Project Week	Calendar Week	From	To	Hours	Activities
1	41	10/10/2024	10/16/2024	0	Was not enrolled in class yet
2	42	10/17/2024	10/23/2024	0	Was not enrolled in class yet
3	43	10/24/2024	10/30/2024	5	Created multiple user stories for students regarding the Tutoring Website
4	44	10/31/2024	11/6/2024	5	Refined the user stories that were created and also helped with sprint planning in Jira
5	45	11/7/2024	11/13/2024	8	Fully defined backend and frontend jobs for sprint 1 on JIRA for MVP website with the backend team and Manav. Started to study Springboot and SQL
6	46	11/14/2024	11/20/2024	12	Watched videos and completed courses on Springboot and SQL. Set up the project.
7	47	11/21/2024	11/27/2024	15	Worked with Nikolai to solve several tickets and learned a lot about overall project structure. Learning mostly about the importance of git pull and merging with main, and learning about J-Unit testing and how to write test code. Was sick a lot during the 24th and 25th that is why I worked with Nikolai on a lot of my tasks.
8	48	11/28/2024	12/4/2024	10	DId not work much due to sitting with Erind and Manav about the chat and WebRTC, did not code this week as I was tasked with only learning about the chat, how to implement it, learning about websockets, and also trying to find springboot componenets or GitHub repositories to have a skeleton or a base for the chat. Nikolai tasked me with only focusing on chat.
9	49	12/5/2024	12/11/2024	10	Created the chat function with Nikolai over a couple days, had a couple of errors so we had to sit down again and fix although I was still learning at the time. Chat function compiled and worked but we still have problems with the Websocket not connecting. Worked mostly with Nikolai and by myself during this week as we were trying to finalize and create the chat so we can implement it towards the project.
10	50	12/12/2024	12/18/2024	11	Focused mostly on CRUD and was tasked with research on CRUD REST API with DTO in spring boot and I was doing that until I was asked to write JUNIT tests with Erind near the end of the calendar week. Did not do much other than researching and writing JUNIT tests this week. Learned about CRUD but did not implement anything yet.
11	51	12/19/2024	12/25/2024		
12	52	12/26/2024	1/1/2025		
13	1	1/2/2025	1/8/2025		
14	2	1/9/2025	1/15/2025		
15	3	1/16/2025	1/22/2025		
16	4	1/23/2025	1/29/2025		

Project Week	Calendar Week	From	To	Hours	Activities
1	41	10/10/2024	10/16/2024	3	2 meetings with the group lasting 2 hours and 1 hour individual work on finishing my part of the vision document
2	42	10/17/2024	10/23/2024	7	2 meetings with the group lasting 4.5 hours and 2.5 hour individual work on user stories
3	43	10/24/2024	10/30/2024	12	2.3 hours group meeting and 10 hours getting familiar with everything we have to use(understanding Spring Boot structure; learning Dependency Injection, Java Beans, and components with annotations in Spring Boot; getting familiar with JPA, JPQL, and the PostgreSQL environment) by watching youtube videos, taking online courses, using ChatGPT etc.
4	44	10/31/2024	11/6/2024	7.5	1 hour group meeting, 1.5 hours backend group meeting(discussing and finalizing the database and domain model) and 5 hours revision of database programming classes and working individually to create a database
5	45	11/7/2024	11/13/2024	3.5	3 hours implemented the functionality to retrieve courses by category and 30 minutes meeting with the group
6	46	11/14/2024	11/20/2024	5	2 hours meeting with backend team and 3 hours developed the feature to retrieve account details of the user
7	47	11/21/2024	11/27/2024	4	3,5 hours worked on editing user details and 30 minutes meeting with the group
8	48	11/28/2024	12/4/2024	9.5	30 minutes meeting with Manav and Gor to discuss about WebRTC and Chat. 9 hours learning about WebRTC and Chat by watching Youtube videos and searching the net
9	49	12/5/2024	12/11/2024	8	Started working on the chat feature in the backend, including chat history, message handling and user interaction, but didn't manage to finish. There was some things I couldn't understand and do, so I passed this task to Gor and Nikolai
10	50	12/12/2024	12/18/2024	4	Meeting with Gor and Nikolai(JUnit testing). Little help with WebRTC uploading files that were needed in the backend part.
11	51	12/19/2024	12/25/2024	6	Worked on backend optimizations, including improving performance for course-related queries. Added additional features for user management and improved error handling.
12	52	12/26/2024	1/1/2025	0	Just enjoying holidays, nothing related to Uni.
13	1	1/2/2025	1/8/2025	15	Focused on learning JUnit for backend testing. Split the work with Gor. I took half of the controllers and half of the service classes and the half was taken by him. I had problems with some test. Could not find the issue.
14	2	1/9/2025	1/15/2025	8	Found the issue that was creating the problem. It was an annotation that I was adding all along: "@StartSpringBoot". It was conflicting with the Mockito setup. Also changed the tests a bit since the backend team also changed things in the codes.
15	3	1/16/2025	1/22/2025		
16	4	1/23/2025	1/29/2025		

Project Week	Calendar Week	From	To	Hours	Activities
1	41	10/10/2024	10/16/2024	10	Initial Research on topic of Online Tutoring Platform. Participation in first kick-off meeting with professor Baer + 2 team meetings. Development of a section of vision document called "Product Position Statement", initial research of such platforms as "profi.ru", "Easy tutor" and "Udemy" in order to get the vision, what future platform could look like. Set up of platforms such as "Jira" for project management, backlog and documentation collection. Additionally Discord server was set up in pair with Dorotej-Dado Arnold in order to communicate with team members.
2	42	10/17/2024	10/23/2024	4	Development of User Stories for tutors side , research of similar tutoring / online education platforms. Consultation with an external professional tutor on what she would like to have on such platform as one we currently develop. Meeting with the professor to discuss vision document and revision of user stories , due to changes in initial vision.
3	43	10/24/2024	10/30/2024	10	Creation of the backlog with the team. Its following refinement with detailed description for each user story necessary for sprint and increment 1. Followed by initial creation of Domain / Class diagrams and discussion of the initially created DB model. + 2 Meetings with the team (each 1.5 hours)
4	44	10/31/2024	11/6/2024	10	2 meetings with team, Reworking of Domain Model and Class Diagram. Revision of design patterns, consultation with colleagues regarding the DB design and reworking of it. Planned: till the end of the week - finish the class diagram , install setup for development , start development of the Database (Around 4 hours)
5	45	11/7/2024	11/13/2024	10	Development of database entities with defined relationships, followed by refactoring to accommodate changing requirements in collaboration with Arnold. Tasks included populating the database with test data and implementing the following features: retrieving all unique categories, counting the total number of tutors and students, searching courses by tutor name, and searching courses by course name. Consulted with Manav (Frontend Engineer) about necessary endpoints and resolved Cross-Origin Resource Sharing (CORS) issues in the developed controllers. Conducted research on setting up a centralised configuration file for all endpoints to eliminate redundant, endpoint-specific configurations. Tasks done this week: OTP-107, 110, 97, 96, 94, 93.
6	46	11/14/2024	11/20/2024	6	Conducted research on secure credential storage in databases, including hashing functions and industry best practices. Implemented a "credentials" entity and established its relationship with the "user_account" entity. Tested functionality not supported in JPA 1.0 and collaborated with Manav (Frontend Engineer) to test endpoints and verify the desired output on the frontend. Resolved bugs related to bi-directional relationships between entities that caused nested arrays in responses. Provided assistance to a backend team member, explaining the structure and roles of Service, Repository, and Controller layers in the codebase. Developed and endpoint, query and service for OTP-26.
7	47	11/21/2024	11/27/2024	10	Worked on developing the required functionality for viewing individual profile pages, specifically creating an endpoint and query for OTP-45 (OTP-119). Collaborated with Manav to test the functionality for OTP-26, which revealed issues with JSON response serialisation. These issues were resolved by introducing @JsonIgnore(""). After consulting backend engineer Jossin, we decided to shift to a Data Transfer Object (DTO) structure in the next increment. This shift will require refactoring, including introducing new classes and mappers. Conducted research on ensuring a smooth transition to the DTO structure, which was later discussed with Jossin. Additionally, I developed JUnit tests for all existing entities (Course, Category, Credentials, Rating, User) and their associated controllers. In collaboration with backend team member Erind, we implemented functionality for "Course by Category"(OTP-92) and "User by ID,"(OTP-86) along with the corresponding tests. I also consulted with a backend team member regarding bugs in his system (both of us use macOS) and assisted in developing the "Course by ID" functionality.
8	48	11/28/2024	12/4/2024	15	Collaborated with Jossin to refine and enhance the backend structure. Focused on creating individual Transfer objects to improve modularity, maintainability, and reusability. Developed mappers to streamline the mapping process between data models and Transfer objects, improving efficiency and reducing coupling. Additionally, resolved several bugs with Jossin related to JSON serialization, particularly addressing circular dependency issues, ensuring cleaner and more robust data handling. Worked closely with Manav to kick off the initial planning phase for the chat feature. This involved brainstorming and outlining key components such as real-time messaging, user authentication, message persistence, and UI/UX considerations. Defined the foundational architecture and scoped the features to align with project goals. Built the initial structure for the chat system, focusing on scalability and extensibility. Reworked the database structure to introduce new tables, including Chat, Message, and ChatParticipants, to better support the feature requirements and ensure efficient data storage and retrieval. Integrated WebSocket for real-time communication, laying the groundwork for dynamic and responsive chat functionality. Established connection handling, message broadcasting, and basic error management to ensure robust performance.
9	49	12/5/2024	12/11/2024	30	Developed and implemented WebSocket configuration and controllers to enable real-time communication for the chat feature. Set up endpoints for handling WebSocket connections and message broadcasting, ensuring a structured foundation for dynamic messaging. However, real-time communication is still not fully implemented as expected, with connection issues persisting that need further resolution. Reworking of tables due to falsly mapped relationship, built REST APIs to enable users to start, delete, and update chats and messages. Designed the APIs with scalability in mind, incorporating adjustments to support group chats in the future. In pair with Jossin contributed to the development of CRUD operations for critical application modules, including meetings, courses, and users, adhering to the new role-based access control structure. Focused specifically on implementing functionality for Tutor and Admin roles, ensuring correct permission handling and data integrity. In collaboration with Jossin, identified and resolved several issues related to circular dependencies within the WebSocket implementation and controller interactions. Adjusted dependencies and updated the controllers to align with architectural changes, ensuring better modularity and functionality.

Project Week	Calendar Week	From	To	Hours	Activities
10	50	12/12/2024	12/18/2024	22	Collaborated with Manav and Jossin to refactor REST API endpoints for improved efficiency, maintainability, and alignment with Role based structure. This involved streamlining request handling, reducing redundancy, and enhancing the clarity of endpoint documentation (Was done by Jossin). The changes made the APIs easier to integrate and test. Enhanced the functionality for meetings by adding new features, optimizing existing processes, and ensuring better user experience. Focused on making the meeting module more robust, scalable, and aligned with the evolving project requirements. These updates addressed both technical and functional gaps, ensuring seamless scheduling, updates, and participant management. Undertook a comprehensive cleanup of the codebase in pair with Jossin. especially within controllers, to enhance readability and maintainability. Additionally, transitioned from custom queries in repositories to server-layer implementation for data retrieval (In pair with Jossin). This shift significantly reduced technical debt and aligned the data access layer with best practices, paving the way for easier updates and debugging in the future. Worked closely with Jossin to anticipate potential challenges in scaling certain features, proactively introducing minor architectural adjustments to future-proof the system. Collaboratively identified areas for optimization across modules, ensuring a smoother development process and fewer integration issues down the line for the next increment and release.
11	51	12/19/2024	12/25/2024	15	Collaborated with Jossin and Manav to troubleshoot an issue with the chat functionality. We discovered that the tool used to test the connection did not support SockJS. After disabling SockJS in the code, we verified that the chat was fully functional and ready for frontend integration. Worked with Manav on integrating the chat into the frontend. Discussed with Jossin the implementation of WebRTC on the backend and its potential integration with the frontend. Additionally, initiated planning for the booking system.
12	52	12/26/2024	1/1/2025	6	Completed the chat functionality in collaboration with Manav. Additionally, developed several missing Transfer Objects (e.g., ChatSummary and ReceiverTO) to optimize server bandwidth usage by sending only the necessary information to the frontend. Implemented additional try-catch blocks to handle potential errors from the frontend, particularly during "create" operations.
13	1	1/2/2025	1/8/2025	13	Developed the missing mappers, service, and repository for meeting creation, removing the meeting status as it was deemed irrelevant. Collaborated with Jossin to develop the booking system. Identified and addressed bugs in the booking system (pointed out by Jossin). Attempted to implement restrictions at the service layer, but this approach proved ineffective. Resolved issues with the chat functionality and updated mappers to include new fields, such as unread message count.
14	2	1/9/2025	1/15/2025	10	Authored missing Swagger documentation for various endpoints and developed the "unenroll from course" endpoint along with its service functionality. Implemented database constraints for meeting creation, including no_overlapping_meetings, no_tutor_overlapping_meetings, no_cross_day_meetings, and meeting_date_limit. These constraints proved to be more effective than implementing restrictive logic at the service layer. Collaborated with Jossin to identify a potential issue with the duration attribute for meetings, which might be unnecessary. Experimented with file system integration in SpringBoot; however, it was not thoroughly tested and is unlikely to be implemented in the project due to time constraints.
15	3	1/16/2025	1/22/2025	25	Resolved bugs related to the Delete operations for the User and Course entities. Updated the chat creation endpoint's request body to include creatorId. Developed an endpoint to retrieve courses a student is enrolled in and another to list students enrolled in a course for tutors. Redesigned and implemented several service layer methods to ensure users are authenticated and have the appropriate roles to access specific methods. Updated ChatTO to include creatorId, preventing the creation of empty chats without messages. Built two endpoints to retrieve meetings a user participates in and meetings created by the user. Designed and implemented a reporting system, including endpoints, service layer, repository, and relevant entities, while updating relationships with other entities to integrate the reporting system.
16	4	1/23/2025	1/29/2025		

Project Week	Calendar Week	From	To	Hours	Activities
1	41	10/10/2024	10/16/2024	16	Prepared and organized materials for meetings, including setting up Slack, GitHub, calendars, and schedules, while also creating agendas and reports. Proposed a split for the vision document, conducted organizational research, collaboratively set up the vision document, and prepared roles and allocation tasks.
2	42	10/17/2024	10/23/2024	14	Engaged in developing user stories, collaborative sessions on project vision, transition from Slack to Discord, structure of documentation.
3	43	10/24/2024	10/30/2024	21	Set up a foundational project using React, Spring, and PostgreSQL, involving the selection of optimal software versions, and created Docker images for both individual modules and the entire project.
4	44	10/31/2024	11/6/2024	20	Completed a course on GitHub Actions and initiated the setup of CI/CD, ultimately transitioning the database to CloudSQL for enhanced simplicity and streamlined workflows. Gained knowledge on utilizing CloudSQL effectively to ensure the database remains secure and cost-efficient.
5	45	11/7/2024	11/13/2024	31	Defined quality standards through a comprehensive document, ensuring clarity across the team. Finalized CI pipelines for both backend and frontend, and established a super linter pipeline for comprehensive checks. Automated test runs and created sample tests to guide the backend team. Provided a tutorial on setting up the project locally, covering GitHub basics, and delegated initial bite-sized tasks to help team members familiarize themselves with the standardized workflow.
6	46	11/14/2024	11/20/2024	23	Developed a sandbox Docker image to facilitate project testing with a local PostgreSQL database instead of CloudSQL, streamlining the development process. Implemented SonarQube and its corresponding pipeline, enabling full code analysis for backend Spring Boot, and carried out OWASP analysis to enhance security measures.
7	47	11/21/2024	11/27/2024	13	Identified and reported code smells in the backend, recognized challenges with the existing linter setup. Attempted to automate Javadoc generation but encountered complexities due to inconsistent commenting standards, deciding to postpone this task until after Increment 1 deadline. Completed and documented the first increment report, and took responsibility for reviewing and approving all pull requests to ensure quality and consistency in the codebase.
8	48	11/28/2024	12/4/2024	9	Engaged in the development of the Architecture Handbook, outlining key system components, dependencies, and integration points to ensure consistency a
9	49	12/5/2024	12/11/2024	3	Participated in alignment meetings to discuss and finalize proposed changes to the Architecture Handbook, focusing on clarity and accuracy in documentat
10	50	12/12/2024	12/18/2024	0	Unable to work due to illness.
11	51	12/19/2024	12/25/2024	9	Focused on finalizing UML diagrams and completing the Architecture Notebook.
12	52	12/26/2024	1/1/2025	8	Updated the Linter pipelines to address and rectify errors caused by incorrect configurations. Facilitated the transition from CloudSQL to a local PostgreSQL database to minimize costs, creating backups of the existing database for seamless future recovery.
13	1	1/2/2025	1/8/2025	7	Documented key lessons learned from the development process, emphasizing areas for improvement and successes to carry forward. Analyzed SonarQube reports to determine which metrics were most relevant for inclusion in the project's documentation.
14	2	1/9/2025	1/15/2025	11	Authored a comprehensive progress report summarizing the project's achievements, challenges, and next steps.
15	3	1/16/2025	1/22/2025	12	Oversaw the release preparation process, verifying that all deliverables were accounted for, clearly marking incomplete tasks, and ensuring the documentation was finalized with all required components integrated.
16	4	1/23/2025	1/29/2025		

Project Week	Calendar Week	From	To	Hours	Activities
1	41	10/10/2024	10/16/2024	18	Finalizing homepage design in Figma; refining user flow and layout consistency; studying UX best practices.
2	42	10/17/2024	10/23/2024	14	Designing login page in Figma based on feature requirements; iterated on user stories for better clarity; studied UX best practices to align design with user needs.
3	43	10/24/2024	10/30/2024	25	Beginning coding phase with React and Tailwind CSS; setting up the development environment; coding the basic homepage layout by translating Figma homepage design into code.
4	44	10/31/2024	11/6/2024	25	Coding the homepage layout; dealing with configuration issues in React; studying CSS documentation for adjustments in size and placement; implementing responsive design with Tailwind CSS.
5	45	11/7/2024	11/13/2024	14	Coding the login page layout; Debugged and fixed rendering issues in the login page such as fixed a rendering issue causing misaligned elements in the login page
6	46	11/14/2024	11/20/2024	20	Developed modules for both the homepage and login page using React, including creating and refining components such as search bars, buttons, and other reusable UI elements. Enhanced the design consistency by integrating Tailwind CSS configurations for better responsiveness
7	47	11/21/2024	11/27/2024	10	Spent considerable time learning and practicing Git workflows such as branch management, pull request reviews, and resolving merge conflicts, including making pull requests, committing changes, and pushing updates to the repository. Started working on creating a dedicated page for tutors to make profiles. This task involves implementing functionalities like image upload (with drag-and-drop support), defining course details (course name, short and long descriptions with character limits), selecting categories from a predefined list, and adding optional start and end dates.
8	48	11/28/2024	12/4/2024	8	Collaborated with Anastasia to create the initial version of the Create Course page for tutors. Implemented the structure with basic features, including fields
9	49	12/5/2024	12/11/2024	10	Added and optimized functionality for the Create Course page, such as date selection (start/end dates) and image upload with drag-and-drop support. Debu
10	50	12/12/2024	12/18/2024	10	Resolved screen size optimization issues for the Create Course page. Ensured responsiveness across different devices and screen resolutions. Conducted
11	51	12/19/2024	12/25/2024	14	Spent time addressing feedback from the pull request review process, which delayed further progress which had to do with making the backend containers dynamic to better handle different configurations and environments. Encountered challenges in setting up Docker containers and backend server locally, requiring significant troubleshooting and research.
12	52	12/26/2024	1/1/2025	13	Created a mockup of the backend schema to simulate backend functionality and cmpleted initial implementation and testing of the course page using this
13	1	1/2/2025	1/8/2025	16	Successfully configured the backend server and Docker containers locally after overcoming setup challenges. FInally made the pull request and proceeded with learning about how to do frontend testing.
14	2	1/9/2025	1/15/2025	6	Conducted extensive manual testing of the course page, ensuring all dynamic functionalities (e.g., login button, data validation) worked correctly with the backend. Began documenting bugs and issues discovered during testing, focusing on data flow, UI responsiveness, and backend communication.
15	3	1/16/2025	1/22/2025		
16	4	1/23/2025	1/29/2025		

Project Week	Calendar Week	From	To	Hours	Activities
1	41	10/10/2024	10/16/2024	9	Preliminary research on the topic "Online Tutoring Platform". 2 team meetings and a meeting with Professor to discuss how to get started with the project. Team meetings involved brainstorming different approaches to take and the kind of platform we want. After the discussions, wrote a "Stakeholders" section for the vision document.
2	42	10/17/2024	10/23/2024	4	1 Team meeting to discuss the assignment of tasks and roles in the team. Discussion with Professor about the Vision Document and a few FAQs about the project decisions. Setting up the project management tools. Final decisions on what the project is exactly about. Another small team meeting to discuss further steps by each member.
3	43	10/24/2024	10/30/2024	9	Created mock ups for the UI design for each tentative page for the website. 1 daily scrum with the professor followed by further discussion and 1 team meeting. Researched on various types of tech stacks and frameworks to use for frontend in combination with backend. Finally decided on the PERN (PostgreSQL, Express, React, Node.js) stack. Created user stories for the topic: Search/Query
4	44	10/31/2024	11/6/2024	8	Sat with the backend team to refine user stories/backlogs and specify tasks for frontend and backend for each story/backlog item. Spent a lot of time learning relevant React skills for this project, including, component-based architecture, state management, react routing, data and form handling and validation, responsive design, and hooks. 1 team meeting and daily scrum with Professor.
5	45	11/7/2024	11/13/2024	12	Started the first sprint and my own ticket and branch (homepage and search). Created the structure of the frontend project and setup the connection with backend. Pair programming with Pavani Pavani in which she observed and learnt how to use components, states, effects, etc. as I was working. Sat with the backend team to discuss everyone's tasks and how frontend and backend will communicate.
6	46	11/14/2024	11/20/2024	35	Started working on the pages of the website. Made the Home page with dynamic data from the backend, including the counts of courses, tutors, and students and the loading of categories. Added the search functionality with filters to search for courses or tutor. Made the search results page for tutors and courses. Made the login and signup page, no connection to backend yet. Met with backend to discuss APIs
7	47	11/21/2024	11/27/2024	30	Made the individual course page, individual tutor page with connection to the backend and a lot of bug fixes and improvements throughout the website. Added the search by category feature. Added first iteration of a react test to work with the pipeline. Sat with the backend team to discuss and test next set of APIs. 1 team meeting to discuss everyone's progress and resolve any miscommunications. Created documentation of the pages so far(with screenshots).
8	48	11/28/2024	12/4/2024	8	1 meeting with backend to get familiar with the new structure and functionality and dicussed how to go further for the frontend. Worked on validation for the login and signup page and fixed a few bugs in other pages. Tested first version of a new modal for the login based on the discussion in the aforementioned meeting.
9	49	12/5/2024	12/11/2024	5	Meeting with Nikolai to discuss how Chats/Messages/WebRTC will be implemented. Coded the frontend design for chat and messages interface and tested with dummy values while backend prepares the APIs. Meeting with Erind and Gor to discuss the process and distribution of work for WebRTC and Chat
10	50	12/12/2024	12/18/2024	15	Started testing the authentication logic provided by the backend (JSON Web Tokens, Login, Register). Completed the testing of WebRTC on a standalone page with two users being able to call each other.
11	51	12/19/2024	12/25/2024	40	Implemented fully functioning authentication logic with Login, Register, State Management, Protected and Public Routes, Role-based Routing and Restrictions. Added additional controls to the video call to toggle video and audio and improving the video quality and frame rate. Integrated the standalone WebRTC page with the website (added it to the messages page). Improved the messages page with better UI/UX and added a few dynamic elements. Simulated messages and communication between users while I wait for backend to implement the web socket for messaging.
12	52	12/26/2024	1/1/2025	10	Communicated with team members on progress updates, next steps, etc. Pulled new merged code from backend and made changes to the updated API endpoints from refactor. Fixed a few issues with authentication security issues. Discussed with Nikolai how to implement the booking system. Initial testing of WebSockets for chats after implementation completed from backend. Fixed bugs with CORS and SecurityConfig for the backend connection.
13	1	1/2/2025	1/8/2025	20	Implemented the complete chat functionality with WebSockets, and fixing a lot of bugs on the way. Added frontend features in connection with backend like read/unread status, scrolling to latest message, expanded text field, and searching through all chats. Added automatic creation of chat when student wants to message a tutor from a Tutor Info page.
14	2	1/9/2025	1/15/2025	25	Discussed with Jossin how to implement some restructuring for WebRTC. Changed endpoints received from backend. Made changes to WebRTC server and client side code to test the new structure. Fixed a bug caused by the process in react. Finally implemented the final WebRTC video call feature using socket-io and simple-peer. Everything works, no bugs related to the WebRTC communication. Added the tutor-centre page that populates all the courses created by that tutor. Had to redo most of the course creation page implemented by Pavani because it was not at all functional and half of the code did not make sense. In that, I fixed the dynamic elements that connected to the backend/API and also fixed a lot of UI to match with this. Added reviews to the course and tutor page and also displayed all the tutor's courses on their page.

Project Week	Calendar Week	From	To	Hours	Activities
15	3	1/16/2025	1/22/2025	62	Made the WebRTC socket connection global to the website instead of just at the Call page. Added a global call notification. Redesigned the video call interface for a modern and sensible look. Integrated video call initiation into the messages tab so that everything fits in together. Fixed toggling of video and audio for the opposite party and also fixed the call ending logic. Fixed an issue with the stream being on after ending the call. Updated chat creation endpoint request body to include the creatorId. Added numerous improvements to the course page including a banner image based on the category, start/end date, duration, language, and course recommendations. For students, added the option to enroll/unenroll and for the tutor whose course it is, added the option to see the enrolled students. All actions/components have a lot of checks being done to see if the user is authenticated and has the appropriate role to do the action, in case of malicious actors. Made a fix to the messages page that will not show empty chats that aren't created by the current user. Added meetings; for the tutor, allowing to create a meeting and seeing the current meetings; for the student, if enrolled to the course, allowing to book or cancel a meeting and see meeting information. Changed the design of the course page to a better layout so that reviews, enrolled students, and meetings can all be seen at one place. Added functionality to edit and delete course and meeting. Added confirmation dialogs for all critical actions like deleting or withdrawing. Added edit and delete options to the user account page and redesigned it to include a few more elements like stats, edit states and buttons. Added option to rate a course and also added filtering for search results based on the average rating. Changed the layout of tutor search results a bit to incorporate the average rating and filters. Fixed delete course and delete user functionalities. Added rating tutor and changed the design of the tutor page a bit. Added a page to view all meetings for students and tutors. Made a lot of finishing touches to the overall experience of the web page with smooth transitions, icons for buttons, empty and error states, better consistency of the UI and better UX. Made a lot of bug fixes. Fixed the structure of the code and shifted a lot of code to components for cleaner code. Made a consistent approach for validation in forms using Tooltips and error handling.
16	4	1/23/2025	1/29/2025		

Project Week	Calendar Week	From	To	Hours	Activities
1	41	10/10/2024	10/16/2024	4	Project discussions on vision, general user stories, user roles etc.
2	42	10/17/2024	10/23/2024	10	Self-study- spring boot, backend design patterns, Use case stories discussions, Self-study- spring boot
3	43	10/24/2024	10/30/2024	10	Spring boot: Study+ discussions with backend team, Use case stories discussions
4	44	10/31/2024	11/6/2024	6	Database-schema design, Database schema revision, self-study User story revisions
5	45	11/7/2024	11/13/2024	6	Domain model and database schema discussions with team. Discussion with Prof. Volker on database design
6	46	11/14/2024	11/20/2024	6	Setting up dev containers with docker
7	47	11/21/2024	11/27/2024	10	JWT authorization mechansism self-study
8	48	11/28/2024	12/4/2024		
9	49	12/5/2024	12/11/2024		
10	50	12/12/2024	12/18/2024		
11	51	12/19/2024	12/25/2024		
12	52	12/26/2024	1/1/2025		
13	1	1/2/2025	1/8/2025		
14	2	1/9/2025	1/15/2025		
15	3	1/16/2025	1/22/2025		
16	4	1/23/2025	1/29/2025		

Project Week	Calendar Week	From	To	Hours	Activities
1	41	10/10/2024	10/16/2024	10	Research about the platform. Participated in 2 meetings with the team, a meeting with the professor, discussed how to start the project in general. The team decided how best to organize the work and what platforms to use for this. Searched for information about the Online Tutoring Platform of the "Problem Statement" section for the Vision document. Explored platforms like Jira.
2	42	10/17/2024	10/23/2024	12	Prepared agenda, reports for the meeting with the team on Confluence, documenting notes after a new meeting with the professor. Familiarized myself with Obsidian, documented the roles and their functions in Obsidian after a team meeting, where user stories were translated into roles and functions . Studied the risks in the project and created a Risk list.
3	43	10/24/2024	10/30/2024	14	Reviewed user stories and this helped us create tasks in Jira. Created a backlog, I added the most important tasks to Sprint 1 and launched it. Conducted 2 meetings with the team (each 1.5 hours). Documented meetings with the team and with the professor in Confluence
4	44	10/31/2024	11/6/2024	10	Guiding a team about timelogs, started studying architecture notebook creation for the future, studied how to provide code from Git, translated the backlog and other documents for submission
5	45	11/7/2024	11/13/2024	7	Didn't contribute that much during this week due to illness, got acquainted with the team's DB model backend, wrote documentation in Confluence after meetings, watched Youtube videos and read articles about Scrum, Agile processes for better results since I had never done this before
6	46	11/14/2024	11/20/2024	20	Started a research GDPR and Local Data Privacy Regulations, spent a lot of time reading information from official websites and YouTube channels on this topic, started writing documentation and how it could be applied to our project
7	47	11/21/2024	11/27/2024	17	Research WCAG 2.2 AA Standards, began studying this topic and continued to research on GDPR. For the future: will schedule a meeting with the backend team to clarify details on this topic and how this may affect our project
8	48	11/28/2024	12/4/2024	11	Collaborated with Pavani in order to create the initial version of "Create a Course" page for turors, a structure with basic functionality has been implemented, including fields for the course name, brief description and category selection. Took notes from the meeting with the professor for Confluence, searching for how to formalize lessons learnt and presentations
9	49	12/5/2024	12/11/2024	15	Completion and execution of the WCAG 2.2 document. Analyzed alignment issues and assured appropriate UI appearance, added features to "Create a Course" page, such as date selection and image uploading by draging and dropping it
10	50	12/12/2024	12/18/2024	12	Got acquainted with the structure of work in git, with the functionality for interacting with existing branches. The problem of screen optimization of "Create a Course" page has been clarified and a solution has been found for displaying content on any screen - responsive page. Pavani and I tested the layout and functionality of the page, we also used the design of previous ready-made pages: interface components so that the design matches each other, for which I became familiar with the git functions - extract and compare code from pages of other branches
11	51	12/19/2024	12/25/2024		
12	52	12/26/2024	1/1/2025		
13	1	1/2/2025	1/8/2025		
14	2	1/9/2025	1/15/2025		
15	3	1/16/2025	1/22/2025		
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