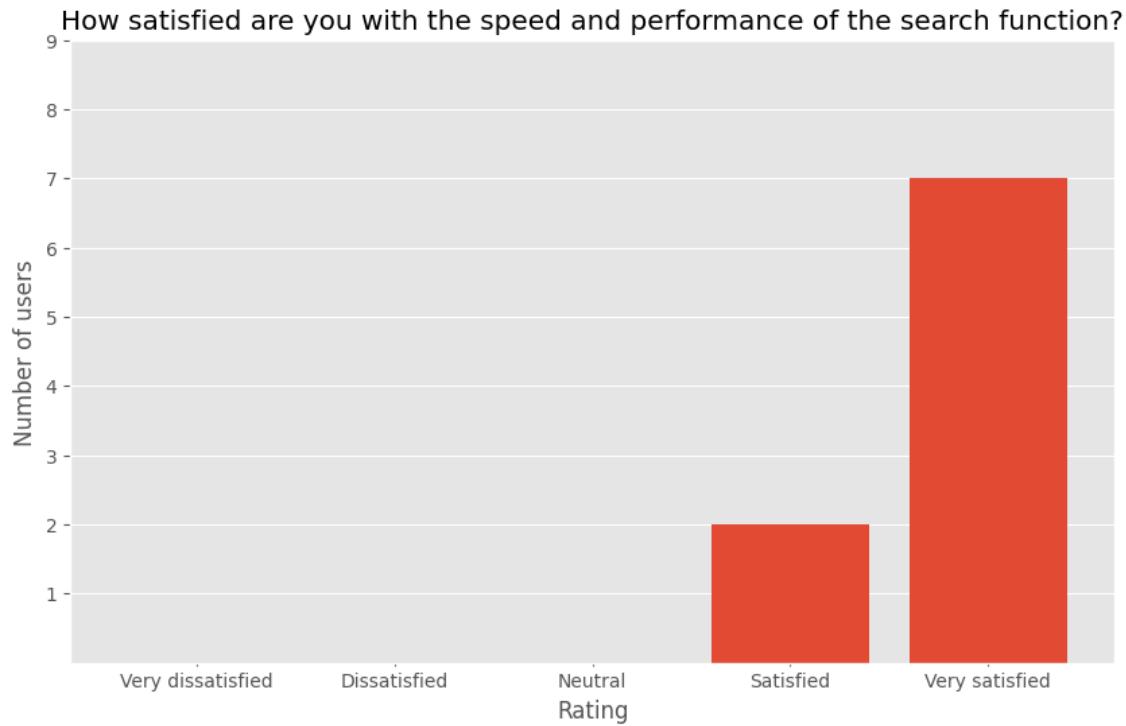
Questionnaire:

- How easy was it to find and use the search function on the website?
 - 4 Easy
- How relevant were the search results to your query?
 - 5 Extremely relevant
- How satisfied are you with the speed and performance of the search function?
 - 4 Satisfied

- Additional Comments:
 - Liked the relevance of search results and the instant filtering of results.

Results Overview





QA Test Plan

1. Test Objectives:

The objective of this QA test plan is to verify the functionality and user experience of the "Search Tutors" feature in the Eduly app, ensuring that it meets the following requirements:

- The search interface is displayed correctly with all necessary fields.
- Users can filter tutors based on ratings, price, availability, subject, etc.
- Users can see a list of tutors matching their search criteria.

Additional tests: Reviews and Admin features.

2. Test Objectives:

The objective of this QA test plan is to verify the functionality and user experience of the admin features in the application, ensuring that it meets the following requirements:

- Authorization is correctly handled, and only users with the "ADMIN" role can access admin endpoints.
- Admins can view, approve tutor and student content.

- Admins can ban and unban users (tutors or students).

HW and SW Setup:

URL: <http://20.56.148.2/>

Browsers: Google Chrome and Firefox latest versions

Hardware: Any Desktop or PC running Windows/Linux/MacOS

Features to be Tested:

- Search and interact with tutors using the "Search Tutors" feature in the Eduly app.
- Additional tests:
 - Tutor reviews
 - Admin functionalities including content management (approval), user banning, and user role management.

QA Test Plan Table:

Test #	Test Title	Test Description	Test Input	Expected Correct Output	Test Results (Chrome)	Test Results (Firefox)
1	Search Interface Display	Verify that the search interface is displayed correctly.	Open the application.	App header should be visible with the search field.	PASS	PASS
2	Search Tutor with rating 1	Verify that the user can search tutors with rating filter set to 1.	Set the rating filter to 1 using the rating slider.	List of tutors with a minimum rating of 1 is displayed correctly.	PASS	PASS
3	Search Tutor with rating 5	Verify that the user can search tutors with rating filter set to 5.	Set the rating filter to 1 using the rating slider.	List of tutors with a minimum rating of 5 is displayed correctly.	PASS	PASS

4a	Search Tutor with topic	Search with specific term	Enter “phy” and click search.	List of physics tutors displayed	PASS	PASS
4b		Search with invalid term	Enter “????” in the search bar and click search	“No tutors found for search criteria” displayed	PASS	PASS
4c	Search Tutor by Minimum Rating	Verify the user can search tutors with a minimum rating filter	Set the rating filter to a specific value (e.g., 4). Submit the search query	List of tutors with a rating of 4 or higher is displayed.	PASS	PASS
4d	Combined Search Filters	Verify the user can combine filters (rating, price, availability date) in search	Set the rating to 4, price range to \$15 to \$40, and availability date to a specific date.	Tutors are filtered based on combined criteria	PASS	PASS
5	Sort tutors	Sort by price	Select “Lowest Price” under the sort filter	List of tutors with lowest price on top displayed	PASS	PASS
6	Submit review for student	Submit a review by a student on a given tutor profile	Entering 5-star review on the input popup	The review should be published in the tutor profile	PASS	PASS
7	Deploy the latest changes into the prod env	Once code is merged the new code should be build and pushed into prod server	New code push as well as blank code push	For new code new artifact should be pushed to prod	PASS	PASS
8	Display average review of a given teacher	Verify that the average rating is properly being displayed on tutor page	Entering reviews from different student profile	The rating should be average of the total	PASS	PASS

			in same tutor profile	number of reviews		
9	Unauthorized Access	Verify that unauthorized users cannot access admin	Enter wrong credential for admin .	ERROR: admin not found / unauthorized	PASS	PASS
10	View Tutor/student Content	Verify that admins can view tutor/student content pending approval	Click on tutors or student below the header in admin dashboard	List of tutor/student content	PASS	PASS
11	Approve Student/tutor Content	Verify that admin can approve student/tutor content by ID.	Click on approve button on admin dashboard	HTTP 200 /Success content approved	PASS	PASS
12	Ban Tutor/student	Verify that admin can ban a tutor/student by ID.	Click on ban button on admin dashboard	HTTP 200 /Success content Banned	PASS	PASS

Test Results:

All test cases passed in both Google Chrome and Mozilla Firefox. No defects or issues were found during testing.

Code Reviews

Keshav's reviews:

Reviews on Advaith's code:

KeshavUpadhyaya reviewed yesterday [View reviewed changes](#)

```
frontend/src/components/AdminPageComponents/StudentsStack.tsx
  53 +     notificationService.showSuccess({
  54 +       title: 'Success',
  55 +       message: 'Content rejected from going live.',
  56 +     });

```

KeshavUpadhyaya yesterday · edited [...](#)
 after showing the notification for success, refetch the student data so the UI gets updated with the latest info.
 You can add `refetch` to line 31 and then use it here. The `useQuery` hook also returns the `refetch` method.
 For eg. once you approve, the UI will refetch the data and the row will be removed from the table.

advaithhl yesterday [Author](#) [...](#)
 Also do similarly for tutor and banned user tables. After any action that updates the table row, refetch the data.

advaithhl yesterday [Author](#) [...](#)
 Thanks for the feedback. I have removed the inplace changes and used refetch in [2b8bb66](#).

[Reply...](#)

KeshavUpadhyaya yesterday [...](#)
 Don't redefine constants here. Use the ones in `constant.ts`. There is an enum called ROLE there.

advaithhl yesterday [Author](#) [...](#)
 I have used constants from `constant.ts` in [1814e34](#). Please let me know if this is fine.

[Reply...](#)

[Resolve conversation](#)

Reviews on Ammar's code:

KeshavUpadhyaya reviewed 3 weeks ago [View reviewed changes](#)

```
frontend/src/components/SearchTutor.tsx
  33 +   const handleChange = useCallback((value: string) => {
  34 +     setValue(value);
  35 +   }, []);
  36 +
  37   return (
  38     <Autocomplete

```

KeshavUpadhyaya 3 weeks ago [...](#)
 I guess `Select` or `Combobox` is better since we decided to have a fixed list of topics that users can select.

iAmmar7 3 weeks ago [Author](#) [...](#)
 The `AutoComplete` with the `data` does not allow you to search anything other than what's in the data.

[Reply...](#)

[Resolve conversation](#)

Review's on Ayush's code:

Resolve conversation

KeshavUpadhyaya reviewed last week

View reviewed changes

```
backend/Tutor-Service/src/main/java/com/gdsd/TutorService/model/TutorContent.java Outdated
```

29 + public enum Status {
30 + APPROVED,
31 + PENDING_FOR_APPROVAL,

KeshavUpadhyaya last week ...
Update this to PENDING_APPROVAL as mentioned in the notion doc...
Also return the status along with the link in all APIs.

Reply...

Resolve conversation

Ammar's reviews

Reviews on Sagnik's code:

```
.github/workflows/tutor-service-build.yaml Outdated
```

11 22 runs-on: ubuntu-latest
12 23
13 24 steps:
14 - - name: Checkout repository
15 26 uses: actions/checkout@v2

Hide resolved

iAmmar7 last month ...
AFAICT, the current checkout version is 4, please see if you can update it to the latest version.

Rick0038 last month Author ...
done

Reply...

Reviews on Keshav's code:

```
frontend/src/components/TutorDetail/ScheduleDetail.tsx Outdated
```

```
2 + import { DatePicker, DatePickerProps } from '@mantine/dates';
3 + import { useMutation } from '@tanstack/react-query';
4 + import dayjs from 'dayjs';
5 + import { filter, isEmpty } from 'lodash';
```

 iAmmar7 last week ...
I would highly recommend removing the `lodash` since we are only using two functions and both of the functions are not very hard to implement on our own.

The `filter` can easily be replaced by JS filter, see my comment below in this file.

The `isEmpty` can be created in the `utils/helpers.ts` file. Something like this:

```
export const isEmpty = (value: any): boolean => {
  if (Array.isArray(value)) {
    return value.length === 0;
  }
  if (typeof value === 'object' && value !== null) {
    return Object.keys(value).length === 0;
  }
  return !value; // For strings, numbers, booleans, null, undefined
}
```

We don't need lodash here. It's a huge library that may impact our overall app size and using it just for a few functions is not worth it.

 KeshavUpadhyaya last week Author ...
Done. Makes sense.

 Reply...

Reviews on Advaith's code:

```
frontend/src/components/Pages/SearchPage.tsx
```

Comment on lines +77 to +82

```
77 +      <NativeSelect
78 +        label='Sort'
79 +        data={availableSortTypes}
80 +        value={sortType}
81 +        onChange={(event) => sortTutors(event.currentTarget.value)}
82 +      />
```

 iAmmar7 3 weeks ago ...
Please move this to the `Filters` component and see the implementation over there. Move `sortType` to the `Filters` component and see how we are maintaining all the states over there.

 Reply...

Aashay's reviews

Reviews on Ayush's code:

The screenshot shows two review comments on a GitHub pull request. The first comment is on line 137 of the file `TutorServiceImpl.java`. The code snippet is:

```
134 +     URI blobUri = URI.create(blobClient.getBlobUrl());
135 +     String cvLink = blobUri.toString();
136 +
137 + //     Optional<TutorContent> existContent = tutorContentRepository.findByIdAndContentType(

```

The comment from `babaji811` reads: `@ayush1999-dot Remove the commented code from the methods (eg. lines 137 to 147) which is already implemented by you.`

The second comment is on line 162 of the same file. The code snippet is:

```
162 +         } catch (IOException e) {
163 +             // Handle exception appropriately ask aashay
164 +             e.printStackTrace();
165 +             throw new RuntimeException("Failed to upload CV: " + e.getMessage());

```

The comment from `babaji811` reads: `@ayush1999-dot Here you can throw a GenericException (in exception package) which will take your message and HttpStatus as arguments`

Reviews on Sagnik's code:

The screenshot shows a GitHub pull request interface with two distinct review sections.

Review 1 (Top Section):

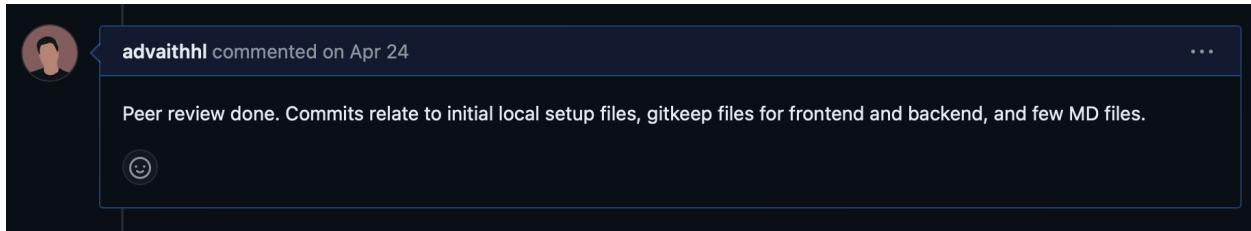
- Code Snippet:** `.../Tutor-Service/src/main/java/com/gdsd/TutorService/controller/StudentController.java`
- Changes:**
 - Line 36: - `studentService.getStudentById(studentIdInt);`
 - Line 37: - `return new ResponseEntity<>(studentService.getStudentById(studentIdInt), HttpStatus.OK);`
 - Line 21: + `@GetMapping("/profile")`
 - Line 22: + `public ResponseEntity<Student> getProfile(@RequestHeader("Authorization") String authorizationHe`
- Comments:**
 - babaji811** last week: Incorrect end point, we need to send the request at `/api/v1/student/profile`
 - Rick0038** last week: Checking
 - Rick0038** last week: Fixed
- Reply:**

Review 2 (Bottom Section):

- Code Snippet:** `.../Tutor-Service/src/main/java/com/gdsd/TutorService/controller/StudentController.java`
- Changes:**
 - Line 24: + `String email = tokenProvider.getEmailFromToken(token);`
 - Line 25: + `// Fetch the student's profile based on the email`
 - Line 26: + `Student student = studentService.getStudentByEmail(email);`
 - Line 27: + `return new ResponseEntity<>(student, HttpStatus.OK);`
- Comments:**
 - babaji811** last week: Don't directly return Student object, create a new DTO the way it's given in notion and the same variable names expected in JSON. Please connect with [@ayush1999-dot](#) and ask him to show you how to do it, incase you didn't get it.
 - Rick0038** last week: ISSUE PATCHED WITH NOTES
- Reply:**

Advaith's reviews

Review on Sagnik's code:



Discussion on suggestions on my code:



Sagnik's reviews

Review on backend code

Rick0038 requested changes last month

Rick0038 left a comment

Rest looks good please check the comment on ENV file

backend/Tutor-Service/src/main/resources/application.properties

Rick0038 last month

In this file please check if its possible to send this via ENV variable as sending keys directly is not secure

babaji811 last month • edited

point is already mentioned in JwtTokenProvider class, will be done subsequently

Reply...

Resolve conversation

babaji811 merged commit c275798 into dev last month

Revert

Review on my code

Merged **Added student profile fetch and Fixed issues with review #152**
babaji811 merged 3 commits into `dev` from `sagnik-dev` last week

babaji811 approved these changes last week [View reviewed changes](#)

babaji811 left a comment

Changes implemented. Looks good to go.

babaji811 merged commit `aa20d4c` into `dev` last week [Revert](#)

Pull request successfully merged and closed [Delete branch](#)

You're all set—the `sagnik-dev` branch can be safely deleted.

Ayush's reviews

Review on Backend Code

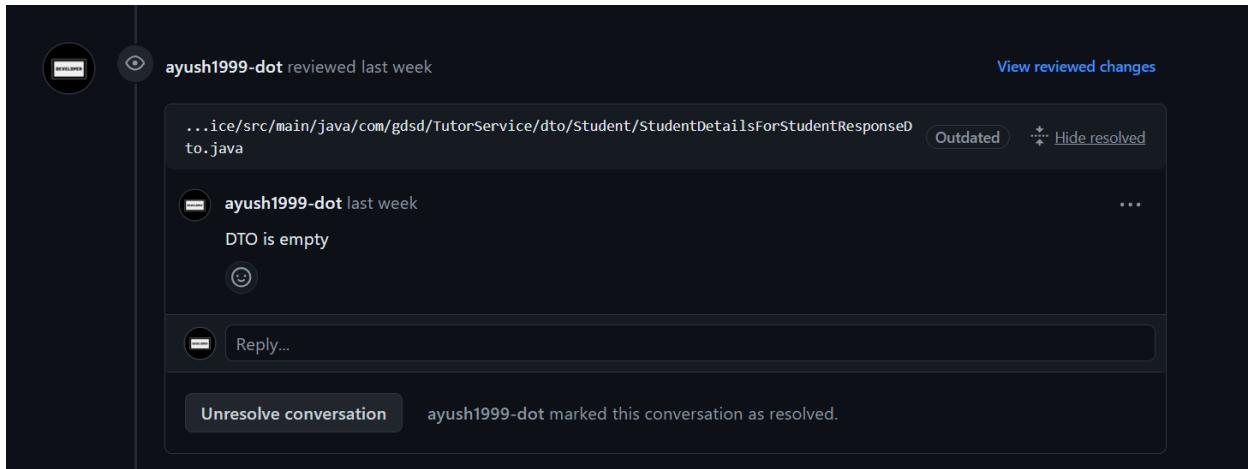
ayush1999-dot reviewed last week [View reviewed changes](#)

`.../Tutor-Service/src/main/java/com/gdsd/TutorService/controller/Student/StudentController.java` [Hide resolved](#)

ayush1999-dot last week
getStudent() function does not have mapping to it .

ayush1999-dot Reply...

Unresolve conversation ayush1999-dot marked this conversation as resolved.



Self-check on best practices for security

Major assets to protect

- Tutor personal data and credentials
- Student personal data and credentials

Major threats

- Unauthorized access or theft of user data
- Unauthorized modification of user data

Protection measures

- We use environment variables to store all our secrets like API keys and credentials of third-party services like Azure Blob storage.
- We use JWT-based authentication tokens for login so that only authorized users are allowed to access protected APIs.
- Input validation and parameterized queries are used to prevent attacks like SQL injection.
- Routes in the UI are protected as well based on roles. E.g. a student or tutor cannot access the admin page.
- Display password “strength” meter on the signup page to encourage users to use strong passwords.

Confirmations

- The passwords are stored securely using the “bcrypt” password hashing algorithm.
- Input validation is performed wherever needed.

Self-check: Adherence to original Non-functional specs

1. Application shall be developed, tested, and deployed using tools and servers approved by Class CTO and as agreed in M0 (some may be provided in the class, some may be chosen by the student team, but all tools and servers have to be approved by Class CTO). **DONE**
2. Application shall be optimized for standard desktop/laptop browsers e.g., must render correctly on the two latest versions of two major browsers. **DONE**
3. All or selected application functions must render well on mobile devices. **DONE**
4. Data shall be stored in the database on the team's deployment server. **DONE**
5. No more than 50 concurrent users shall be accessing the application at any time. **DONE**
6. The privacy of users shall be protected, and all privacy policies will be appropriately communicated to the users. **DONE**
7. The language used shall be English (no localization needed). **DONE (The app itself supports only English but the user can enter text in text fields in other languages as well)**
8. The application shall be very easy to use and intuitive. **DONE**
9. Application should follow established architecture patterns. **DONE**
10. Application code and its repository shall be easy to inspect and maintain. **DONE**
11. Google Analytics shall be used (optional). **(Not implemented due to privacy concerns)**
12. No e-mail clients shall be allowed. Interested users can only message to sellers via in-site messaging. **DONE**
13. Pay functionality, if any (e.g., paying for goods and services) shall not be implemented nor simulated in UI. **DONE**
14. Site security: basic best practices shall be applied (as covered in the class) for main data items. **DONE**
15. Media formats shall be standard as used in the market today. **DONE**
16. Modern SE processes and practices shall be used as specified in the class, including collaborative and continuous SW development. **DONE**
17. The application UI (WWW and mobile) shall prominently display the following exact text on all pages "Fulda University Software Engineering Project Summer 2024. For Demonstration Only" at the bottom of the WWW page. (Important to not confuse this with a real application). **DONE**

Filters

[Reset all](#)

Sort

Min Ratings

1 2 3 4 5

Price range

€12 €100

Availability Days

Languages

**Johnny Doe**

PHYSICS

100 lessons taught

Language: Spanish



5

€43 /hr

(3 Reviews)

As a physics tutor, I'm passionate about unraveling the mysteries of the universe and helping students grasp fundamental concepts like Newton's laws, electromagnetism, and quantum mechanics.

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**Jack Arrow**

PHYSICS

0 lessons taught

Language: French



5

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(4 Reviews)

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Claire Dupont

**Jack Arrow**

PHYSICS

0 lessons taught

Language: French

★ 5

(4 Reviews)

€15 /hr

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Schedule Reviews

August 2024						
Mo	Tu	We	Th	Fr	Sa	Su
				1	2	3
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

Book Meeting



Tutor

Student

Banned users

EDULY ADMIN MODE

Name	Content Type	Content	Actions
Sarah Lee #6	PROFILE IMAGE	View	
Sarah Lee #6	CV	View	
Sarah Lee #6	INTRO VIDEO	View	
David Williams #7	PROFILE IMAGE	View	