

CMPE 352-Milestone 1 Report

Group 3

Arif Akbaba
Mehmet Gökberk Aslan
Bilal Aytekin
Nurlan Dadashov
Hatice Şule Erkul
Kadir Ersoy
Ahmet Kudu
Mertcan Özkan
Muhammet Şen
Bengisu Takkin
Salim Kemal Tirit
Burak Yılmaz

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Executive Summary

Project description

This project is an online learning platform which can offer such environments independent of the location of the teachers and learners. There are two types of users in our platform, one is an admin user and the other type of user can be a lecturer and a learner depending on the course. Lecturer implies anyone who knows something well and can teach it and learner is anyone who is interested in learning. This departs from the classical educational course room context. In this platform, users can enroll in a learning experience where they will utilize resources and solve problems. They can monitor their progress of the enrolled course. They can create notes related to what they are learning and share notes with others. They can also connect notes, annotate and tag them. The users can also create a course and decide its contents. We call owners of courses "lecturers". Lecturers can organize in-person meetings by specifying locations, dates, duration, and other relevant information using the platform. Lecturers can also create polls to help the learners to contribute some decisions taken during the lecture. Polls can be in three options: anonymous mode, multiple answers, and quiz mode. Lecturer can also have reputations based on the feedback gathered by the learners as they learn. This platform provides users to create their own a profile that describes their interest and their knowledge. Users be able to follow other users and be able to see the activities/achievements of those they follow in this platform. This platform offers semantic searching, browsing, and recommendations to offer a rich learning environment. The system of this platform makes recommendations based on the learning experience. This platform supports Android, and Web so that it is available on both mobile and the web. We also take into consideration ethical concerns while designing our platform. Therefore, we follow the rules of KVKK and GDPR and the standards of W3C as a software project.

Project Status

At the beginning of course, we were not experienced about the design issues. At first, we all discussed about tasks and made joint decisions. Afterwards, we started dividing each task into sub-tasks and tried to give responsibility to every member of the team. Each friday we have regular meetings. We talk about the assignments at the hand, the status of our project, what we will do next week, and how to distribute the given tasks. We assign each task to someone and decide about a deadline for each task. Everyone comes forward for every task and does the tasks before the deadline. First, we created a communication plan because we need to be in contact all the time. In order to do that, we created groups on Whatsapp and Slack in the first team meeting. Then, we focused on our project and decided about the requirements. We created mock-ups and scenarios. We met with the customer and rearranged requirements considering the customer's wishes. Then, we focused on mainly on design and created use case diagram, class diagram, sequence diagram.

Forward Plans

We have created a guideline to help us implement the project until now. We will decide about our project plan to know the time a task will be finished. We will start the implementation of the app. We need to decide which team members will develop frontend, backend and mobil application. We are going to discuss about the tools and frameworks, which might be useful for us. We need to find out which programming languages, services and APIs to use and conduct research and learning on those tools. We know that through the life

time of project we will run across some obstacles. So, we will continue to arrange meetings frequently about those situations to ensure that everything is clear.

List and Status of Deliverables

Deliverable Name	Delivery Status	Due Date	Delivery Date
D1- Project Repository	Delivered	08/03/2022	07/03/2022
D2- Requirements	Delivered	30/03/2022	29/03/2022
D3- Software Design Documents in UML	Delivered	06/04/2022	04/04/2022
D4- Project Plan & RAM	Delivered	15/04/2022	14/04/2022
D5- Milestone Report	Delivered	15/04/2022	15/04/2022

Evaluation of the Status of Deliverables

Initial draft for requirements were created at the very start of the project, based on the project description to capture the general idea of the project. After the first customer meeting, a new version was created based on the feedback given by the customer. Throughout the project, we continued editing requirements based on feedback, also there were two major changes in the requirements. The first major change was made while creating the mockups and scenarios, where we needed to consider the user requirements thoroughly. The second major change was made while we were designing the use case, sequence and class diagrams, where we needed to specify how our project would work and interact with the users. After all these changes and improvements, the requirements are finally completed as a deliverable. Requirements are very vital to our project since it will be used to define the desired features ,with its boundaries, that our project will have to provide; along with the features that users will be using. During the creation of the very first draft; each group member was assigned to create the initial version of a subsection of requirements, then, all of initial sections were modified and changed by the group members numerous times and these changes were also reviewed by the group members in the group meetings.

Evaluation of Project Repository

- **Welcome Page - README.md:** This is what the people see when they first visit the repo. So, it is important. There, we have created an introductory page to show who the team members are, with their profile photos. We were a bit late to do that, but we have completed and created a good looking welcome page.
- **Wiki Page:** This is where all of our documentation resides. We have developed this page with the following headers as we kept on doing researches, adding documents etc. As a result, we have created a simple and minimalistic wiki page.
- **Requirements** We simply listed all our requirements here. Similar to wiki page, this one is also relatively simple and minimalistic. For ease of readability, we also created dropdown-like buttons using HTML.

- **Questions about Requirements** We have gathered the questions to be asked to customer. After the meeting, we have concluded the answers under the corresponding questions. This helped us keep the misconceptions/problems organized.
- **User Scenarios and Mockups** Under this topic, 3 links have been created, each with their corresponding use cases and their mockups. Overall, it led to easy access to the scenarios, also keeping them organized and uniform.
- **Diagrams** We gathered all our diagrams under this header.
 - **Use Case** Under this, we have put our use-case diagrams.
 - **Class** Under this, we have put our class diagrams.
 - **Sequence** Under this, we have put our sequence diagrams individually.
- **Team Members** We have all created a personal page under this. This makes the repo a bit more special, showing diversity of the team. A good touch indeed.
- **Communication** We have created our communication plan and documented under here. It helped us uniform and showcase them with ease.
- **Meeting Notes** For each week, note taker documented their notes here. Again, simplicity and availability is the first criteria.
- **Research** In this repo, apparently, we all could have 'contributed' by editing some small details. However, we chose to gather necessary info in Slack channel, assigning a teammate to summarize under this topic. This cost us much.
- **Templates** For any type of template, used this to keep track of and easily find the templates. This was helpful especially for creating some documentation conventions.
- **Personal Effort** We have stored our weekly efforts under here weekly. Helped us solidly showcase our hardwork.
- **Issue Tracking** For each atomic tasks, we usually created the issues and assigned themselves. For batch processes, we created an issue for tracking the batch effort, where everyone needed to bind their work together/needed to work together. This again helped us remove some chaos from the issues, keeping them necessarily intact.
- **Customizations:** For more distinct and understandable issues, we have created multiple tags covering different necessary meanings. We have created an issue template so that the issues would look uniform, leading to less distraction on different issues. Although, having done that in the earlier stages would be better.
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Evaluation of Requirements

Initial draft for requirements were created at the very start of the project, based on the project description to capture the general idea of the project. After the first customer meeting, a new version was created based on the feedback given by the customer. Throughout the project, we continued editing requirements based on feedback, also there were two major changes in the requirements. The first major change was made while creating the mockups and scenarios, where we needed to consider the user requirements thoroughly. The second major change was made while we were designing the use case, sequence and class diagrams, where we needed to specify how our project would work and interact with the users. After all these changes and improvements, the requirements are finally completed as a deliverable. Requirements

are very vital to our project since it will be used to define the desired features ,with its boundaries, that our project will have to provide; along with the features that users will be using. During the creation of the very first draft; each group member was assigned to create the initial version of a subsection of requirements, then, all of the initial sections were modified and changed by the group members numerous times and these changes were also reviewed by the group members in the group meetings.

Evaluation of Scenarios and Mockups

To demonstrate the platform's usability and globality, user scenarios should be real-life examples that everyone can appreciate. They should depict diverse types of individuals with varying desires. Event creation, creating discussion, and note taking are the three user scenarios we created. From the requirements, we were able to clearly identify the personal backgrounds of distinct users, what they desire, the preconditions, goals, and acceptance criteria for these situations. We were able to come up with new design and feature ideas for our platform by thinking about the activities step by step for the situations. This helped us come up with new design and feature ideas for our platform that would help users utilize the platform more efficiently. So, during the preparation mockups and scenarios, we modified the requirements.

Evaluation of UML Diagrams

We started creating our UML diagrams without deciding on a template because we thought that it would be easier if we reviewed all the work together at the meetings instead of spending so much time on creating a template for something that could differentiate way too often since different use cases or different sequence diagrams require a totally distinct approach. For use case and class diagrams we used lucidchart, however in sequence diagrams some of us found it easier to create sequence diagrams using plantUML whereas the rest remained to create theirs with lucidchart. We did not need to alter the use case diagrams too much but for class and sequence diagrams, we needed to modify them several times. We asked plenty of questions to the TA during our customer meetings and we finalized our design accordingly.

- Use Case Diagrams: We split the use cases to every group member so that all of us would contribute to the creation of the diagram. We did not need to alter the use case bubbles all that much, but we did modify the arrows between them a lot since the initial creating had plenty of mistakes.
- Class Diagrams: Like use case diagrams, we also split the class and sequence diagrams between us. Our initial creation looked somewhat successful but as we started creating our sequence diagrams, we found out that some of the needed functions were missing. We modified the class diagrams accordingly and we also did not include any getter-setter functions in our class diagrams since that we asked whether if we should add them or not and the answer we got was that we better not add them since they are not necessary to show.
- Sequence Diagrams: We decided that everyone should create the sequence diagram of the use case they made. In the customer meeting, we received feedbacks to our drafts and it was mainly about the fact that our initial creations are a little complicated and that we need to simplify our sequence diagrams. We did the necessary simplifications and finalized our sequence diagrams.

Evaluation of Project Plan

The baseline of the **project plan** mainly depends on the RAM, responsibility assignment matrix. We decided to prepare the RAM(#134) before the project plan so that we can extract the tasks done during the whole project process. After that the tasks has been decided at the RAM table, we constructed the **project plan** upon those tasks using projectLibre([#projectplanissue](#)). Essentially, looking through github issues related to RAM tasks, project plan has been prepared by inserting the assignee, start time and end time data of the issues into a projectLibre document. For the future tasks, team got together to plan, estimate what kind of work will be done along the road upon accomplishing our project and what would be the schedule of it. **Project plan** was finished with adding the future tasks on top of the projectLibre document.

Evaluation of RAM

In the Responsibility Assignment Matrix, one can clearly see who did what task and who helped them, reviewed the work and so on. The tasks in the RAM are the tasks we have done for the current version of deliverables. We did not include any tasks that are completed but removed from the deliverables for one reason or another. There are labels for describing how a teammate contributed for the tasks. They are : Lead (L), Secondary (S), Contributor (C), Reviewer (R), and finally None (N). Leading a task means that a team member either does the job (with or without other team members), or he/she tracks how it's done and/or when it is done. Secondary label means a team member helped the lead of the task, and he/she made same effort with the lead. Contributor of a task means some parts were done by the contributor however it was less compared to the lead, or it can mean a task is shared between all the team members and everyone has almost the same workload. Reviewers are the team members checking the outcome of the task after it is done. None label is used when a team member was not involved in a task at all. In our resulting RAM, we have a lead for all the tasks we have done so far, except the research tasks. For requirements, class diagrams, use case diagrams and sequence diagrams, we reviewed them in the group meetings, because of that, we all have review label under our names in those task categories. Filling in the matrix showed us how we worked until now in a more structured way.

Evaluation of Communication Plan

All in all, I think our team used the chosen tools for communication effectively. Whenever a problem would be brought up to the attention of the team, they would immediately act to solve the problem. We used Zoom for our weekly meetings. Zoom is a great platform; however, the 40-minute restriction made it harder to use. One of the first things we did as a group was to set up a Slack workspace. We use slack to communicate while working on some tasks. We created appropriate channels to keep conversations about different topics apart. We use Whatsapp for urgent communication and just chatting. We additionally use Github issues to communicate about a specific issue.

Evaluation of Tools Used

Github

Github is the main platform we used in our project. Basically, we did everything and put everything on Github. We documented our requirements, questions, communication plan, meeting notes, personal efforts, user scenarios and mockups, and UML diagrams on Github. In the meetings, after discussing the meeting

agenda and deciding who will do what we wanted everyone to open a related issue for that task. We have used the issue system to track our progress. It increased our collaboration since we could comment on issues. We have used the markdown feature of GitHub exclusively in our issues and wiki pages. We used it to create checkboxes for subtasks of an issue, links to connect relevant pages, tables to show things in an ordered fashion, headers to create titles for the parts, bulleted or numbered lists to create lists, and bold, italic, emphasis features to emphasize some words. We haven't used the code part of Github yet since we didn't do any implementation but the version control system part helped us to track the differences between edits of a page. We also used the sidebar of GitHub to keep our wiki page organized. We used [README](#) to create a nice page to introduce ourselves and the project.

[Lucid.app](#)

We used the lucid app to draw our diagrams. It allows us to work together on the same document. For example in the class diagrams everybody created the given class in the same document then we ordered them together in a zoom meeting. For the use case diagram, we build it part by part in the same graph and reviewed it in a meeting. It shows who is doing changes currently in the document but it doesn't show the information from the past. It can be tiring to try to find the owner of a change. Other than that it provides a solid, collaborative environment with many beautiful options of shapes. It is easy to use, moving objects and connecting them with arrows is pretty easy.

[Draw.io](#)

We used draw.io to create our mockups. First, we wanted two of our friends to create a base for web and mobile mockups. They created two beautiful templates and shared them with us. After that, every group created one mockup for web and one mockup for mobile. It is easy to use and has many options. Exporting as a png option is very useful. You can export without a background and as a single file. We used this feature in some of our mockups.

[PlantUML](#)

Some of us used plantUML to create sequence diagrams. It takes care of the drawing part itself and it is closer to coding. It creates arrows, "alt" or "for" boxes in a structured fashion. It creates the actors, participants, and database automatically. It is also symmetric about these one on the top and one on the bottom. It can also be used to create other types of diagrams but it is easier to do them with lucid app

[VS Code Markdown PDF](#)

This is a tool that we have used during the preparation of this document. Since we all got used to the markdown feature of Github we decided that we can write this document in Github under relevant issues and then connect it in a single PDF file. This tool can embed links, create tables, show emphasizes, and even create plantUML diagrams inside the pdf. It is very useful and can be used inside vs code. It can export in pdf, html, png, and jpeg formats.

[Slack](#)

We used slack as a platform to communicate with our friends and teachers about the project. We asked questions and checked the answers. We created a separate workspace for our group only. We used it to communicate between the group members, share helpful links, and bring together questions. Inside this workspace, we created groups when we needed them. For example, we created three groups for the user

scenarios and mockups. Creating different text channels helped us increase our productivity since we could easily follow multiple topics at a time.

WhatsApp

We used WhatsApp to communicate instantly and discuss small things. Since we all are used to checking WhatsApp frequently it helped us communicate. WhatsApp is generally hard to track so we didn't use it for very important subjects that need to be checked by all team members. Generally, when we needed help or were not sure about a subject we used WhatsApp. We also used it for general chit-chat from time to time.

Zoom

We used zoom for weekly meetings and other additional meetings. The problem with the zoom is that since there is a time limit to the free version of the zoom our meetings got interrupted. But we used this issue to our advantage and counted zoom sessions to track the time and gave breaks after two or three zoom sessions. We shared our screens when we needed them and used the chat feature to share some links.

Google Docs

We used Google Docs when we needed to collaborate on something written. We used it to create our RAM. One of our friends created a template and another one filled the work part. Then everyone selected their own role in a work so the job is done more easily. It is free to use and like the online version of MS office so everyone is used to using it. Since it stores documents in Google Drive it is hard to lose a document.

ProjectLibre

We used project libre to prepare our project plan. It is open-source, free software. It is a desktop application and it is stated that there will be a cloud version. Apparently, the cloud version is being waited for a long time. Since it is only available as a desktop application we could not efficiently work on it. It was not practical to share the screen on zoom and try to fill a table together. It is not stable on different operating systems. Some features work in windows, others in ubuntu, and others on macOS. It has no support for M1 so it works very slow on new MacBooks. It crashes from time to time so we had to start over four times. The user interface is not good. We didn't like this program at all. It didn't make our job easier than it is. It would have been easier to do the whole plan on Paint. This program should not be recommended to any user or any group in the future. We are very disappointed about this.

Summary of Work Done

Member	Work

Member	Work
Kadir Ersoy	<ul style="list-style-type: none"> - Created a personal Wiki page. - Done research on different GitHub repositories, documented a favourite one. - Studied Git. - Tracked personal wiki pages. #2 - Reviewed requirements glossary. #15 - Reviewed previous groups' requirements pages. - Wrote the requirements for Event Organization. #25 - Documented Meeting notes 3. #28 - Gathered questions about the Requirements. #26 - Wrote User Scenario 1. #37 #53 - Documented Customer meeting 1. #58 - Documented Meeting Notes 6. #65 - Designed Use Case Diagram for Register. #79 - Designed Use Case Diagram for Create Profile. #89 - Designed Class Diagram for User class. #100 - Designed Class Diagram for UserService class. #104 - Designed Sequence Diagram for Register/Sign-up. #107 - Updated Acceptance Criteria part of Scenario 1. #103 - Handled Class Diagram relations. #126 - Designed Use Case Diagram Follow/Block User. #127 - Documented Evaluation of Project Plan. #138 - Contributed to RAM, Project Plan and to the future plan of the project. - Attended to all meetings.
Nurlan Dadashov	<ul style="list-style-type: none"> - Created a personal Wiki page. - Done research on different GitHub repositories, documented a favourite one. - Studied Git. - Reviewed requirements glossary. #15 - Wrote Non-functional Requirements. #12 - Reviewed the requirements written by other team members. - Created a web mockup for User Scenario 3. #38 - Documented Meeting Notes 5. #57 - Revising Privacy requirements. #64 - Designed Use Case Diagram for Events. #68 - Designed Class Diagram for Event class. #69 - Designed Sequence Diagram for Event Creation. #109 - Revised Event requirements. - Documented Evaluation of Communication Plan. #138 - Contributed to RAM, Project Plan, and to the future plan of the project. - Attended all team meetings.

Member	Work
Mertcan Özkan	<ul style="list-style-type: none"> - Created personal wiki page - Created and customized labels for issues #7 - Done research on different git repos and choose a favourite one. - Studied Git. - Created the system requirements profile page. #24 - Edited system requirements-profile page ,with all of its subsections , multiple times based on feedback. #51 #31 #130 - Created user scenario 1 with kadir. #37 - Reviewed user scenario 1 mockups. - Crated use case edit view profile page. #80 - Reviewed create profile use case written by Kadir , then merged it with use case edit view use case. - Created class diagram personal information. #92 - Created sequence diagram - edit profile page #120. - Written evaluation of requirements for milestone 1 report. #137 - Tracked editing the acceptance criteria of scenerios after requirement changes. #103 - Tracked class diagram writing conventions. #123 - Participated in all group and customer meetings. - Created my part of individual work in milestone 1 report. - Helped in creating the project plan and talked about future plans. - Created weekly effort page for all weeks.
Mehmet Gökberk Arslan	<ul style="list-style-type: none"> - Created a personal wiki page. #2 - Did repository research, chose a favourite one and added it to the corresponding wiki page. #5 - Studied git and prepared a wiki page for it. #9 - Learned Markdown. - Wrote the requirements for recommendations. #16 - Created the mobile mockup for scenario#2 creating a discussion. #46 , #50 - Created the use case diagram for enrolling a course and contributed to the use case diagram for viewing course content. #87 , #71 - Created the class diagram for comment class. #85 - Created the sequence diagram for enrolling a course. #116 - Joined all the group and customer meetings. - Documented my personal effort every week. - Wrote the evaluation of UML diagrams in the milestone report. #142 - Filled in my part of the RAM. #134 - Contributed to the future project plan. - Created my part for individual work in milestone report.

Member	Work
Bengisu	<ul style="list-style-type: none"> - Created a personal Wiki page. - Done research on different GitHub repositories, documented a favourite one. - Studied Git. - Wrote user requirements. #18 - Reviewed the requirements written by other team members. - Documented Meeting Notes 2 #19 - Created a template for Main Page for Web #35 - Created a template for Course Page for Web #36 - Created Persona for Scenario 3. #45 - Revised User Requirements with @salimtirit. #60
Takkin	<ul style="list-style-type: none"> - Documented Customer Meeting #2 Notes #61 - Made drastic changes in the User Requirements according to the team revisions with @salimtirit and @muhammetssen. #63 - Created a Use Case Diagram for Create Content. #75 - Created a Class Diagram for Email Service. #77 - Tracked the revisions of the Use Case Diagram Relations. #121 - Tracked Weekly Efforts #6 #128 - Created a Table for Deliverables with Their Statuses. #144 - Contributed to RAM, Project Plan, and to the future plan of the project. - Attended all team meetings.
Bilal Aytekin	<ul style="list-style-type: none"> * Created a personal Wiki page. * Created a personal effort page draft. #3 * Searched for original GitHub repos, reported the vscode-lean4. * Watched the "Git for Ages 4 and Up". * Completed the "Infrastructure Setup" task on Moodle. * Prepared the search engine requirements, revised according to the team and customer reviews. #13 * Reviewed the requirements written by other team members in team meetings. * Created the mobile mockup for Scenario #3. #41 * Detailed the privacy section of requirements. #54 * Designing the use case diagram for searching functionality. #81 * Designed the class diagram for the SearchService class. #82 * Designed a sequence diagram for searching. #105 * Filled the responsibility assignment matrix. * Collecting all the evaluations, diagrams and personal efforts reports and compiling them for the Milestone 1 Report to be submitted. #145 * Documented my personal efforts weekly. * Attended all the meetings, both team and customer.

Member	Work
Muhammet Sen	<ul style="list-style-type: none"> - Created a personal Wiki page. - Investigated different repositories to understand how to use wiki and issue systems in an efficient way. Moreover, documented my favorite one - Documented Meeting Notes #1 04.03.2022 - Reviewed and tracked #27 requirements. Added requirements prepared by other team members to wiki page as they get completed and reviewed. - Created Scenario 2 #48 - Tracked Weekly Efforts 4 #59 - Changed the design of the requirements page in order to increase readability. #76
Hatice Şule Erkul	<ul style="list-style-type: none"> - Designed the use case diagram for Managing Notes #78 - Designed the class diagram for Note #84 - Designed the class diagram for Enrollment #88 - Designed the class diagram for Feedback #113 - - Designed the class diagram for UserService #104 with @ersoykadir - Improved the integration between Enrollment and Badge classes by collaborating with @hsuleerkul #97 - Documented Meeting Notes #5 04.04.2022 #98 - Created sequence diagrams for Managing Notes #119 - Tracked statuses of all sequence diagrams #131 - Prepared project plan #148 <ul style="list-style-type: none"> - Created a personal wiki page - Documented my favorite Github Repos here and here - Edited Wiki Home page and the sidebar. #1 - Wrote the Glossary of the Requirements. #15 - Documented the Answers of Questions about Requirements page. #30 - Created a template for Mobile Mockups. #32 - Wrote the Acceptance Criteria of Scenario 2 #44 - Edited the Glossary of the Requirements to add new terms and update the ambiguities. #56 - Prepared a use case diagram for View Course Content functionality #71 - Prepared a Class Diagram for Achievement class #72 (Later Removed)
	<ul style="list-style-type: none"> - Revised the Requirements, added Feedback functionality into it. #73 - Discussed about overlapping features of Achievement and Enrollment classes with @muhammetsen. #97 - Created the Class Diagram for Badge Class. #99 - Created the Class Diagram for Feedback Class. #114 - Prepared a Sequence Diagram for Modifying Custom Badges #101 - Prepared Sequence Diagrams for Viewing Course Content #129 - Updated the Acceptance Criteria of Scenario 2 #103 - Updated my Use Case Diagram's issue's description. #108 - Documented meeting notes of Meeting #9 #122 - Tracked the task list for Milestone 1 Report. #132 - Documented Task List for RAM and Tracked Completion Progress. #134 - Wrote an evaluation of RAM. #136

Member	Work
Burak Yilmaz	<ul style="list-style-type: none"> - Created a personal Wiki page. - Prepared communication channel #10. - Done research on different GitHub repositories, documented a favourite one. - Studied Git. - Track weekly efforts - 2 #20. - Documenting System-Communication Channel Requirements #21. - Documenting System-Annotation Requirements #22. - Generated and commented questions about the Requirements. #26. - Created User Scenario 3 #42, #52. - Configure and distribute Lucid app #62. <p>- Designed Use Case Diagram for Create Poll #66.</p> <p>- Designed Class Diagram for Poll class #67.</p> <p>- Track weekly efforts - 5 #90.</p> <p>- Updated Acceptance Criteria part of Scenario 3 #103.</p> <p>- Designed Use Case diagram for Admin #106.</p> <p>- Tracking the addition of requirements to use case scenarios #108.</p> <p>- Created Sequence Diagram for Poll Actions #117.</p> <p>- Created Sequence Diagram for Admin actions #118.</p> <p>- Evaluated Project repository #143.</p> <p>- Contributed to RAM, Project Plan.</p> <p>- Attended to all the meetings.</p>
Arif Akbaba	<ul style="list-style-type: none"> - Created a personal Wiki page. - Done research on different GitHub repositories, documented a favourite one. - Studied Git. - Research about Markdown - Created favorite GitHub repositories page - Tracked all team members favorite repositories research. #5 - Reviewed the requirements written by other team members. - Reviewed previous groups' requirements pages. - Wrote the requirements for Note Taking. #23 <p>- Design Mobile Mockup Scenario 1. #40</p> <p>- Adjusting Mobile Mockup Scenario 1. #49</p> <p>- Designed Use Case Diagram for Create Course. #83</p> <p>- Designed Class Diagram for Course class. #86</p> <p>- Designed Sequence Diagram for Create Course. #112</p> <p>- Documented Executive summary for M1. #140</p> <p>- Filled the responsibility assignment matrix.</p> <p>- Contributed to RAM, Project Plan and to the future plan of the project.</p> <p>- Participated in all group and customer meetings.</p> <p>- Created weekly effort page for all weeks.</p> <p>- Wrote my part of individual work in milestone 1 report.</p>

Member	Work
	<ul style="list-style-type: none"> - Created a personal Wiki page. - Done research on different GitHub repositories, documented a favorite one. - Studied Git. - Watched the "Git for Ages 4 and Up". - Created Communication Plan Page. (issue #6) - Updated communication plan. #14 - Documenting User Requirements #17 - Reviewed the requirements written by other team members. - Created web mockup for user scenario # 1 #39 - Revised User Requirements with @Brunettow #60
Salim Kemal	<ul style="list-style-type: none"> - Changed the User part in the Requirements with @Brunettow #63
Tirit	<ul style="list-style-type: none"> - Designed Use Case Diagram for Login / Sign in #91 - Designed Class Diagram for AuthorizationService class. (This class is deleted afterward.) #94 - Designed Class Diagram for Chapter class. #111 - Documented Meeting Notes 8. #115 - Designed Sequence Diagram for Login / Sign in #124 - Wrote an evaluation of the tools used #135 - Contributed to RAM and Project Plan. - Participated in all the meetings. - Created a weekly effort page for all weeks. - Wrote my part of individual work for the milestone 1 report.
Ahmet Kudu	<ul style="list-style-type: none"> - Created a personal Wiki page. - Done research on different GitHub repositories, documented a favourite one. - Studied Git. - Updated readme file - Reviewed previous groups' requirements pages.- Designed web mock-up for the scenario 2 - Designed for the issue template - Added admin modulation to the requirements #74 - Designed Use Case Diagram for Discussion Forum. #93 - Designed Class Diagram for Discussion Forum class. #95 - Designed Sequence Diagram for Discussion Forum. #102 - Added comments to glossary and improving requirements #110 - Written an Evaluation of Scenarios & Mockups #139 - Contributed to RAM, Project Plan and to the future plan of the project. - Attended to all meetings.

Communication Plan

Communication Channel	Purpose	Frequency	Participants
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Communication Channel	Purpose	Frequency	Participants
 Zoom	Main platform for online meetings. Wednesday meetings are for quick discussion and distribution of tasks. Friday meetings are to discuss the updates and to share ideas on them. There may be another distribution of tasks in Friday meetings.	Every Friday between 20.00-22.00 & Every Wednesday between 17.00-19.00	All Team Members
 Slack	Main platform for the communication between group members about the project. Used for important announcements and updates.	All-Time	All Team Members
 WhatsApp	For instant messages. Casual talking platform. Daily communication and chatting.	All-Time	All Team Members
 GitHub	For tracking progress and creating the project	All-Time	All Team Members

Software Requirements Specification

Glossary

- **Account Activation:** Confirmation of an account registration.
- **Achievements:** A record of completed sections and/or courses of a user.
- **Activities:** A record of operations done by a user (e.g. Taken notes, saved notes, following a user, enrolling in a course, etc.).
- **Admin User:** The type of user, who is responsible for the moderation of the system.
- **Annotation:** Content referring to some other resource.
- **Badge:** The thing users gain when they complete some chapters of courses, or achieve the basic system milestones.
- **Banning a user:** Taking away a user's access to the platform.
- **Bio:** "About me" section of a user.
- **Chapter:** A part of a course that consists of course contents, if a user completes a chapter, that has a badge they will receive a badge
- **Comment:** A text that typed down by users when they reply, mention or thread messages.
- **Communication channel:** A platform users can use to get in touch.
- **Course:** Structured educational content that is uploaded by lecturers.
- **Course Content:** A part of a course that consists of a part of the course material. It can be only text or supported with audovisual media.
- **Discussion:** A forum-like post inside courses that is used to ask questions, exchange information.
- **Event:** Planned organisation in which the attendees are users of this platform.
- **Feedback:** A text consisting of thoughts of enrolled learners' of a course about that course.
- **Geolocation:** The actual location(latitude and longitude) of the user.
- **Interests:** A user's preferred topics, and courses.

- **Interface:** The graphical platform provided by this application to supply users with ease of use.
- **Knowledge:** A user's previous experience consisting of given courses if the user is a lecturer and completed courses if the user is learner.
- **Learner:** The type of user that is enrolled in a course.
- **Lecturer:** Users that can create courses, have admin privileges on the courses they created, such as; uploading content, creating events, creating polls.
- **Note Taking:** The act of recording information.
- **Meeting:** An assembly of users, created by users.
- **Poll:** A collection of opinions on a chosen matter, taken by learners, created and given by lecturers.
- **Popularity:** A degree of positive and negative opinions on a lecturer, a course, or other content in the application.
- **Prerequisite Course:** A course that is required to take another course.
- **Profile Page:** A page of a user giving information about that user.
- **Public Profile:** A profile page that every user of the application can view.
- **Private Profile:** A profile page that is only visible to that user's followers.
- **Rating:** A point from 1 to 5, of a course or a user that has created courses.
- **Recommendation:** The component of the application that can provide suggestions according to a user's past activities, interests, and followings.
- **Reputation:** Degree of a lecturer's past achievements, experience and influence on others.
- **Users:** People who are registered to the application and using it.
- **Semantic resources:** Resources that have correlation between their meaning.
- **Tag:** Identification labels of topics, and courses.
- **Topic:** A label that describes which category a course belongs to.

Functional Requirements

User Requirements

► 1.1 Account Features

- 1.1.1 Registration
 - 1.1.1.1. Users shall be able to register using a valid and unique email address, a username, and a password as defined in the security section.
 - 1.1.1.1.1. Users who are registered by providing their emails shall confirm their accounts via clicking the link sent in the confirmation email.
 - 1.1.1.2. Users shall be able to register using their Facebook, Twitter, Google account.
- 1.1.2 Log In
 - 1.1.2.1. Users shall be able to log into their account using their email and password combination.
 - 1.1.2.2. Users shall be able to log into their account using their Facebook, Twitter, Google account (if they have previously completed 1.1.1.2.).
 - 1.1.2.3. If a user enters their password wrong three times while logging in, they shall reset their password using their email.
 - 1.1.2.4. Users shall be able to reset their password via email verification by clicking Forget Password button.
 - 1.1.2.5. Users shall be able to change their password by using the profile settings page.
- 1.1.3 Log Out

- 1.1.3.1 Users shall be able to log out from their account.

► 1.2. Profile

- 1.2.1. Users shall have a profile exclusive for themselves.
- 1.2.2. Users shall be able to use the features of their profile page. (described in 2.1.2.)

► 1.3. User Actions

- 1.3.1. Users shall be able to block other users.(described in 3.3.6)
- 1.3.2. Users shall be able to follow other users.(described in 2.1.3)
- 1.3.3. Users shall be able to use the communication channel (described in 2.2.)
 - 1.3.3.1. Users shall be able to open a discussion post to ask questions.
 - 1.3.3.2. Users shall be able to make a comment to an existing question.
- 1.3.4. Users shall be able to use the note taking features (described in 2.3.)
- 1.3.5. Users shall be able to use the search engine (described in 2.5.)
- 1.3.6. Users shall be able to use the annotation features (described in 2.6.)
- 1.3.7. Users shall enroll to any course they want to.
- 1.3.8. Users shall be able to open a course in any subject, they don't need to prove any document regarding their experience on the topic. The user becomes the lecturer of the course s/he opened.
 - 1.3.8.1. Lecturers shall be able to create polls, allowed to be filled by the students enrolled in their course. The anonymity and/or the obligation of the poll shall be decided by the lecturer and declared to the students.
 - 1.3.8.2. Lecturers shall be able to organize and schedule events. The scope of the event depends on the lecturer's initiative. It can be public or private, face to face or online, free or needs a fee to enter.
 - 1.3.8.2.1. If the event is private, lecturer has to provide list of learners who can attend the event. These users shall be notified.
 - 1.3.8.3. The lecturer has the right to edit details (date/time, title, description, location, quota, list of attendees, fee) of the event.
 - 1.3.8.4. The lecturer has the right to cancel the event.
- 1.3.9. Users shall be able to delete their accounts.
- 1.3.10. Users shall be able to change their password by visiting the settings on the profile page.
- 1.3.11. Users shall be able to join the attendance list of the event that they would like to participate, for their enrolled classes.
- 1.3.12. Users shall be able to give feedback, consisting of a compulsory rating point between 1-5 and an optional text explaining their thoughts, to the classes they have enrolled.

► 1.4. Admin User

- 1.4.1. Admins shall be able to ban users for inconvenient behaviours.
- 1.4.2. Admins shall be able to delete inconvenient comments and articles.

System Requirements

► 2.1. Profile Page

- 2.1.1. System shall keep a profile page for every user registered that can also be edited by the user.
- 2.1.2. The profile page shall have the following sections:

- 2.1.2.1. Bio
 - 2.1.2.1.1. System shall keep a bio section in the profile page written by the user.
- 2.1.2.2. Achievements
 - 2.1.2.2.1. System shall keep an achievement section for each user.
 - 2.1.2.2.2. System shall keep a predefined list of badges that can be earned by user.
 - 2.1.2.2.3. Users will gain a badge when one the following occurs: learner completes a course, learner completes one section of the course, lecturer opens a new course, lecturer receives a review point that is greater than 4. (see 2.1.2.7.2.)
 - 2.1.2.2.4. The system shall allow a lecturer to add more badges to the badge list of the course they created.
 - 2.1.2.2.5. Achievement page shall be updated when a user gains a badge.
- 2.1.2.3. Interests
 - 2.1.2.3.1. System shall keep an interests' section in the profile page.
 - 2.1.2.3.2. System shall keep a predifened list for the possible interests a user may have.
 - 2.1.2.3.2.1. System shall promote users to choose from this list to define their interests' .
 - 2.1.2.3.2.2. Interests page shall be created based on the selection of user from this list.
- 2.1.2.4. Activities
 - 2.1.2.4.1. System shall keep an activities section for each user .
 - 2.1.2.4.2. Activities page shall be visible to the users that follow the owner of the profile page.
 - 2.1.2.4.3. System shall update the activities page when at least one of the following happens: learner joins a meeting, learner completes a course or a section of it, learner enrolls in a new course, learner drops a course, learner attends a quiz.
 - 2.1.2.4.4. System shall update the activities page when at least one of the following happens if user is also a lecturer in a course: lecturer arranges a meeting or joins one, lecturer opens a new course, lecturer closes a course, lecturer opens a quiz for one course.
- 2.1.2.5. Monitoring
 - 2.1.2.5.1. System shall keep track of the learner process in a course showing the following features: how many sections of a course completed so far, the remaining sections of the course, how many quizzes the learner have attended so far for each course.
 - 2.1.2.5.2. System shall keep a monitoring page section for every course that the learner takes.
 - 2.1.2.5.3. If learner drops a course, its monitoring record shall be erased.
 - 2.1.2.5.4. If user is also a lecturer, following statistics shall be kept by the system about each course that user gives: how many users have enrolled the course, how many users have completed the course, how many users have dropped the course, how many users have attended which quizzes of a course.
- 2.1.2.6. Knowledge
 - 2.1.2.6.1. System shall keep an knowledge section in the profile page.
 - 2.1.2.6.2. System shall keep a predifened list for the possable knowledge a user may have.

- 2.1.2.6.2.1. System shall promote users to choose from this list to define their knowledge.
- 2.1.2.6.2.2. Knowledge page shall be created based on the selection of user from this list.
- 2.1.2.7. Rating
 - 2.1.2.7.1. System shall keep a rating point between one to five for each user that is a lecturer.
 - 2.1.2.7.2.1. The rating point shall be the average of the ratings of the courses that user gives.
- 2.1.3. Following
 - 2.1.3.1. System shall keep record of the user profiles that are followed by the user.
 - 2.1.3.2. System shall allow a follower of a user to see the following features of a profile: achievements, monitoring, interests, knowledge, bio, activities.
- 2.1.4. Privacy
 - 2.1.4.1. Users shall be able to change privacy settings. User can have a public or private profile. (described in 3.3.6.)

► 2.2. Communication Channel

- 2.2.1. System shall provide an interface such that users can ask and answer questions.
- 2.2.2. System shall provide a discussion section for any type of user inside a course.
 - 2.2.2.1. System should support replying, mentioning and threaded messages to create a comment.
- 2.2.3. System should support sharing resources and files.

► 2.3. Note Taking

- 2.3.1. The system shall provide learners the ability to create a note.
- 2.3.2. The system shall provide learners the ability to save notes in their profile page.
- 2.3.3. The system shall show the saved notes of the learner in their profile page.
 - 2.3.3.1. The system should provide learners the option to sort notes according to date or popularity.
 - 2.3.3.2. The system should provide learners the option to show previous notes according to filtered systems.
 - 2.3.3.2.1. The note filtered system should enable learners to filter course name or lecturer.
- 2.3.4. The system shall provide learners the ability delete or rearrange note taking page.
- 2.3.5. The system shall provide registered learners the ability to connect notes, annotate and tag them.
- 2.3.6. The system shall provide learners the ability to share their notes with others.

► 2.4. Recommendations

- 2.4.1. The system shall provide a list of recommended courses to learners.
 - 2.4.1.1 The system shall provide learners the option to mark courses in the recommendations list as "not interested".

- 2.4.2. The system shall rank courses that are similar to recently completed courses of the learner, courses that have the learner's previously completed courses as prerequisites and courses that are related to the learner's area of interests higher in the recommendations list.
- 2.4.3. The system shall rank the courses of the lecturers with high reputation and courses of the learner's previous teachers higher in the recommendations list.

► 2.5. Search Engine

- 2.5.1. For any search, the result shall be broadscale in the sense that the results for any search should include those items that would be returned for another search with nearly synonymous keywords.
- 2.5.2. Courses shall be searched by entering keywords.
- 2.5.3. The search results for courses should adapt to the user, i.e. the default ranking of the results should reflect the user's behavior on the website.
 - 2.5.3.1. The courses that are similar to the user's previous courses should be ranked higher than other courses.
 - 2.5.3.2. The courses that are about a topic in which the user has shown interest should be ranked higher than other courses.
 - 2.5.3.3. The courses that are similar to those that are taken by the users that the user follows should be ranked higher than other courses.
- 2.5.4. Communication channel for discussions shall be searched by entering keywords. Those results shall be ranked according to date.
- 2.5.5. The notes belonging to and shared with the user shall be searchable.
- 2.5.6. It shall be possible to sort the results from newest to oldest or oldest to newest.
- 2.5.7. The system shall provide filtering on the results.
 - 2.5.7.1. The system shall provide filtering on the course results according to the availability of in-person meetings.
 - 2.5.7.2. The system shall provide filtering on the discussion channel search results according to topic.
 - 2.5.7.3. The system shall provide filtering on the results according to date.

► 2.6. Annotation

- 2.6.1. System shall support annotating with text, images and URI.
 - 2.6.1.1. System shall support external links in the case that users provide URI.
- 2.6.2. System shall support links that relate to semantic resources about the resource.
- 2.6.3 System shall provide a mechanism such that annotation can be applied to any context.

Non-Functional Requirements

► 3.1. Accessibility and Availability

- 3.1.1. The platform shall be accessed via both a native Android application and a web application.
 - 3.1.1.1 The web application of the platform shall support modern browsers (Chrome, Firefox, Safari, Opera, Edge).
 - 3.1.1.2 The web application of the platform should be responsive.
- 3.1.2. The platform language shall be English.
- 3.1.3 The platform should support [UTF-8](#) character encoding.

► 3.2. Security

- 3.2.1. Emails shall be valid and unique.
- 3.2.2. Passwords should be at least 6 characters long and contain at least one uppercase letter, one lowercase letter, one number, one special character.
- 3.2.3. The system shall encrypt passwords with [SHA-256](#) algorithm using a randomly generated salt. Passwords hashes and the respective salt shall be stored in the database.
- 3.2.4. Users shall not be able to perform actions that are not in the scope of their roles.
 - 3.2.4.1 Users shall not be able to access or modify the data of other users.
 - 3.2.4.2. API endpoints shall be protected with access tokens.
 - 3.2.4.2.1. New access tokens shall be generated in exchange for either user credentials or an unexpired refresh token.
- 3.2.5. Some actions, such as account activation, password change, should be allowed only via email confirmation.
- 3.2.6. The platform shall use [HTTPS Protocol](#).
- 3.2.7. All inputs provided by the user should be validated in order to mitigate attacks like [SQL injection](#).

► 3.3. Privacy

- 3.3.1. The platform shall comply with the rules specified by [KVKK](#) and [GDPR](#).
- 3.3.2. Users shall agree to the Terms of Service and Privacy Policy while registering.
- 3.3.3. Processing personal data outside the purpose of collection shall be prohibited.
- 3.3.4. A user's personal data shall be deleted as soon as it fulfills its purpose for collection.
- 3.3.5. If the personal data is to be used, the user shall be asked for consent clearly.
- 3.3.6. The system shall have two options for the visibility setting of a user profile:
 - 3.3.6.1. Public Profile: The system shall allow other users to see a user's profile if the user opts to choose the public profile option.
 - 3.3.6.2. Private Profile: System shall not allow other non-follower users to see a user's profile if the user opts to choose the private profile.
 - 3.3.6.3. Additionally, users blocked by another user shall be prevented to interact with the user who blocked them and both parties shall not view any page related to each other.

► 3.4. Performance and Reliability

- 3.4.1. The platform shall respond in at most 3 seconds.
- 3.4.2. The platform shall support at least 100 simultaneous user actions.
- 3.4.3. The platform shall support at least 10000 user accounts.
- 3.4.4. Database backup should be generated each week.
- 3.4.5. In case of failure, the platform should be back online in at most 2 hours.
- 3.4.6. The platform should have an uptime of at least 99%.

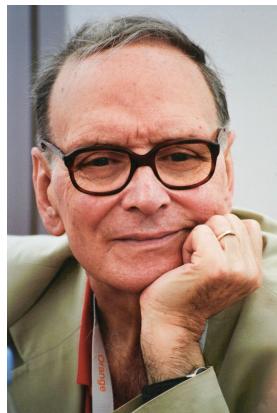
► 3.5. Standards

- 3.5.1. Annotations shall be compliant with the [W3C Web Annotation Data Model](#) and follow [W3C standards](#).
- 3.5.2. Implementation of geolocation shall obey the guidelines of [W3C GeoInfo](#).

Scenarios and Mockups

Scenario 1: Event Creation

The User, Persona



Yone is a 56 year old film critic, passionate about movies, loves talking and writing about them. After feeling the lack of having a friend to share his enthusiasm of films, he decides to share his wisdom and knowledge on films by opening a course and creating a community that would like to and be able to have discussions over movies which would allow people with similar passions to come together.

User Goals

- Aims to set up an event for his course.
- Wants to find student preferences using poll feature.

Preconditions

- Yone is already a lecturer of the platform, has an account, already logged in.
- He has an ongoing class which is at its third week.

Scenario, Actions

- After several introductory lessons for two weeks, Yone decides to organize an event, a gathering, to watch the first movie that students will write their first critique on. It will also serve as a first face to face meeting, allowing him to know students and them knowing each other.
- Yone sets up a poll to find out most preferable day and time to meet-up, aiming to maximize the attendance.
- After the results of the poll, he sets up the event on the website (according to these [criterias](#)), announcing it to every student.
- Event will be at a small cinema. Yone sets up one of the theaters reserved for this event, thus attendance will be allowed only to the enrolled students and it will have a small entrance fee. Attendance capacity is set to the number of current enrolled students.

Acceptance Criteria

- 1.3.8.1. Lecturers shall be able to create polls, allowed to be filled by the students enrolled in their course. The anonymity and/or the obligation of the poll shall be decided by the lecturer and declared to the students.

- 1.3.8.2. Lecturers shall be able to organize and schedule events. The scope of the event depends on the lecturer's initiative. It can be public or private, face to face or online, free or needs a fee to enter.
 - 1.3.8.2.1. If the event is private, lecturer has to provide list of learners who can attend the event. These users shall be notified.
 - 1.3.8.3. The lecturer has the right to edit details (date/time, title, description, location, quota, list of attendees, fee) of the event.
 - 1.3.8.4. The lecturer has the right to cancel the event.
 - 1.3.11 Users shall be able to join the attendance list of the event that they would like to participate, for their enrolled classes.
-

Web Mockup

The top half of the image shows a web browser interface with a purple header bar. The header includes a logo, a search bar, and user profile icons. Below the header, the main content area has a light gray background. On the left, there's a sidebar with 'My Courses' containing links for 'FA101' and 'FA102'. A red rectangular box highlights this sidebar. In the center, there's a 'My Courses' section with two cards: one for 'FA101' (with a video camera icon) and one for 'FA102' (with a robot icon). To the right is a 'Categories' sidebar listing subjects like Programming, Science, Art, etc. At the bottom, there's a 'Course Recommendations' section with four cards: FA356 (play button), PE108 (person meditating), VA201 (color palette), and PY101 (person with Python logo).

A red arrow points from the bottom of the sidebar area down to the second screenshot, labeled 'Lecturer Selects Related Course (FA101)'.

The bottom half of the image shows a detailed view of the 'FA101' course page. The header and sidebar are identical to the first screenshot. The main content area now features the title 'INTRODUCTION TO FILM ANALYSIS' in large bold letters. Below it, it says 'from Yone Tmen' and shows a 4.7 star rating '(81 Votes)'. There's a blue 'Edit Course Content' button. The sidebar on the left has expanded to show 'v FA101' with sub-links for 'Week 1', 'Week 2', and 'Week 3'. Under 'Notes', there's a 'Week 1' section with a summary: 'TUESDAY: Introduction to Film Analysis (summary of what this course will cover, what do we mean by analyzing a film?) American Beauty, Sam Mendes, 122 min. (Discovering inner meaning)'. Below this, there's a 'WEDNESDAY' section with a link to 'Interactive and Innovative Film Content Store: What is tall and how to talk it'.

Polls
 > FA102

Week 2

TUESDAY:
 Cinematography (Camera, Movement, Placement, Lighting, Framing. How do these elements affect the way we understand the film and set the mood of the film?)
 Citizen Kane, Orson Welles, 1941, 119 min.
 Taxi Driver, Martin Scorsese (students must watch this before class)

WEDNESDAY:
 Mise-en-scene (Reading the signs through space, art direction, acting, costume, hair and makeup. What's inside the frame?)
 In the Mood for Love, Wong Kar Wai, 2000, 98 min.
 Darjeeling Limited, Wes Anderson, 2007, 91 min. (students must watch this before class)

Lecturer Clicks To Polls Option

Page 1 ○○○

https://www.2022group3.io

 ... User icon

Search 🔍

My Courses

- > FA101
 - > Week 1
 - > Week 2
 - > Week 3
- Notes
- Discussion Forums
- Student Grades
- Course Info
- Events
- Polls

> FA102

INTRODUCTION TO FILM ANALYSIS

from Yone Tmen

4.7 ★★★★★ (81 Votes)

Polls

- Open Polls

There are no open polls now!

- Closed Polls

Poll #1: Your Favorite Types Of Movies
 Created 13 days ago.

Poll #2: About The Format Of The Lessons
 Created 10 days ago.

Poll #3: Project 1 Release Date
 Created 2 days ago.

+ Create New Poll

Lecturer Clicks To Create New Poll Button

Page 1 ○○○

https://www.2022group3.io

 ... User icon

Search 🔍

My Courses

- > FA101
 - > Week 1
 - > Week 2
 - > Week 3
- Notes
- Discussion Forums
- Student Grades
- Course Info
- Events
- Polls

> FA102

INTRODUCTION TO FILM ANALYSIS

from Yone Tmen

4.7 ★★★★★ (81 Votes)

Polls

- Open Polls

No open poll found.

Enter Poll Name Here

Poll Question:

Answers

-

- Closed Polls

Poll #1: Your Favorite Types Of Movies
 Poll #2: About The Format Of The Lessons
 Poll #3: Project 1 Release Date

+ Add another option

Save Post
 Discard

Lecturer Writes Poll Question And Choices.
 He needs 5 options so clicks "Add another option" button 2 times.
 Then posts the poll using "Post" button.

Page 1

https://www.2022group3.io

LOGO

Search

My Courses

v FA101
 > Week 1
 > Week 2
 > Week 3

Notes
 Discussion Forums
 Student Grades
 Course Info
 Events
 Polls

> FA102

INTRODUCTION TO FILM ANALYSIS

from Yone Tmen
 4,7 ★★★★★ (81 Votes)

Polls

- Open Polls

Poll #4: Time For Our First Meet-up
 Created: 1 min ago. Remaining Time: 23h 59m
 Please select the day and time that you prefer for our first face-to-face meet-up. Attendance is not mandatory but recommended since it will be so much fun :)
 * Tuesday 15.00
 * Tuesday 20.00
 * Wednesday 20.00
 * Thursday 16.00
 * Thursday 20.00

- Closed Polls

Poll #1: Your Favorite Types Of Movies
 Created 13 days ago.

Poll #2: About The Format Of The Lessons
 Created 10 days ago.

Poll #3: Project 1 Release Date
 Created 2 days ago.

Lecturer can see the results as percentages as the students answer.

Page 1

https://www.2022group3.io

LOGO

Search

My Courses

v FA101
 > Week 1
 > Week 2
 > Week 3

Notes
 Discussion Forums
 Student Grades
 Course Info
 Events
 Polls

> FA102

INTRODUCTION TO FILM ANALYSIS

from Yone Tmen
 4,7 ★★★★★ (81 Votes)

Polls

- Open Polls

Poll #4: Time For Our First Meet-up
 Created: 23 hours 58 mins ago. Remaining Time: 2 mins
 Please select the day and time that you prefer for our first face-to-face meet-up. Attendance is not mandatory but recommended since it will be so much fun :)
 * Tuesday 15.00 %15
 * Tuesday 20.00 %13
 * Wednesday 20.00 %4
 * Thursday 16.00 %8
 * Thursday 20.00 %60

- Closed Polls

- Poll #1: Your Favorite Types Of Movies
Created 13 days ago.
- Poll #2: About The Format Of The Lessons
Created 10 days ago.
- Poll #3: Project 1 Release Date
Created 2 days ago.

Lecturer Clicks To Events Option

The screenshot shows a web browser interface with a purple header bar. Below it is a navigation bar with icons for back, forward, search, and user profile. The main content area has a white background. On the left, there's a sidebar with a 'LOGO' icon, a search bar, and a user menu. The main content area displays course information for 'INTRODUCTION TO FILM ANALYSIS' by Yone Tmen, showing a rating of 4.7 stars from 81 votes. The 'Events' section is visible, featuring a 'Create New Event' button. A red arrow points from the text 'Lecturer Clicks To Events Option' to the 'Events' heading.

Lecturer Clicks To "Create New Event" Button

The screenshot shows the same web browser interface as the previous one, but with a large modal window overlaid on the right side. The modal is titled 'Enter Event Name Here' and contains fields for 'Event Description', 'Date And Time', 'Location' (set to 'Small Cinema'), and 'Type Of Event' (with 'In-Person' checked). It also includes buttons for 'Public' and 'Private'. A red arrow points from the text 'Lecturer Clicks To "Create New Event" Button' to the 'Create New Event' button in the modal. The rest of the page content is visible behind the modal.



Lecturer writes event description and adds necessary properties.
He chooses private so this event will be visible only to enrolled students.
Then he posts the event using "Post" button.

Page 1

<https://www.2022group3.io>

LOGO

Search

My Courses

v FA101
 > Week 1
 > Week 2
 > Week 3

Notes

Discussion Forums

Student Grades

Course Info

Events

Polls

> FA102

INTRODUCTION TO FILM ANALYSIS

from Yone Tmen

4,7 ★★★★★ (81 Votes)

Events

+ Create New Event

- Upcoming Events

First Meet-Up

Time: Thursday 20.00 Location: Small Cinema Capacity: Everyone
Type: In-person Private Event

Event Description: This is a face-to-face event. I have reserved one theater for us. Entries require registration. There will be a small entrance fee. After watching the movie we are going to do a critique session about it. This is also a chance to get to know each other. We will meet there at the chosen time.

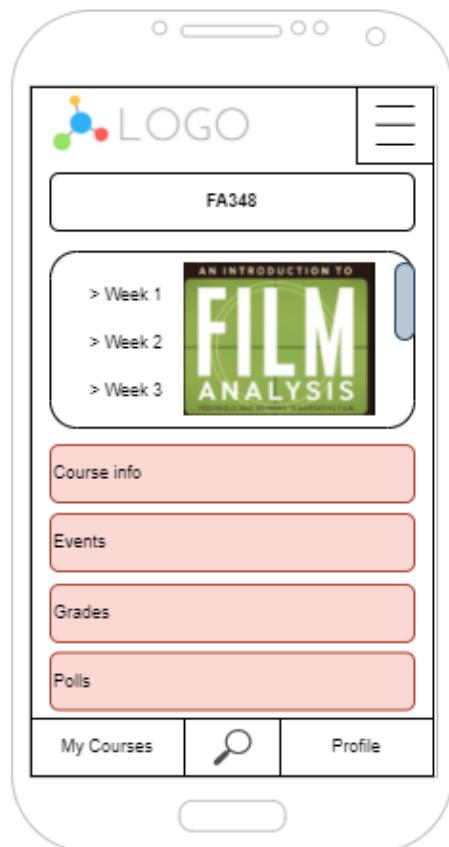
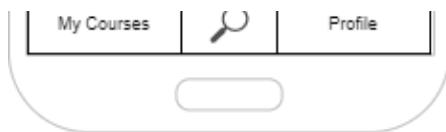
- Previous Events

No previous events found.

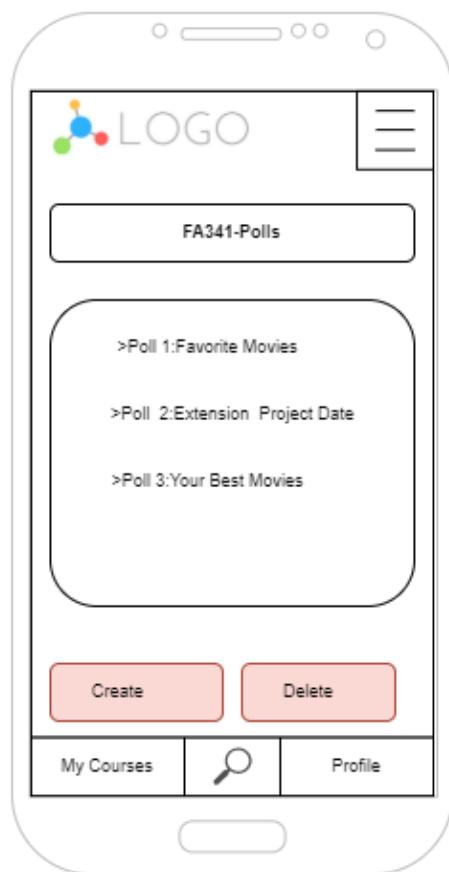
Mobile Mockup



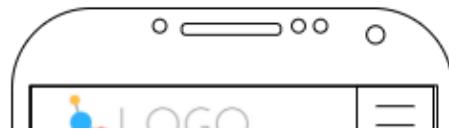
Lecturer select related course
(FA341)

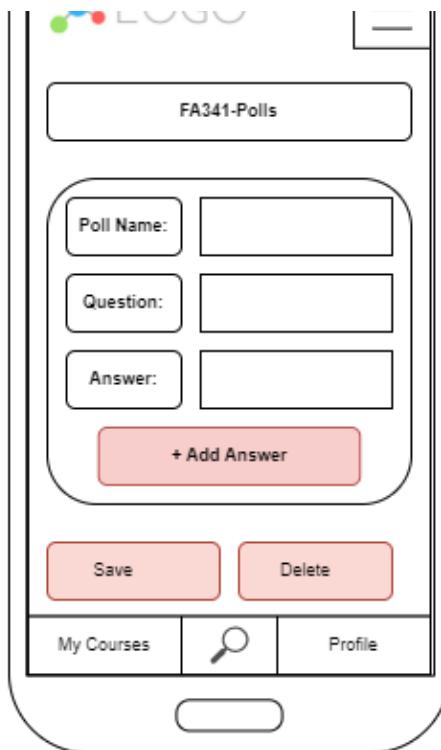


Lecturer clicks to polls option



Lecturer clicks create button to create poll.

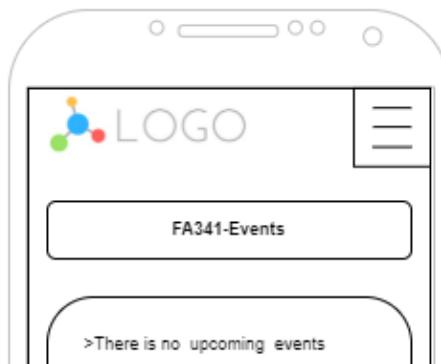


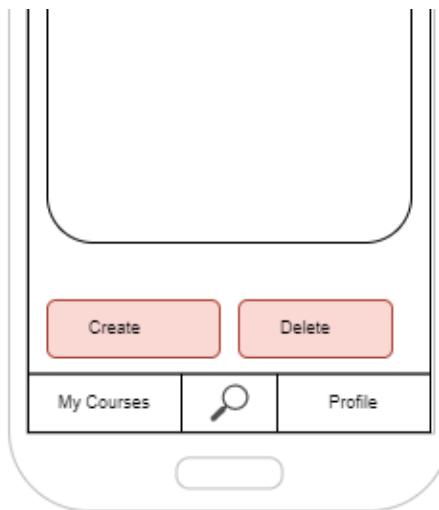


Lecturer writes poll question and answers and click save button.

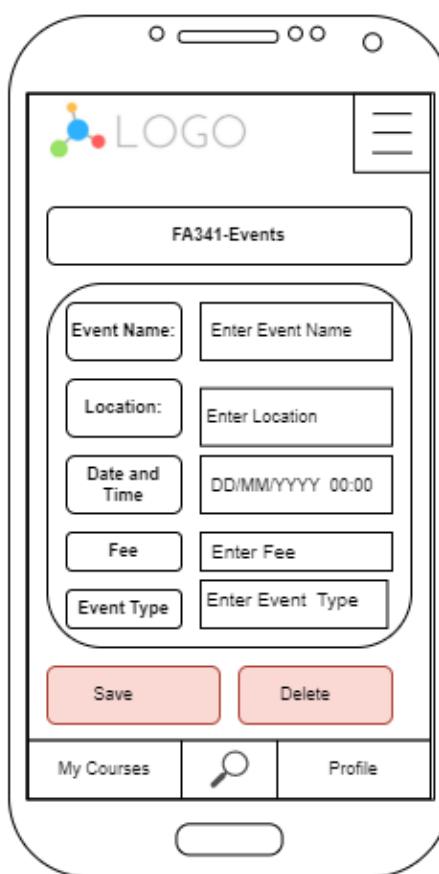


Lecturer can see the results as percentages as the student answer.

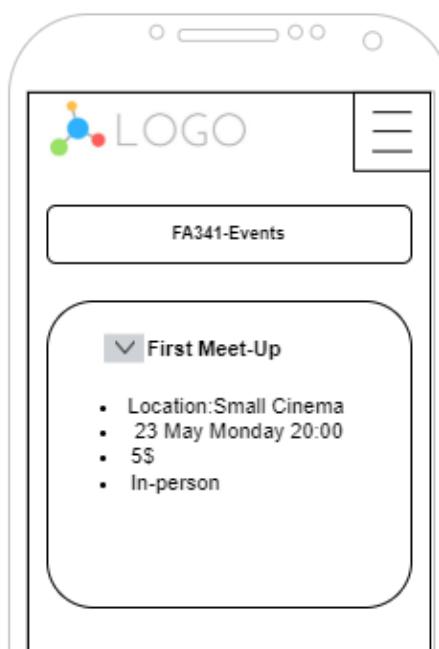




Lecturer can see all events in event page.



Lecturer writes event description, event name, location, date and time. Then, clicks save button.



Lecturer can see events detail by click on event name.



Lecturer can see all events in events page

Scenario 2: Creating Discussion

The User - Persona

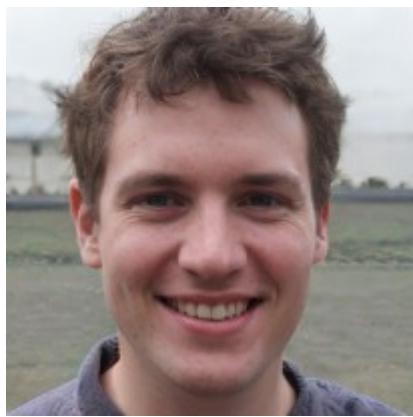


Image is taken from [This Person Does Not Exist](#)

Jack is an electrical engineering student in University of Michigan. He is interested in web development and wants to get a job as a developer. He could not enroll to the courses in his own university so he decided to use an online learning program.

User Goals

- Aims to ask a question in the discussion form
- Wants to share the specific error he got by providing a screenshot

Preconditions

- Jack has an account on the platform and already logged in.
- He enrolled to CS104, introduction to web development course, one week ago.

Scenario Actions

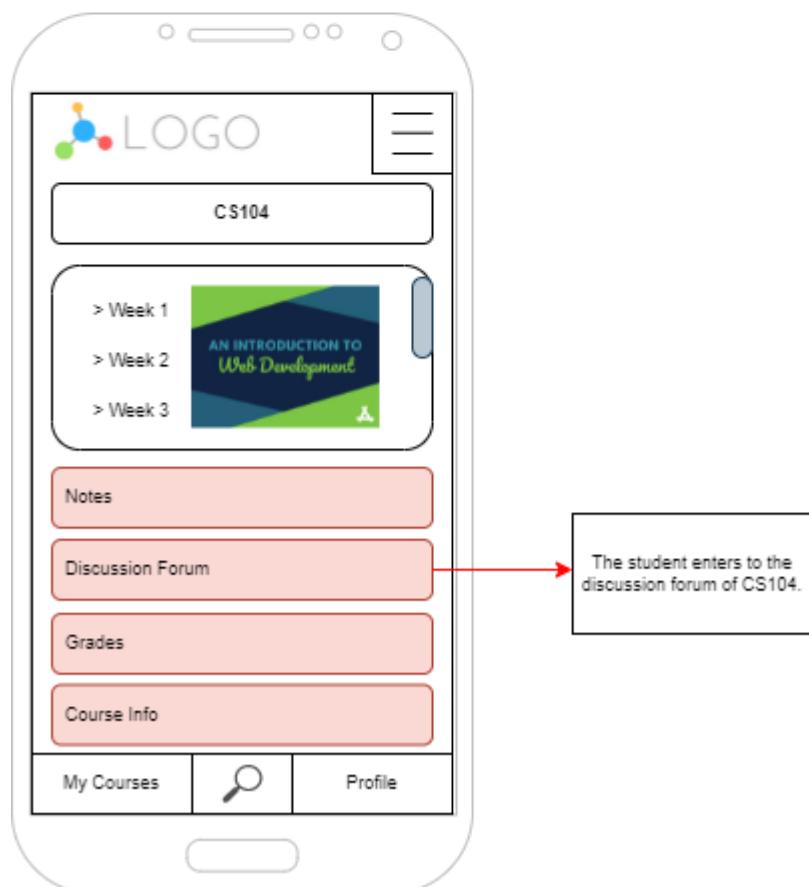
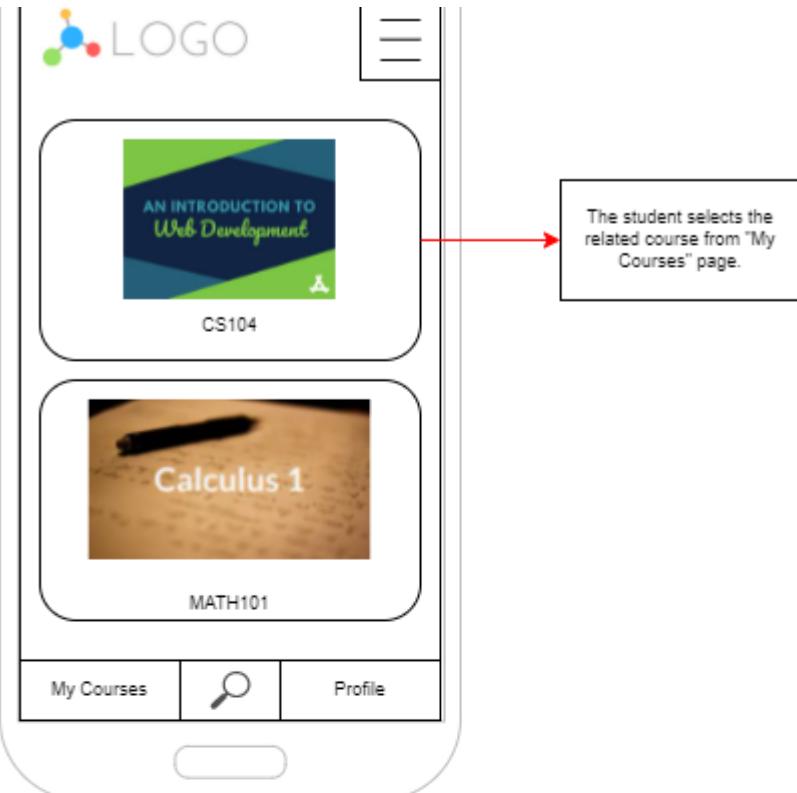
- After watching the first week's content, Jack tries to set up his own computer for web development. He downloaded the IDE specified in the lecture; however, he chose x64 instead of x86 architecture. IDE seems to be installed but Jack sees that it is not working as expected. He decides to ask this to lecturer and his classmates.
- He visits the discussions page of CS104. He looks through other questions before creating a duplicate question however there are no similar questions to trouble he is experiencing.
- He creates a new question by describing the status and adding a few screenshots.
- After some time, a classmate responds by asking questions about his computer and operating system. After some back and forth, classmate provides a link for Jack and wants him to download the installer he provided.
- Jack goes to the URL, downloads and installs the correct version of the IDE.
- After testing for a minute, he thanks to classmate and closes the discussion.

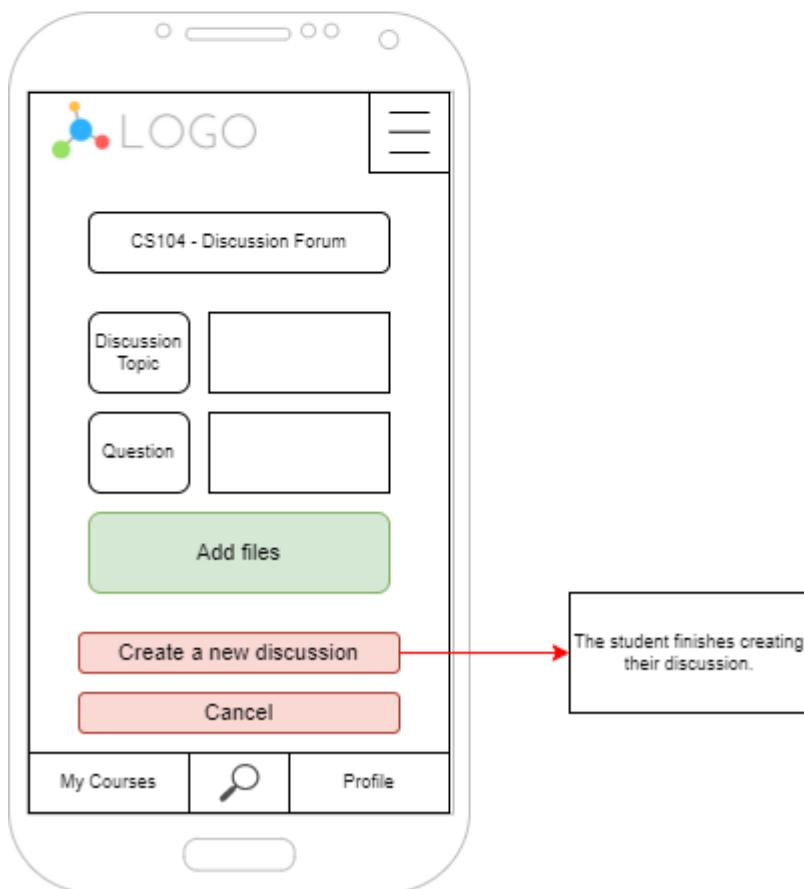
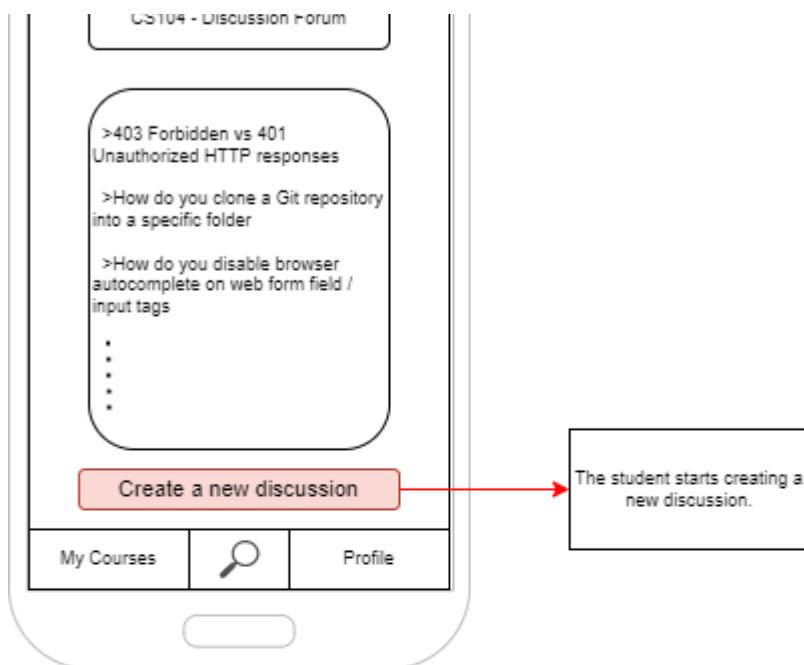
Acceptance Criteria

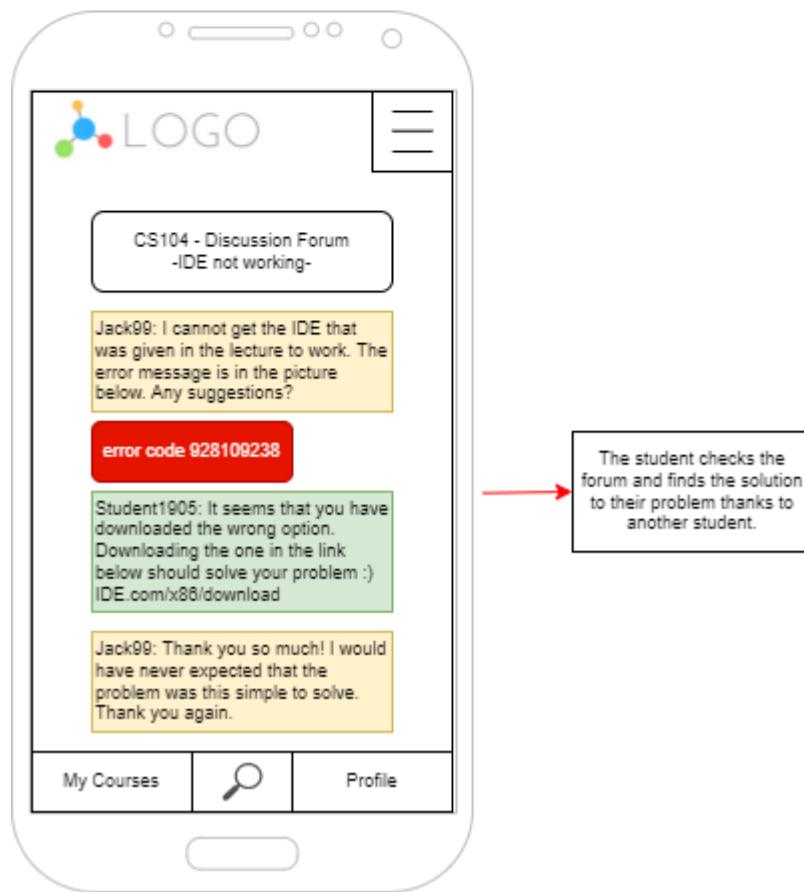
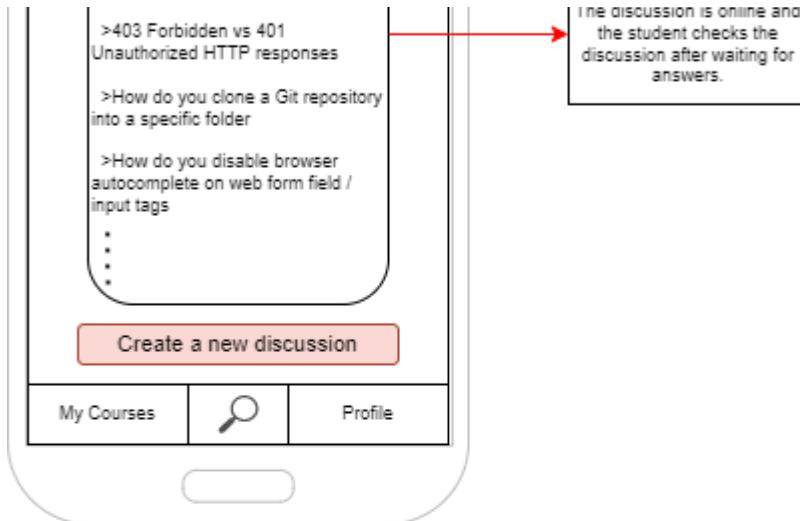
- 1.3.3. Users shall be able to use the communication channel (described in 2.2.)
 - 1.3.3.1. Users shall be able to open a discussion post to ask questions.
 - 1.3.3.2. Users shall be able to make a comment to an existing question.
- 1.3.6. Users shall be able to use the annotation features (described in 2.6.)
- 2.2.1. System shall provide an interface such that users can ask and answer questions.
- 2.2.2. System shall provide a discussion section for any type of user inside a course.
 - 2.2.2.1. System should support replying, mentioning and threaded messages to create a comment.
- 2.2.3. System should support sharing resources and files.
- 2.6.1. System shall support annotating with text, images and URI.
 - 2.6.1.1. System shall support external links in the case that users provide URI.
- 2.6.2. System shall support links that relate to semantic resources about the resource.
- 2.6.3 System shall provide a mechanism such that annotation can be applied to any context.

Mobile Mockup





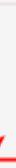
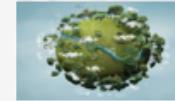




Web Mockup

The web browser interface shows a header with "Page 1" and a URL bar with "https://www.2022group3.io". The main content area includes a logo, a search bar, and user profile icons. On the left, a sidebar shows "My Courses" with "CS104" selected. In the center, there are course cards for "AN INTRODUCTION TO Web Development", "Calculus 1", and a video thumbnail. On the right, a sidebar shows "Categories" with links to "Programming", "Science", "Art", and "Mathematic". A red box highlights the "CS104" link in the sidebar.

The student selects the related course

 <div style="border: 1px solid red; padding: 5px; margin-bottom: 10px;">The student selects the related course</div>	CS104 MATH101 BIO121 CMPE352 Course Recommendations  EE362  MATH102  EE201  ESC305	Physics History Philosophy
---	--	----------------------------------

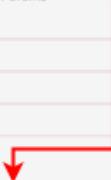
Page 1 

 https://www.2022group3.io

 **LOGO** Search 



My Courses

- v **CS104**
 - > Week1
 - > Week2
 - > Week3
 - > Week4
 - > Week5
 - > Week6
 - > Week7
 - > Week8
 - > Week9
 - Notes
 - Discussion Forums 
 - Course Info
- > MATH101
- > BIO121
- > CMPE352

INTRODUCTION TO WEB DEVELOPMENT
from Breana Washington
4.8 ★★★★★ (127 Votes)

Recurrences
► 1h 11m of videos left ► 10min of readings left ► 1 graded assignment left

This course is designed to start you on a path toward future studies in web development and design, no matter how little experience or technical knowledge you currently have. The web is a very big place, and if you are the typical internet user, you probably visit several websites every day, whether for business, entertainment or education. But have you ever wondered how these websites actually work? How are they built? How do browsers, computers, and mobile devices interact with the web? What skills are necessary to build a website? With almost 1 billion websites now on the internet, the answers to these questions could be your first step toward a better understanding of the internet and developing a new set of internet skills.

The student enters the discussion forums of CS104

Page 1 

 https://www.2022group3.io

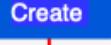
 **LOGO** Search 



My Courses

- v **CS104**
 - > Week1
 - > Week2
 - > Week3
 - > Week4
 - > Week5
 - > Week6

INTRODUCTION TO WEB DEVELOPMENT
from Breana Washington
4.8 ★★★★★ (127 Votes)

Discussion Forums 

> 403 Forbidden vs 401 Unauthorized HTTP responses

> Week7
 > Week8
 > Week9
 Notes
 Discussion Forums
 Course Info
 > MATH101
 > BIO121
 > CMPE352

> How do you clone a Git repository into a specific folder?
 > How do you disable browser autocomplete on web form field / input tags?

The student starts creating a new discussion

Page 1 https://www.2022group3.io

LOGO Search

My Courses CS104

Week1 Week2 Week3 Week4 Week5 Week6 Week7 Week8 Week9 Notes Discussion Forums Course Info MATH101 BIO121 CMPE352

INTRODUCTION TO WEB DEVELOPMENT

from Breana Washington 4,8 ★★★★☆ (127 Votes)

Discussion Forums

Discussion topic: Ide is not working.

Question: I cannot get the IDE that was given in the lecture to work. The error message is in the below. Any suggestions?

Upload an image: error.jpeg ✓ upload more

The student finishes creating the discussion

Page 1 https://www.2022group3.io

LOGO Search

My Courses CS104

Week1 Week2 Week3 Week4 Week5 Week6 Week7 Week8 Week9 Notes Discussion Forums Course Info MATH101 BIO121 CMPE352

INTRODUCTION TO WEB DEVELOPMENT

from Breana Washington 4,8 ★★★★☆ (127 Votes)

Discussion Forums

> Ide is not working.
 > 403 Forbidden vs 401 Unauthorized HTTP responses
 > How do you clone a Git repository into a specific folder?

Create

Notes
Discussion Forums
Course Info
> MATH101
> BIO121
> CMPE352

> How do you disable browser autocomplete on web form field / input tags?

The discussion is online and the student checks the discussions after waiting for answers.

Page 1

https://www.2022group3.io

 LOGO

Search

My Courses

v CS104
> Week1
> Week2
> Week3
> Week4
> Week5
> Week6
> Week7
> Week8
> Week9
Notes
Discussion Forums
Course Info
> MATH101
> BIO121
> CMPE352

INTRODUCTION TO WEB DEVELOPMENT

from Breana Washington
4.8 ★★★★☆ (127 Votes)

Discussion Forums

v Ide is not working.

Create

Jack99: I cannot get the IDE that was given in the lecture to work. The error message is in the picture below.
Any suggestion?


Student1905: It seems that you have download the wrong option. Downloading the one in the link below should solve your problem :)
IDE.com/x86/download

> 403 Forbidden vs 401 Unauthorized HTTP responses
> How do you clone a Git repository into a specific folder?
> How do you disable browser autocomplete on web form field / input tags?

The student checks the forum and finds the solution to their problem thanks to another student.

Scenario 3: Note Taking



The User Persona

- Kaneki Ken is a 19 years old student at Kamii University. He is a self-learner and likes to improve himself in different aspects. He found this platform and started to use it. So far, he's been a person who neatly takes notes to papers during his studies however it is hard for him to keep track of all of them. So he decided to also use this platform's note taking features.

User Goals

- Aims to create and save notes under subtopics of the chosen lecture.
- Aims to edit saved notes if the need occurs.
- Aims to delete saved notes if the notes are no longer needed/becomes irrelevant.

Preconditions

- Kaneki Ken is already a learner in the platform, already logged in.
- Kaneki Ken has access to the course content that they want to take notes of.

Scenario Actions

During the lectures, Kaneki Ken feels the need to take notes to summarize that particular section so that they wouldn't have to repeat the lecture all over again:

- Goes to the relevant course page from their courses page
- Chooses the topic that they want to add notes to.
- Click **Create Notes**
- Add relevant notes to that body.
- Click **Save**.

Then, if they want to see their notes about that course:

- Goes to the relevant course page from their courses page.
- Click **Notes** on the sidebar.
- Filter the notes depending on the need.

Then, edit or delete those notes by respectively clicking:

- Edit: Click **Edit** --> Edit note body --> Click **Save**
- Delete: Click **Delete**

Acceptance Criteria

- 1.3.4. Users shall be able to use the note taking features (described in 2.3.)
- 2.3.1. The system shall provide learners the ability to create a note taking page.
- 2.3.2. The system shall provide learners the ability to save notes in their profile page.
- 2.3.3. The system shall show the saved notes of the learner in their profile page.
- 2.3.3.1. The system should provide learners the option to sort notes according to date or popularity.
- 2.3.3.2. The system should provide learners the option to show previous notes according to filtered systems.
- 2.3.3.2.1. The note filtered system should enable learners to filter course name or lecturer.
- 2.3.4. The system shall provide learners the ability delete or rearrange note taking page.

- 2.3.5. The system shall provide registered learners the ability to connect notes, annotate and tag them.
- 2.3.6. The system shall provide learners the ability to share their notes with others.

Web Mockup

The image consists of two vertically stacked screenshots of a web-based learning management system. Both screenshots have a header bar with a logo, search bar, and user profile icons. The top header also includes navigation buttons and a URL bar.

Top Screenshot (Course Selection):

- Left Sidebar:** "My Courses" list including: > CMPE321, > CMPE350, > CMPE352, > CMPE361, > JP202, > HTR312, > PA326.
- Main Content Area:** A grid titled "My Courses" showing course thumbnails and names. The grid contains 8 items arranged in 2 rows of 4:
 - Row 1: CMPE321, CMPE350, CMPE362, CMPE352
 - Row 2: JP202, HTR312, PA326
- Right Sidebar:** "Categories" list including: Programming, Science, Art, Mathematic, Physics, History, Philosophy.
- Bottom Section:** "Course Recommendations" grid showing four more courses: PE108, CMPE485, CMPE476, ESC305. A callout box points from the "CMPE321" label in the sidebar to the first recommendation.

Bottom Screenshot (Course Details):

- Left Sidebar:** "My Courses" list including: v CMPE321 (selected), > Week 1, > Week 2, > Week 3, Notes, Discussion Forums, Grades, Course Info.
- Main Content Area:**
 - Title:** INTRODUCTION TO DATABASE SYSTEMS
 - Author:** from Breana Washington
 - Rating:** 4.8 ★★★★☆ (127 Votes)
 - Relational Model:** 1h 11m of videos left, 10min of readings left, 1 graded assignment left.
 - Description:** Logical organization of data: Entity-relationship modeling of data. Hierarchical, network and relational models. Data description and query languages. Normal forms and database design. Physical design and access strategies. Security, integrity and reliability. Design and implementation of a simple database management system that includes file security and a simple query language.
 - Basics of SQL:** > ER Model

Student selects a subtopic

The screenshot shows a web-based course interface. At the top, there is a header with a logo, a search bar, and user profile icons. Below the header, a sidebar on the left lists 'My Courses' with sections for CMPE321 (Week 1, Week 2, Week 3), Notes, Discussion Forums, Grades, and Course Info. Other courses listed include CMPE350, CMPE352, CMPE361, JP202, HTR312, and PA326. The main content area is divided into two columns. The left column is titled 'Week 1' and contains links to 'Basics of SQL' and 'ER Model'. The right column is titled 'ER Model' and contains a large empty rectangular box, a play button, a timestamp '0:00/3:53', and two blue buttons labeled 'Create Note' and 'Discuss'.

Student creates a note

This screenshot is identical to the one above, showing the same course interface. The main difference is in the right-hand column under 'ER Model'. Instead of an empty box, it now contains a detailed text box describing the Entity-Relationship (ER) model. At the bottom of this text box are three blue buttons: 'Save', 'Delete', and 'Discuss'.

An entity–relationship model (or ER model) describes interrelated things of interest in a specific domain of knowledge. A basic ER model is composed of entity types (which classify the things of interest) and specifies relationships that can exist between entities (instances of those entity types).

Student save the note

Student clicks Notes button on the side bar.

Edit button clicked

↓

The screenshot shows a web interface for managing notes. On the left, a sidebar lists 'My Courses' with items like CMPE321, CMPE350, and CMPE352. A 'Notes' section is also present. The main area is titled 'Notes' and contains a note card for 'Basics of SQL'. The note content is: 'SQL commands are instructions. It is used to communicate with the database. It is also used to perform specific tasks, functions, and queries of data. SQL can perform various tasks like create a table, add data to tables, drop the table, modify the table.' Below the note are 'Save' and 'Delete' buttons. Another note card for 'ER Model' is partially visible below it, with its content: 'An entity–relationship model (or ER model) describes interrelated things of interest in a specific domain of knowledge. A basic ER model is composed of entity types (which classify the things of interest) and specifies relationships that can exist between entities (instances of those entity types.)' and 'Edit' and 'Delete' buttons.

User saved the note he/she was editing

↓

This screenshot is identical to the one above, showing the same note cards for 'Basics of SQL' and 'ER Model'. The only difference is that the 'Edit' button for the 'Basics of SQL' note is now highlighted in blue, indicating it has been recently modified or is currently being edited.

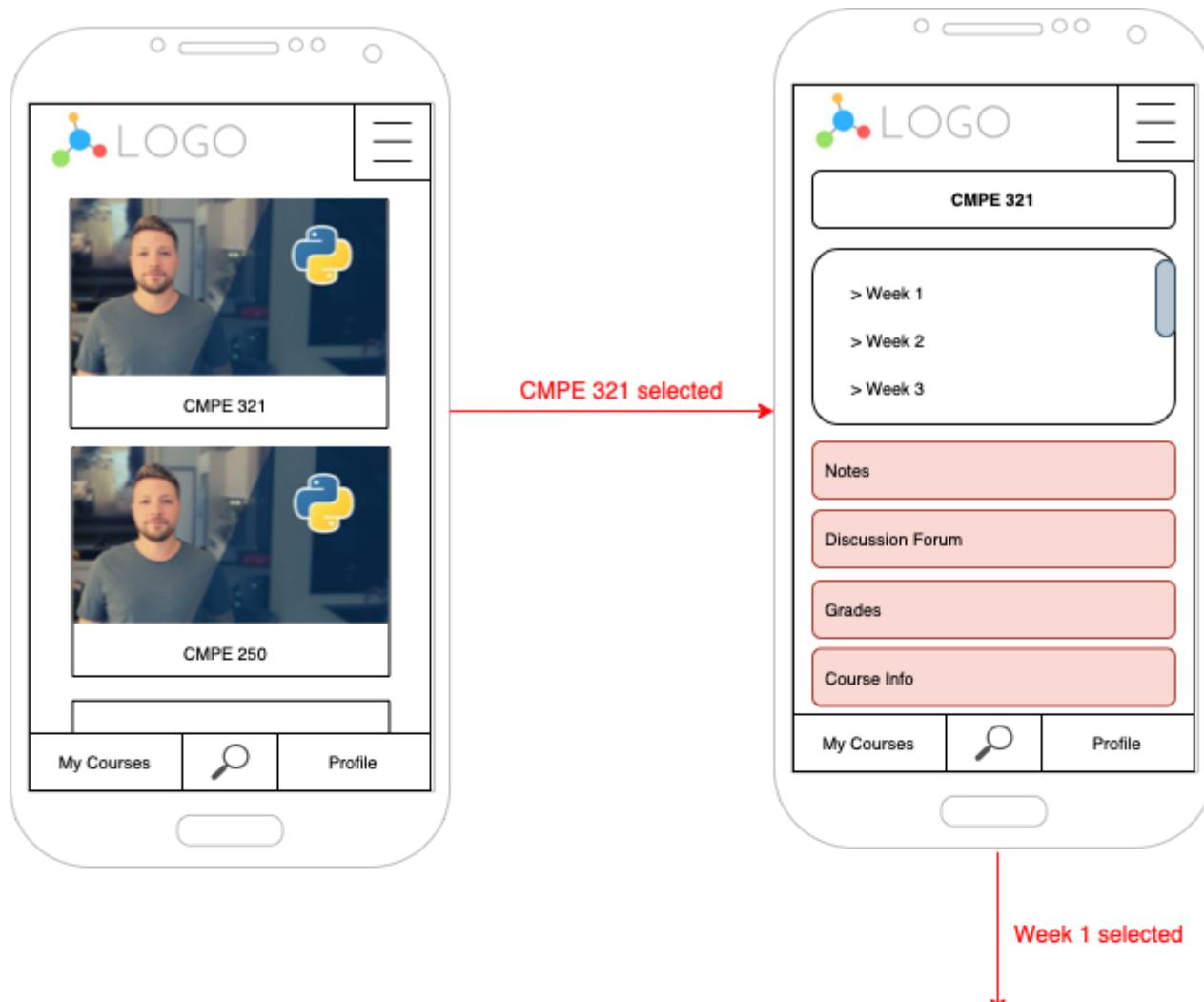
User deleted first note

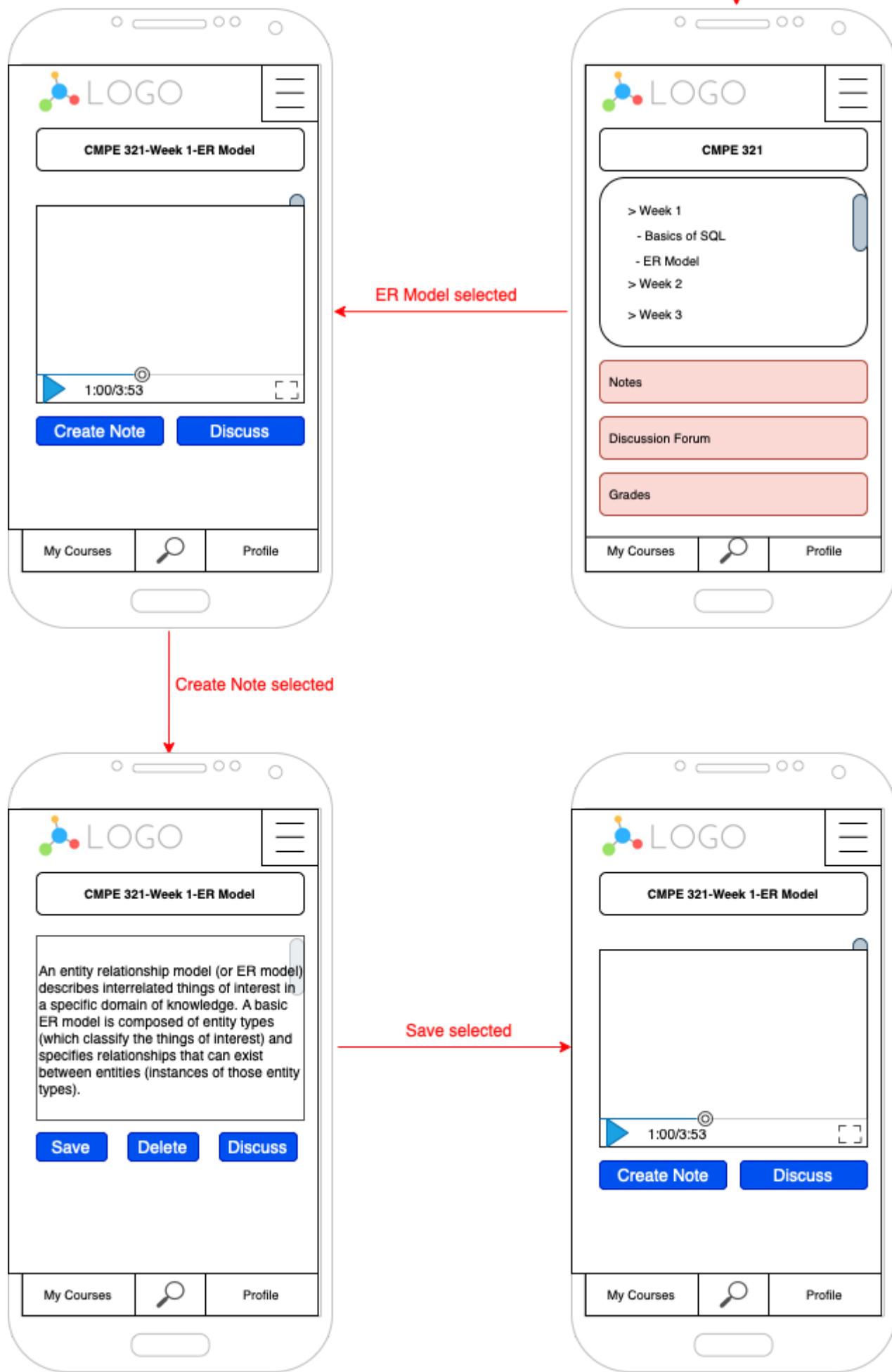
↓

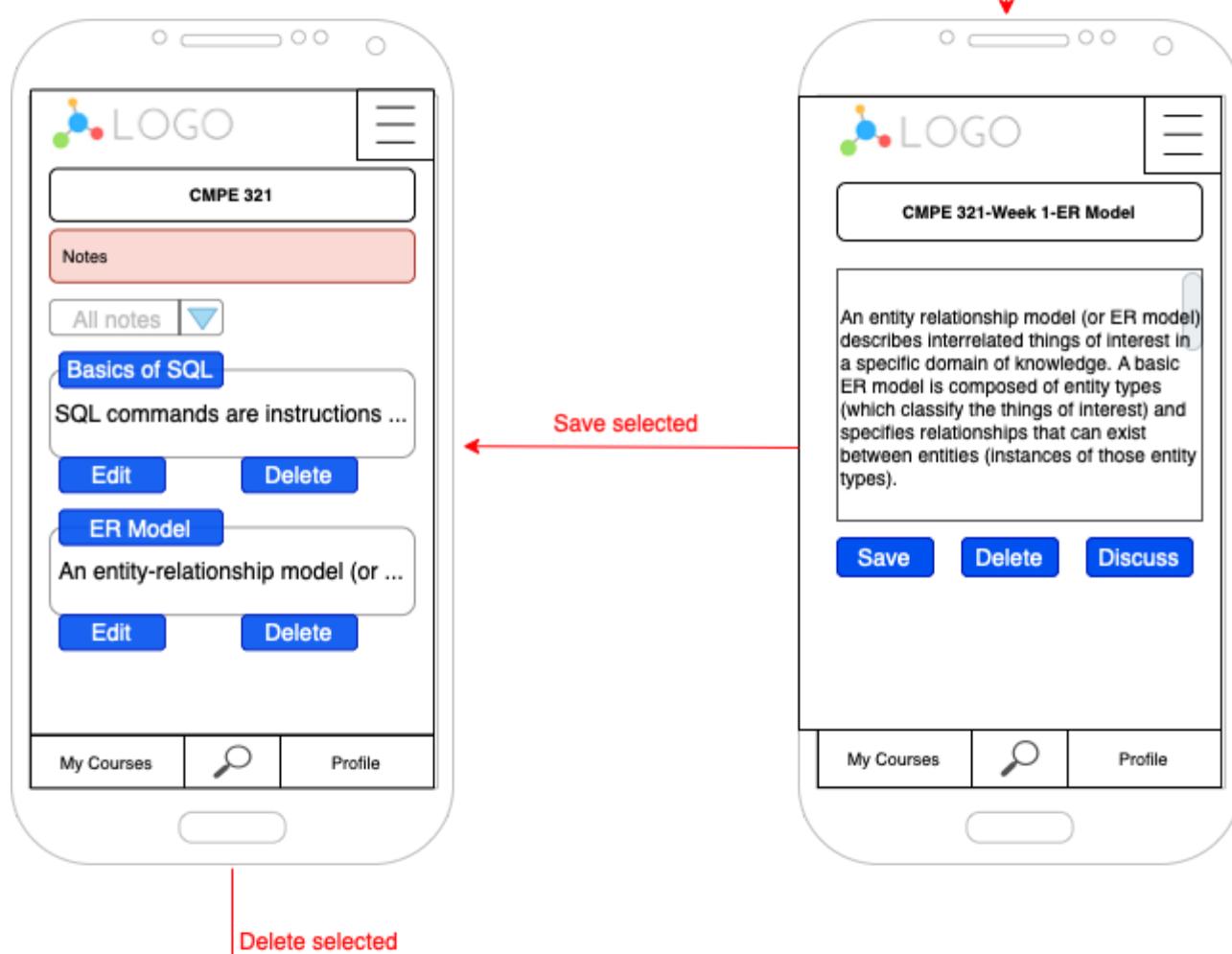
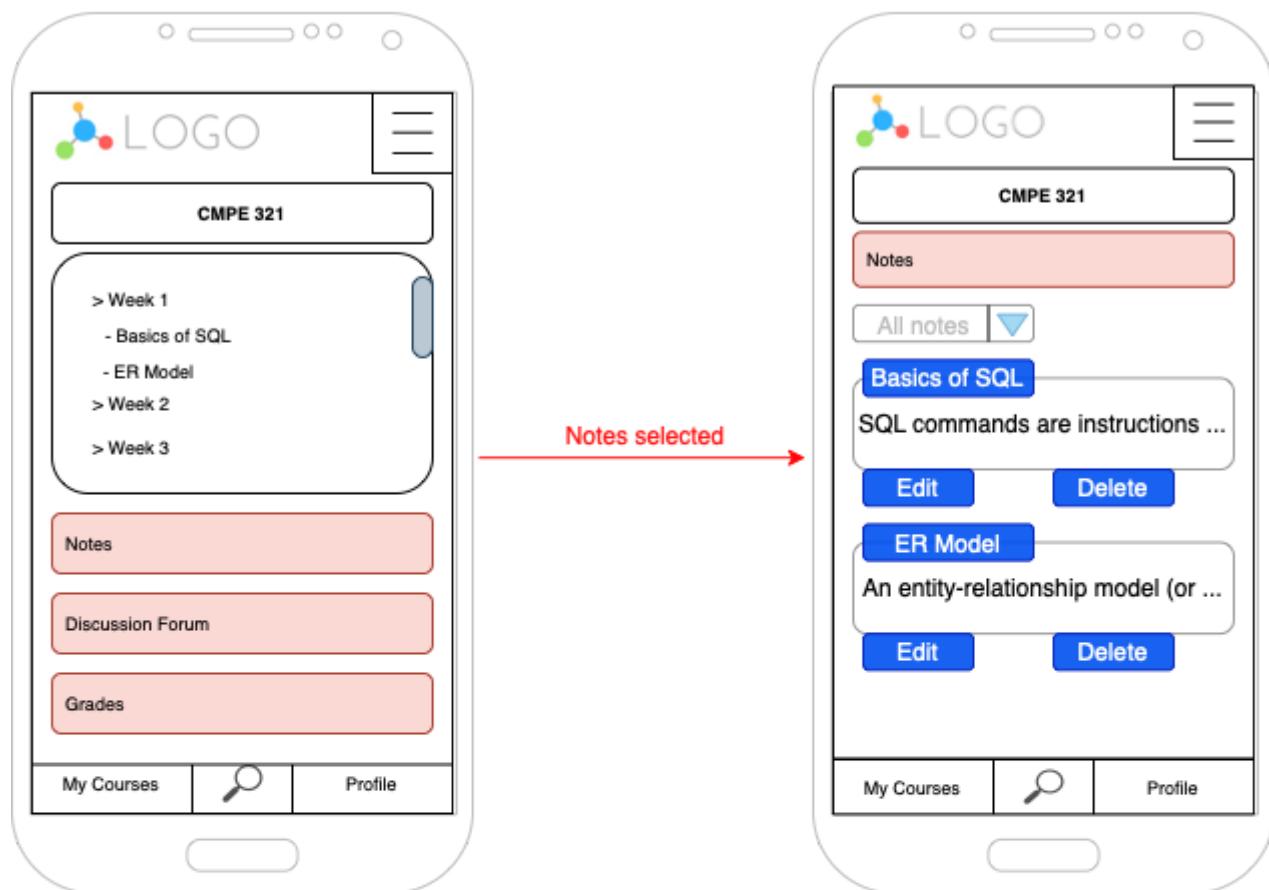
This screenshot shows the same interface after the user has deleted the first note. The 'Basics of SQL' note card is no longer present in the list. Only the 'ER Model' note card remains, with its original content and 'Edit' and 'Delete' buttons.

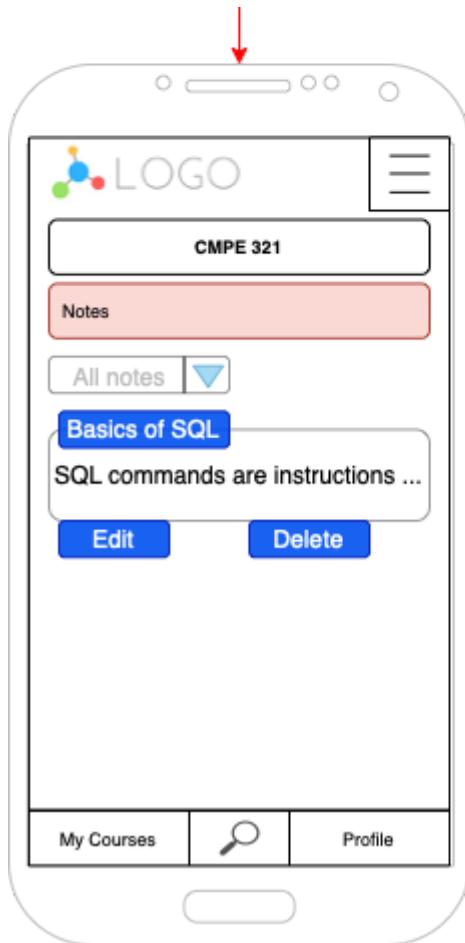
The screenshot shows a web-based course management system. At the top, there is a header with a logo, a search bar, and user profile icons. On the left, a sidebar titled "My Courses" lists several courses: CMPE321, CMPE350, CMPE352, CMPE361, JP202, HTR312, and PA326. The main content area is titled "Notes" and contains a section titled "ER Model" with a description and "Edit" and "Delete" buttons. Below this, there is a dropdown menu set to "All Notes".

Mobile Mockup





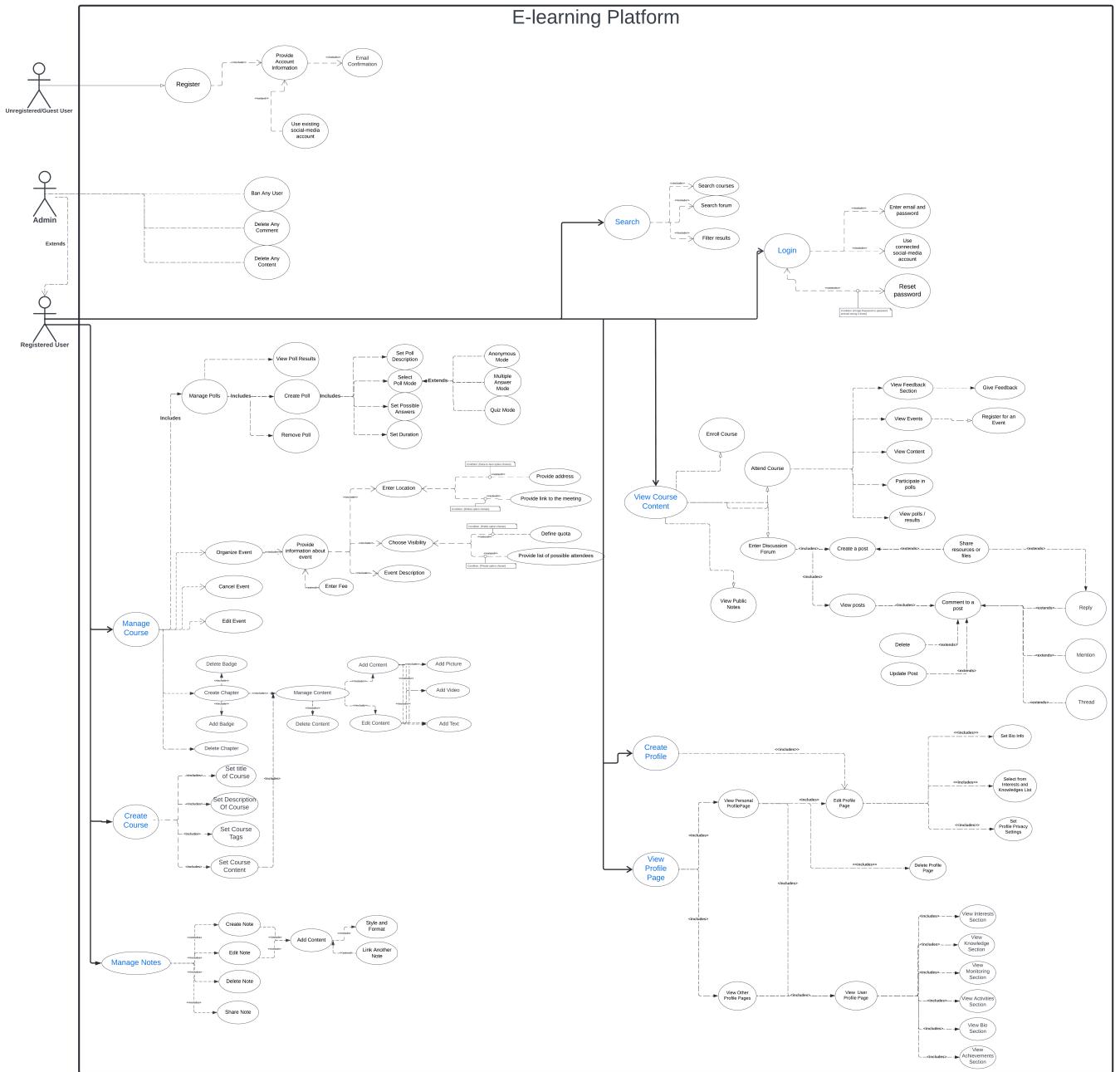




Software Design Documents

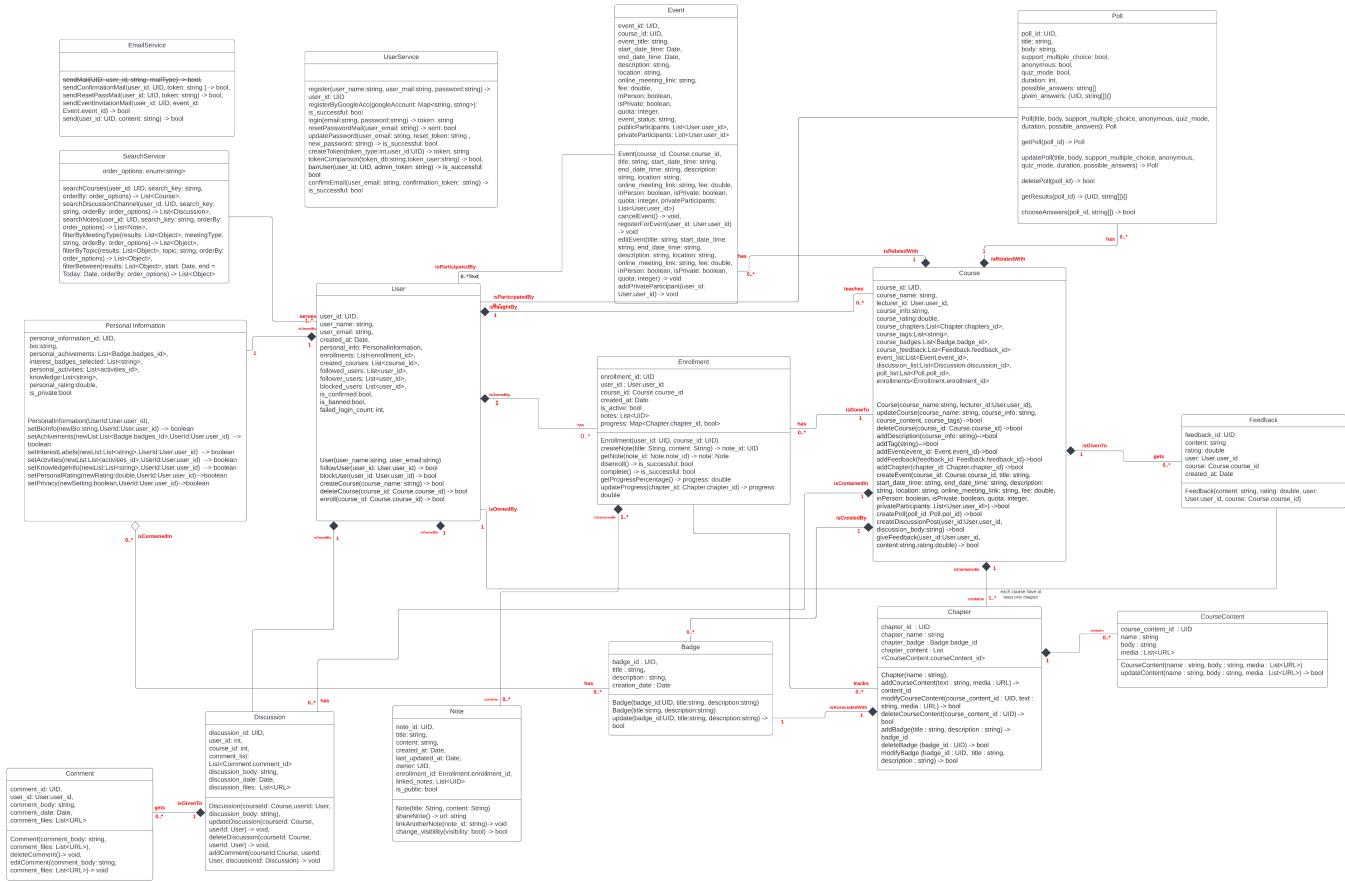
Use Case Diagrams

Can be viewed at [LucidChart](#)



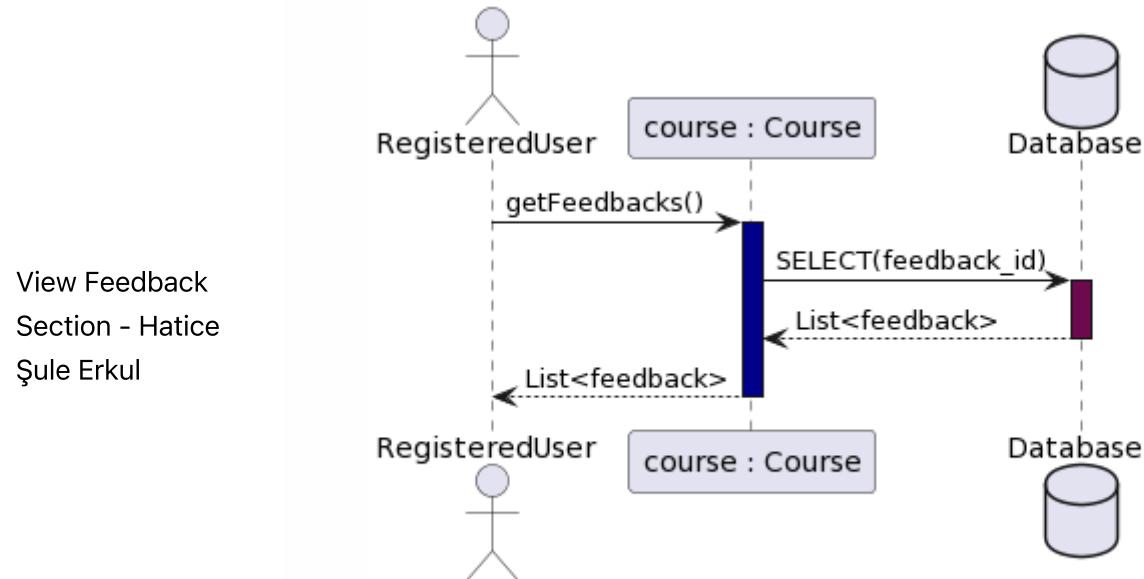
Class Diagrams

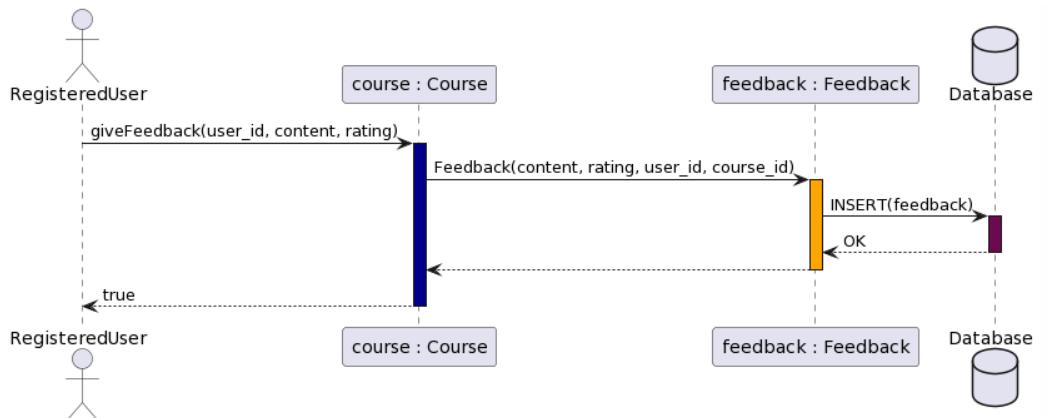
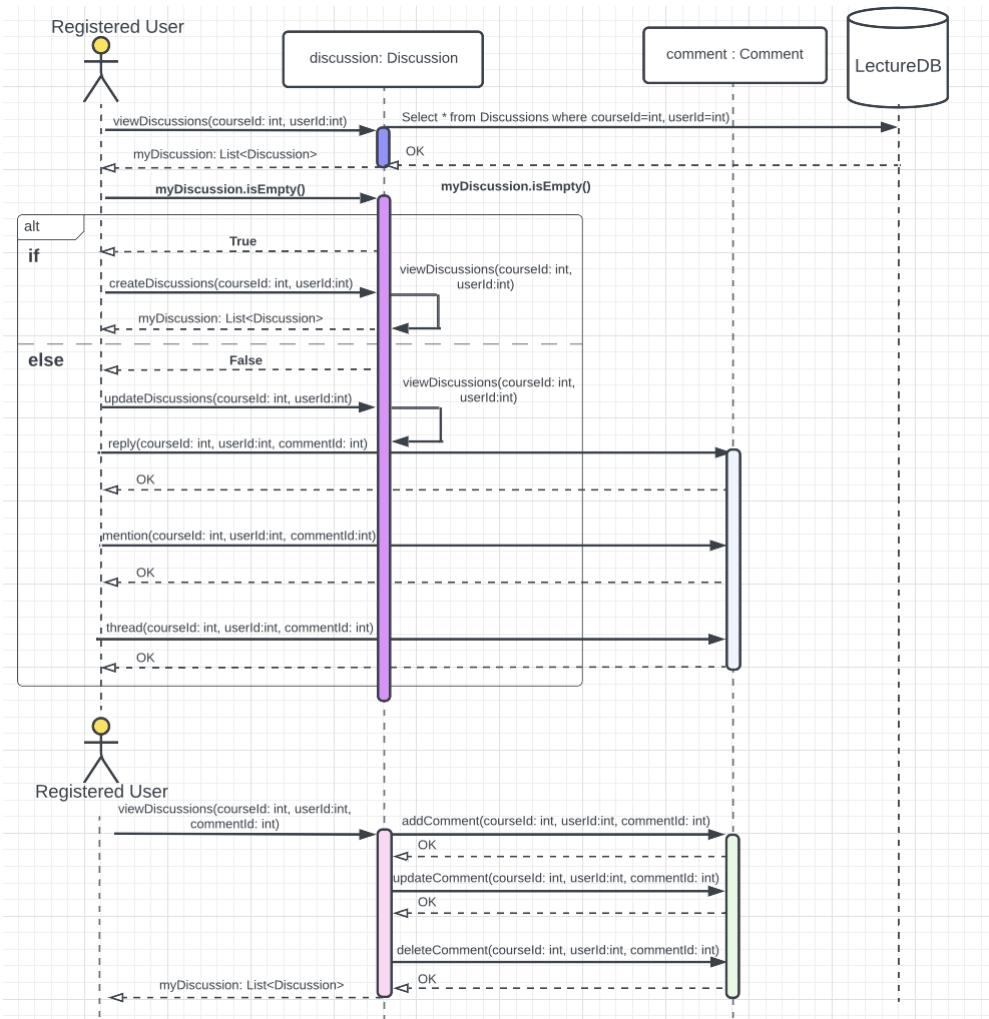
Can be viewed at [LucidChart](#)



Sequence Diagrams

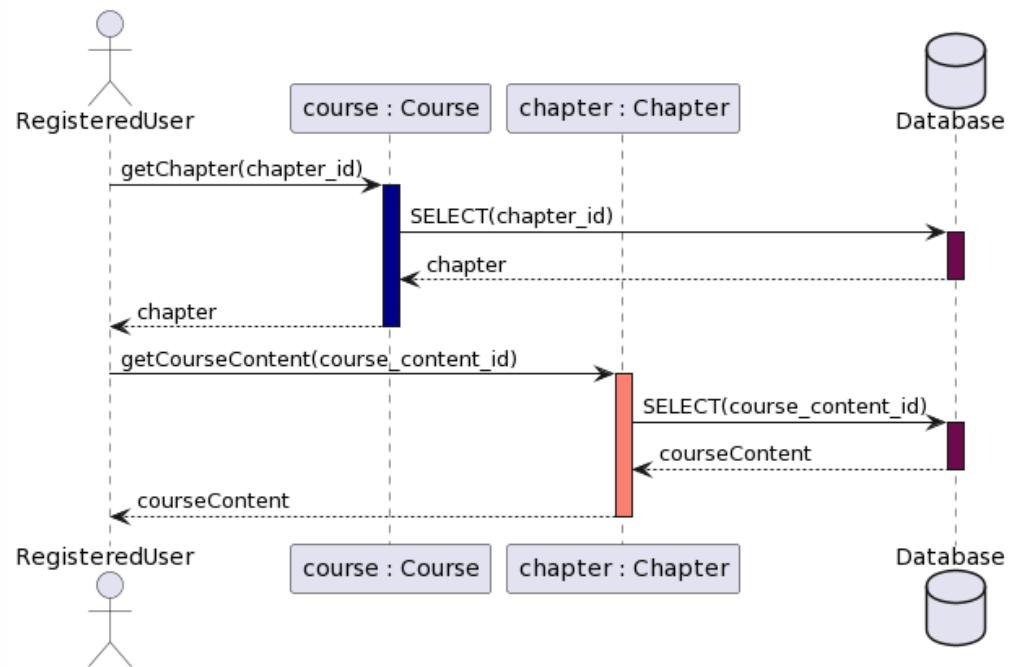
Topic Sequence Diagram



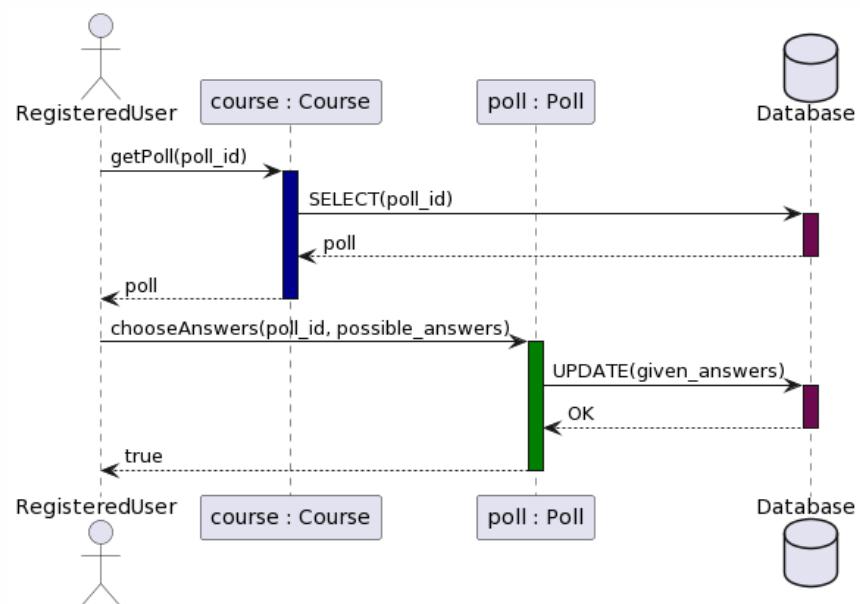
Topic**Sequence Diagram**

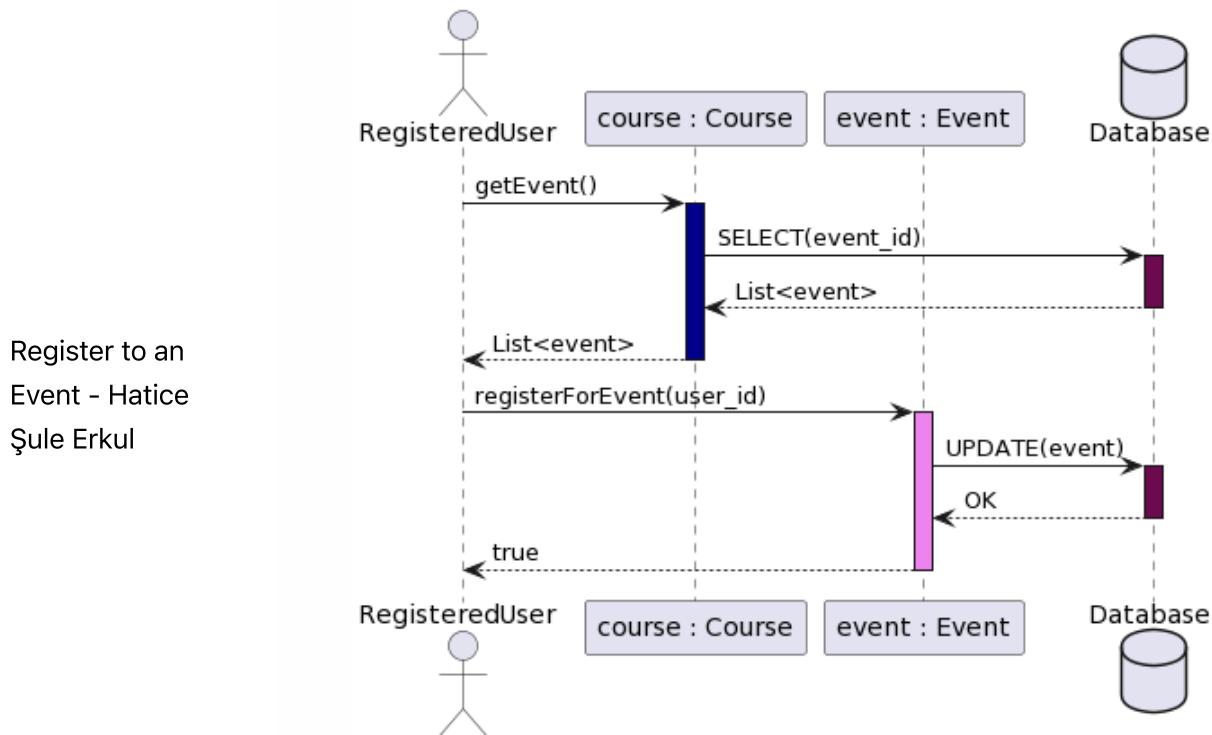
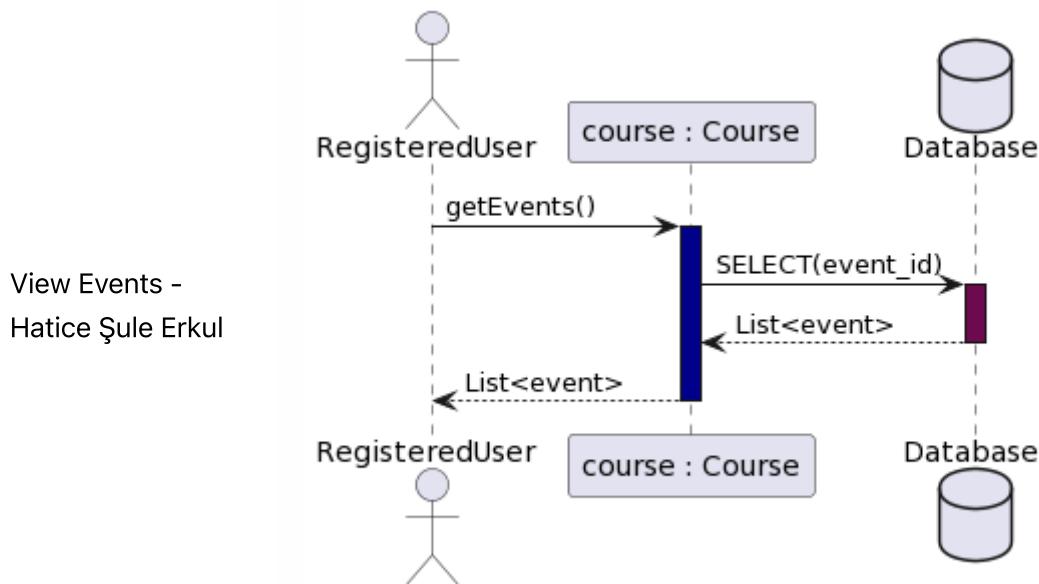
Topic**Sequence Diagram**

View Course
Content - Hatice
Şule Erkul



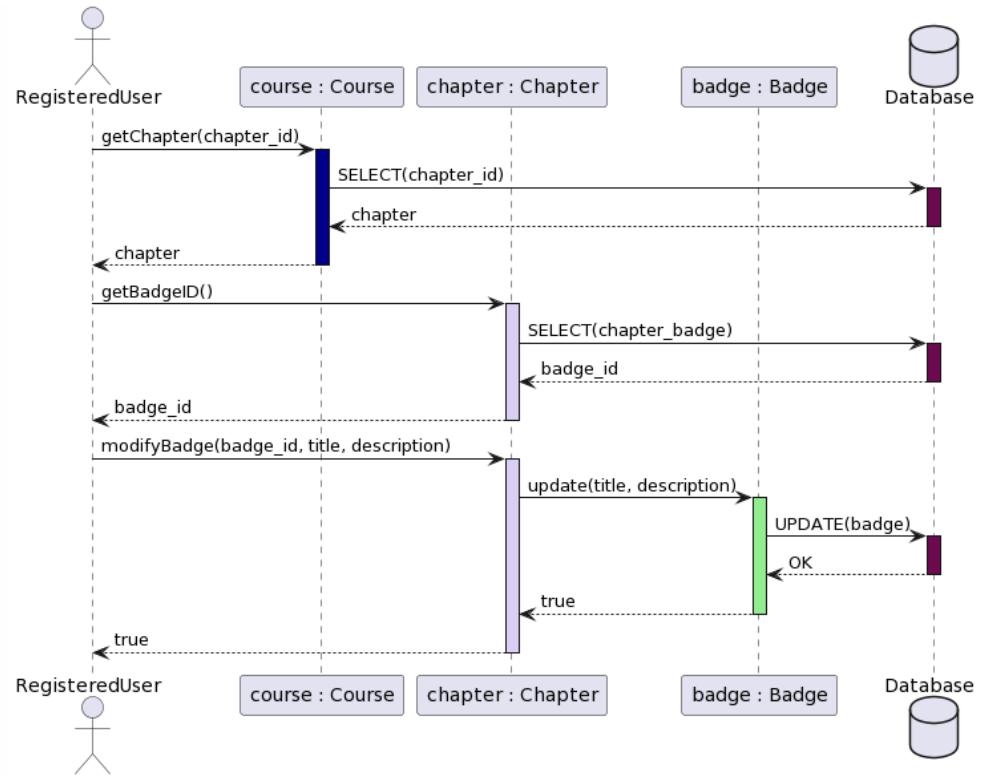
Participate in a
Poll - Hatice Şule
Erkul



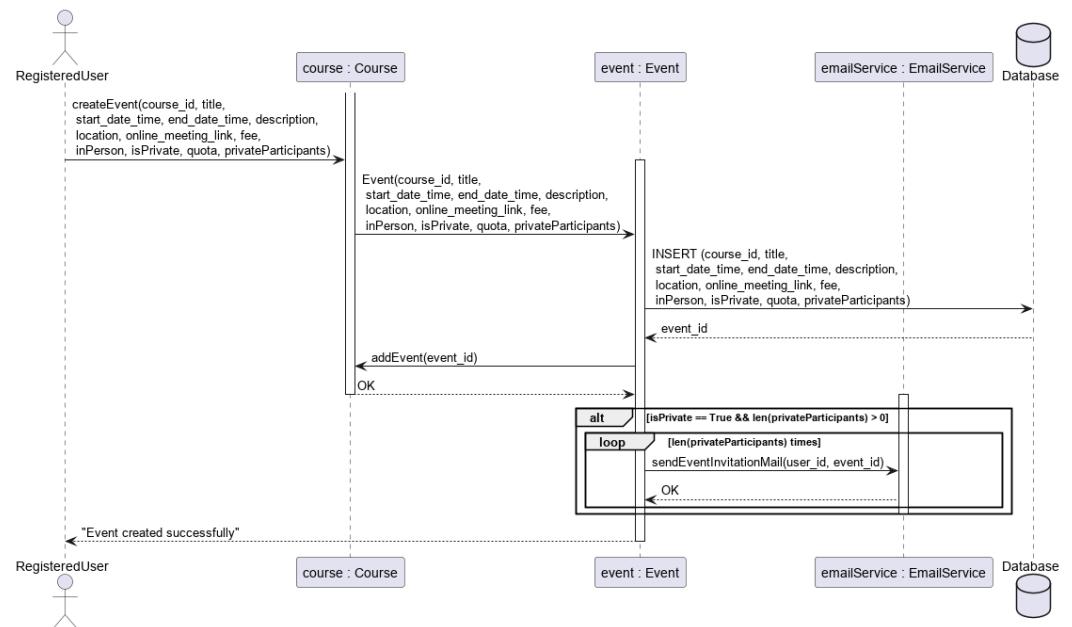
Topic**Sequence Diagram**

Topic**Sequence Diagram**

**Modify a Badge -
Hatice Şule Erkul**

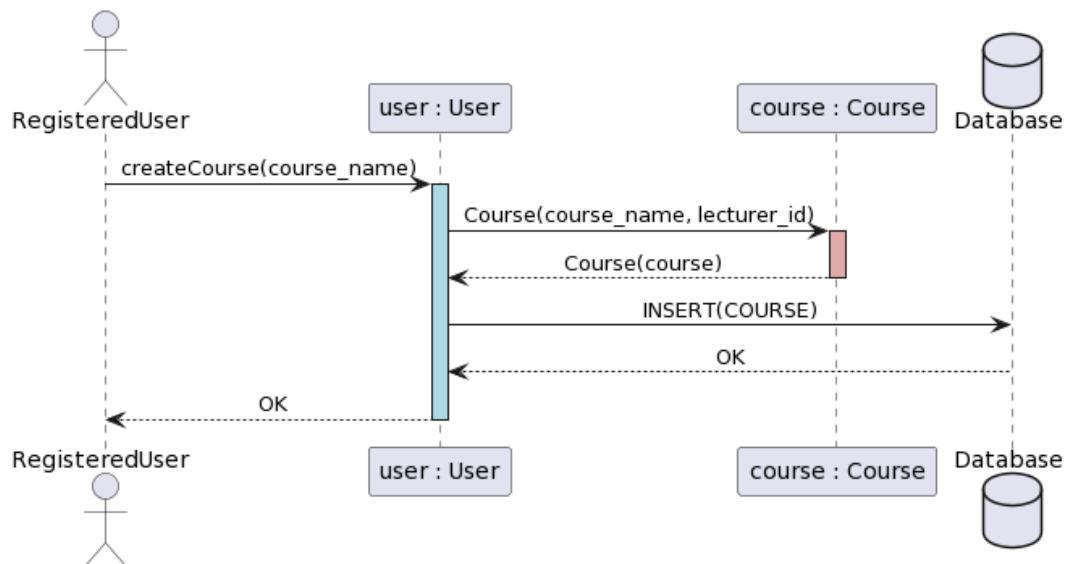


**Create Event -
Nurlan Dadashov**

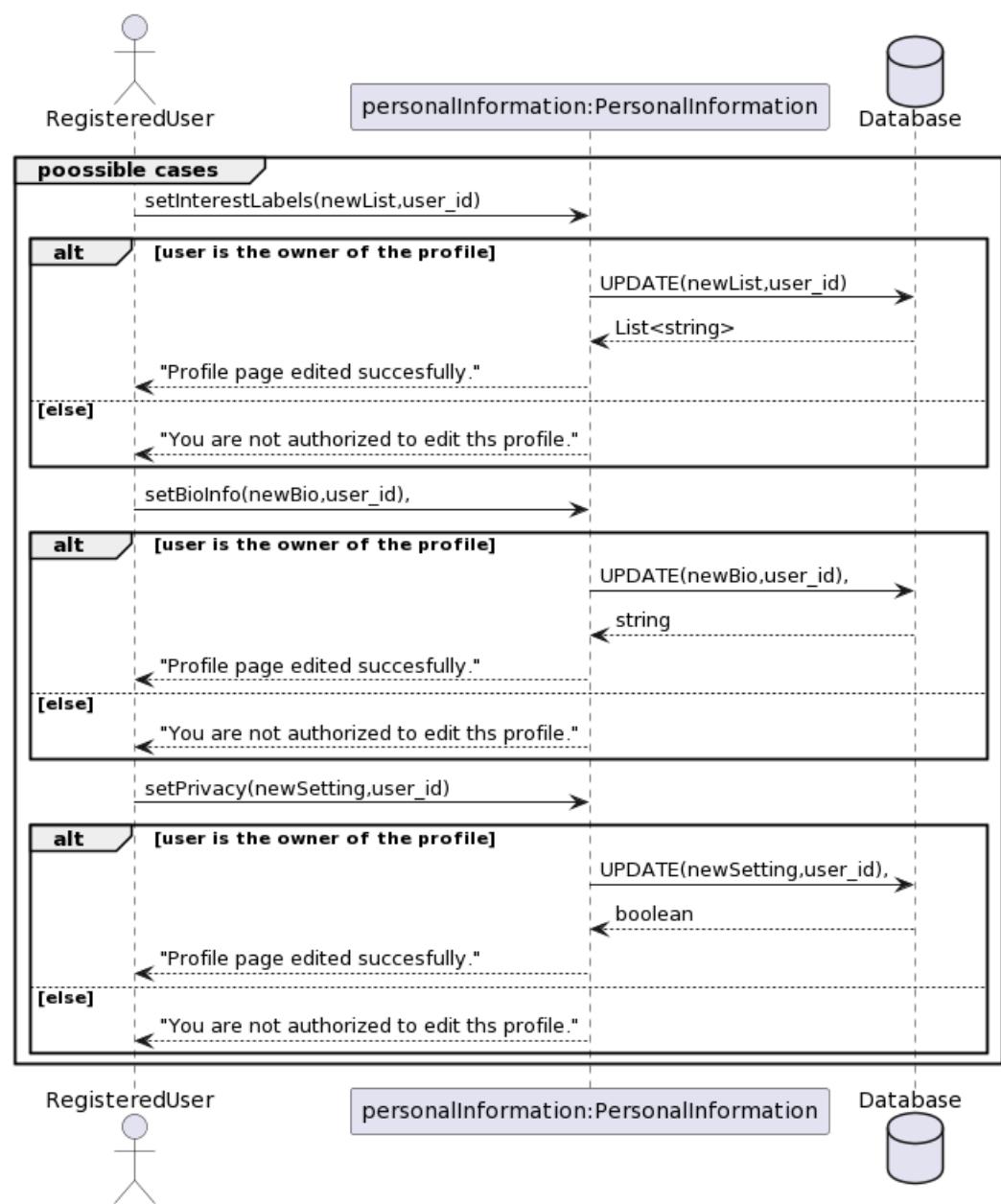


Topic**Sequence Diagram**

Create Course -
Arif Akbaba

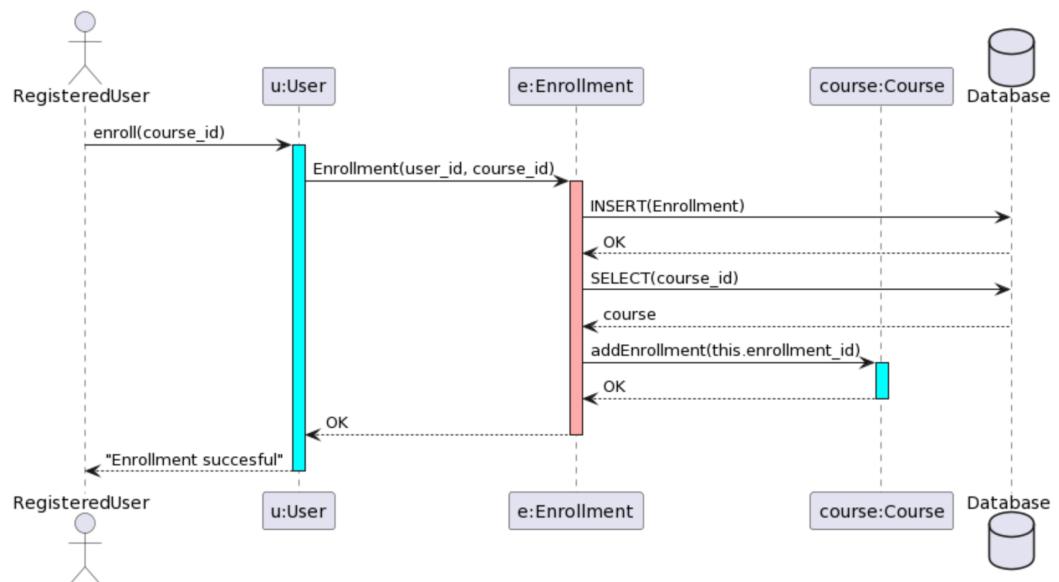


Edit Profile Page -
Mertcan Özkan

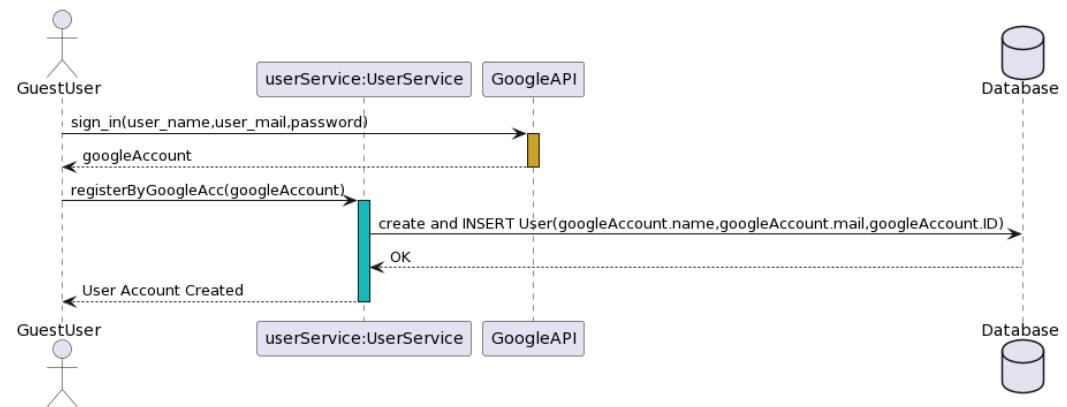


Topic**Sequence Diagram**

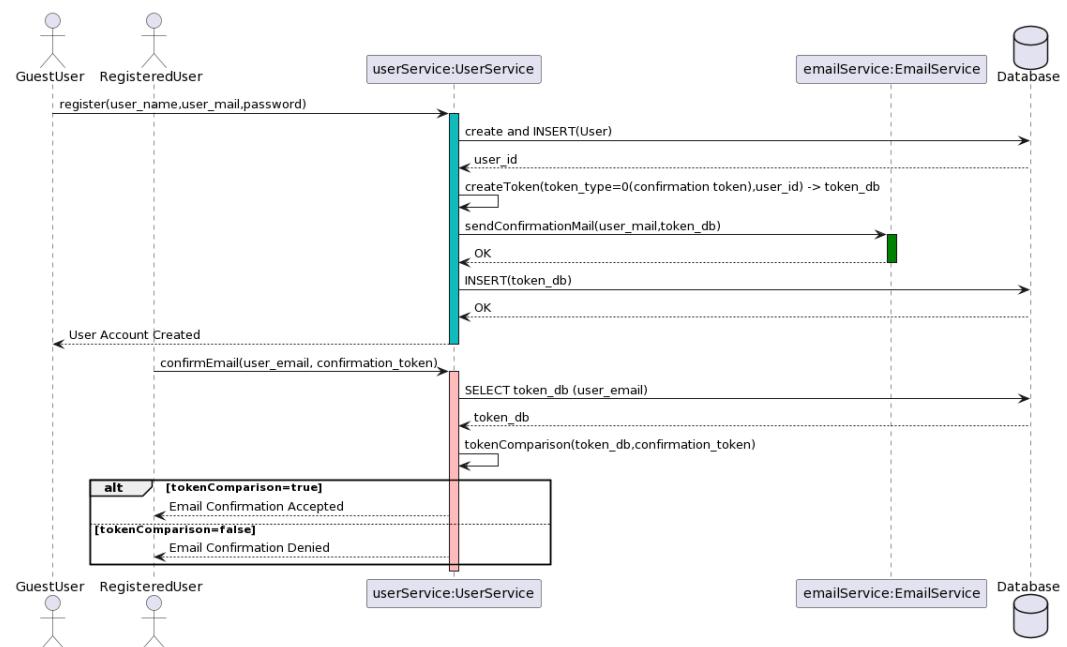
Enroll to a Course
- Mehmet
Gökberk Arslan



Registration/Sign-up via Google Account - Kadir Ersøy

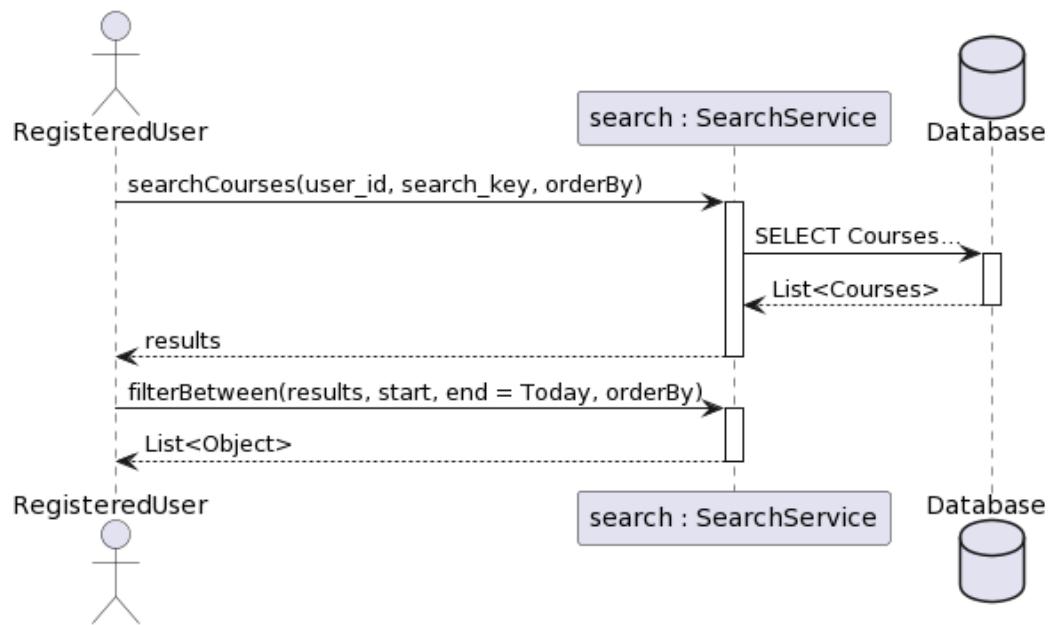


Registration/Sign-up - Kadir Ersøy

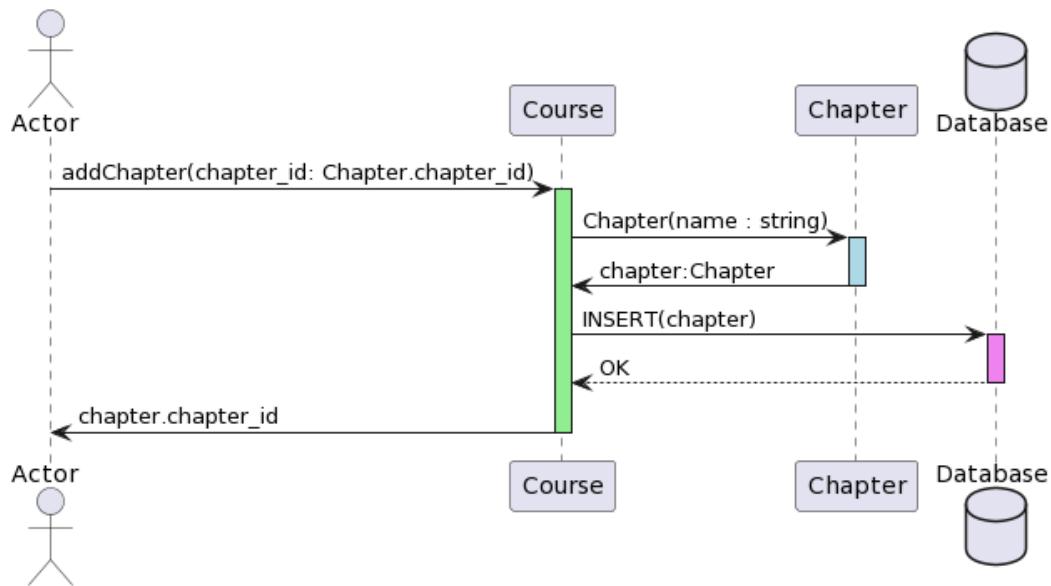


Topic**Sequence Diagram**

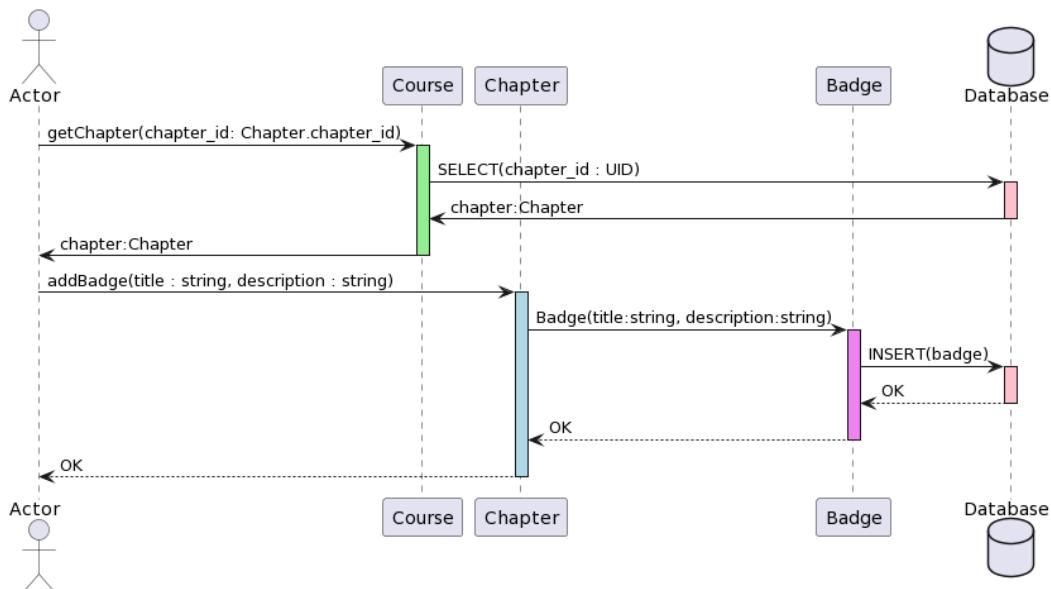
Search & Filter -
Bilal Aytekin



Create Chapter -
Bengisu Takkin

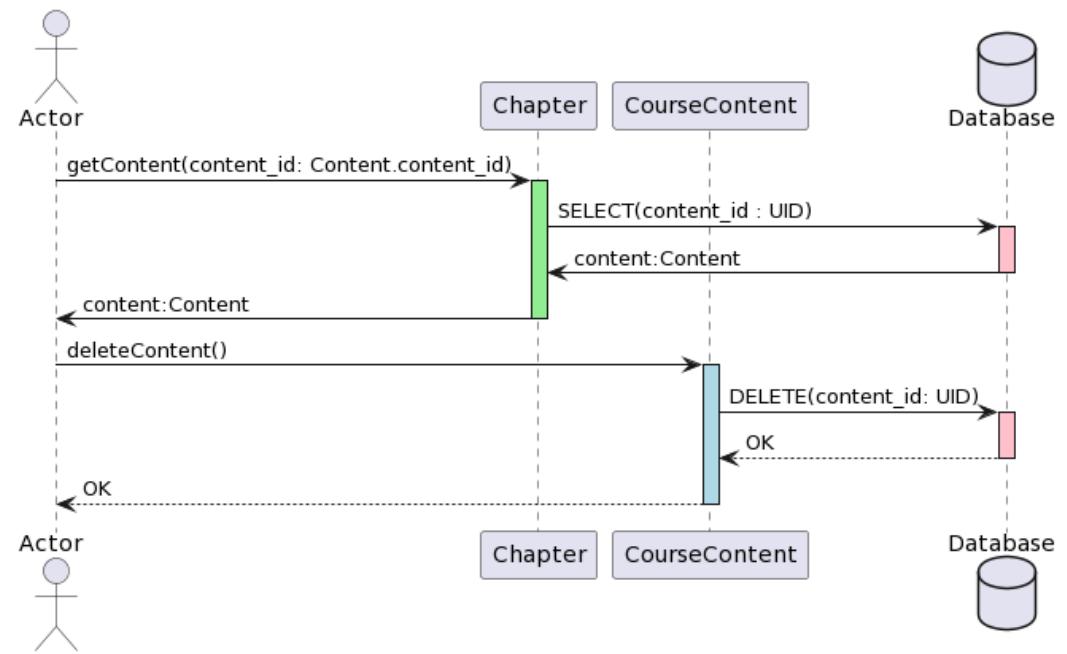


Add Badge -
Bengisu Takkin



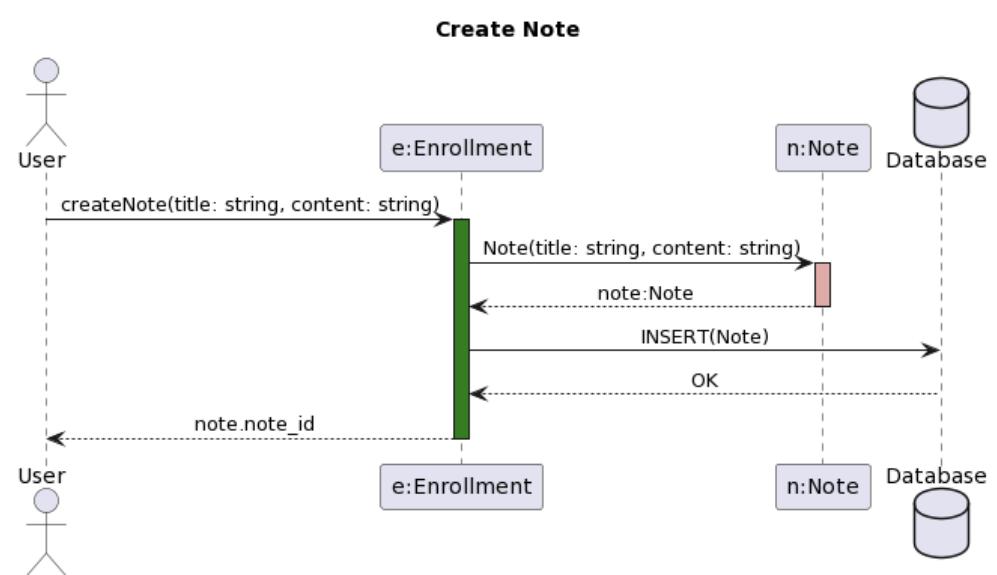
Topic**Sequence Diagram**

Delete Content -
Bengisu Takkin



Managing Notes

Create note -
Muhammet Şen

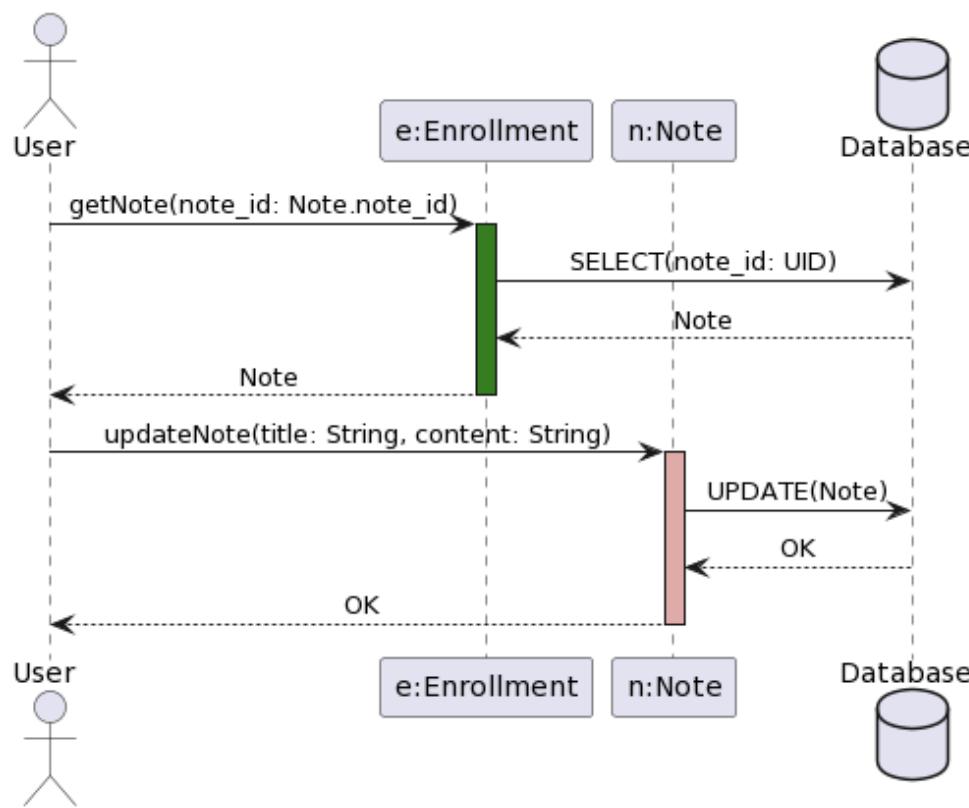


Topic**Sequence Diagram**

Managing Notes

Edit Note

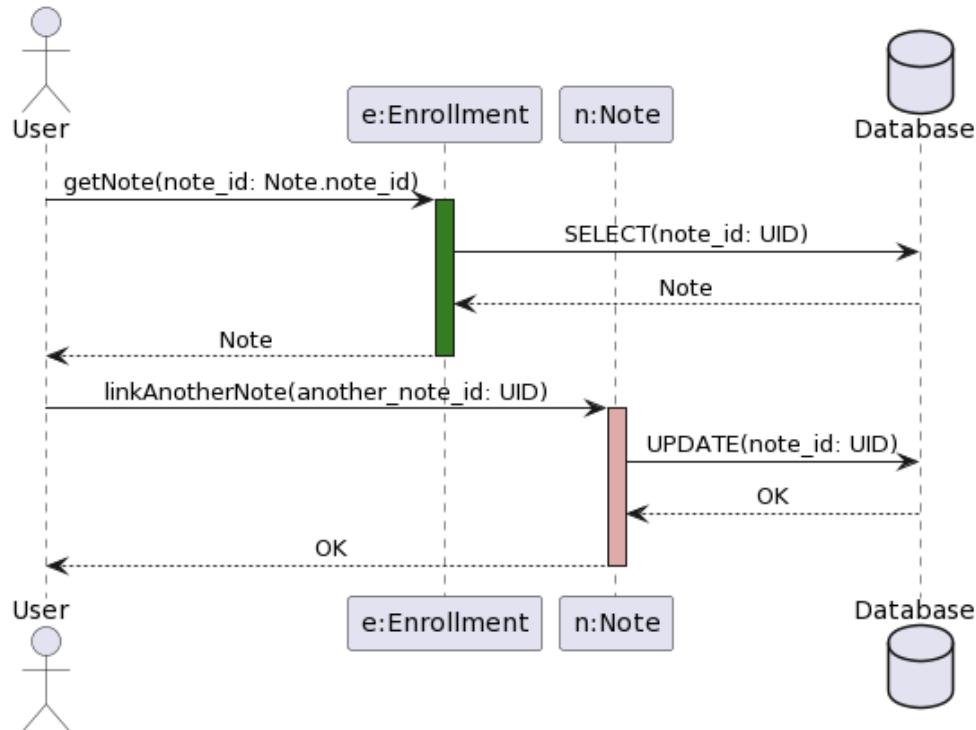
Edit note -
Muhammet Şen



Managing Notes

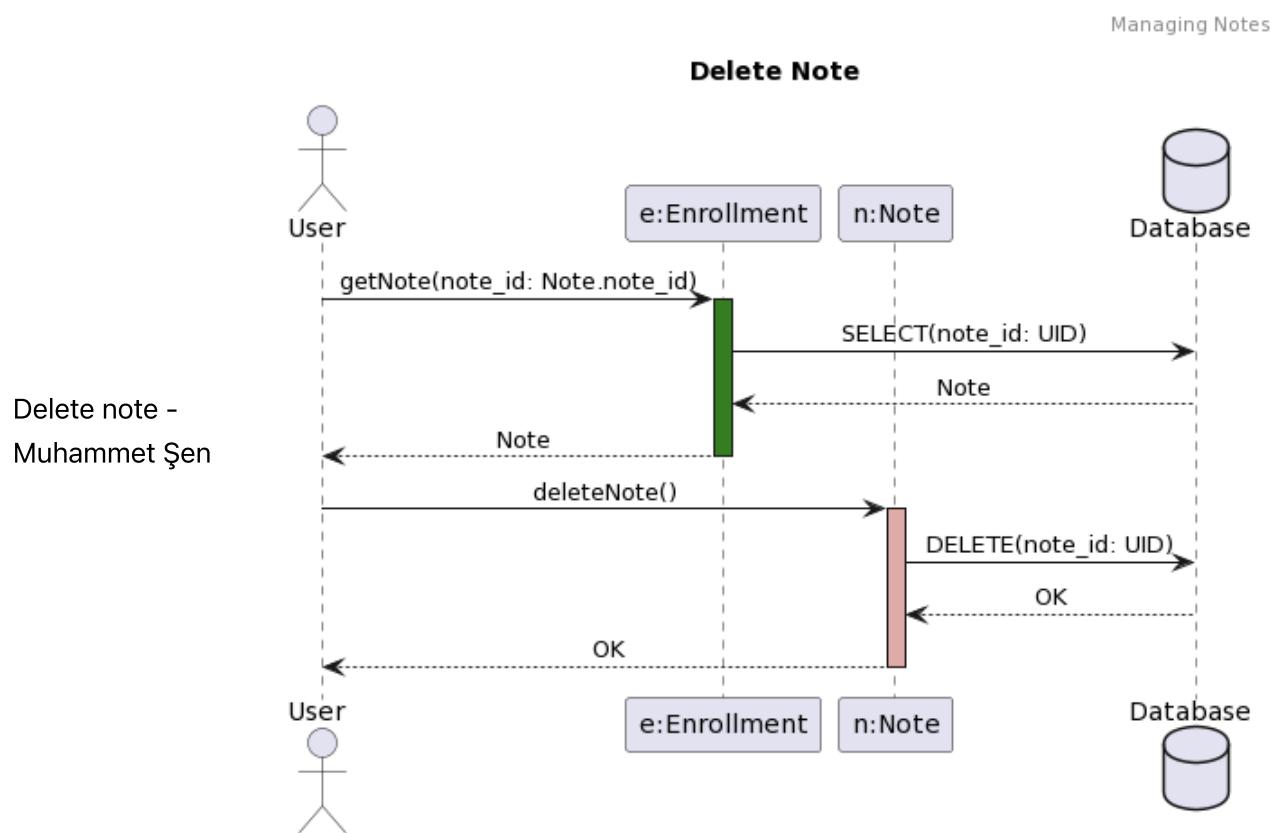
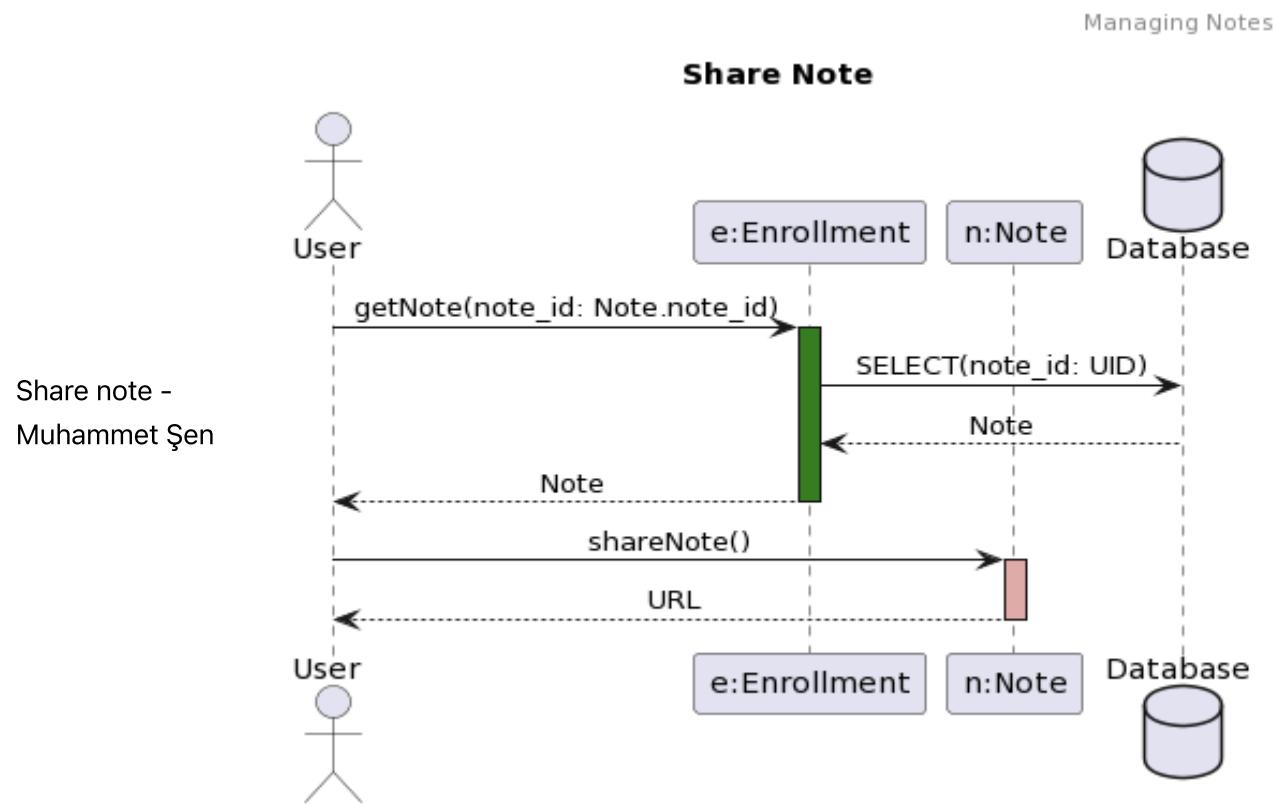
Link Another Note

Link Another note
- Muhammet Şen



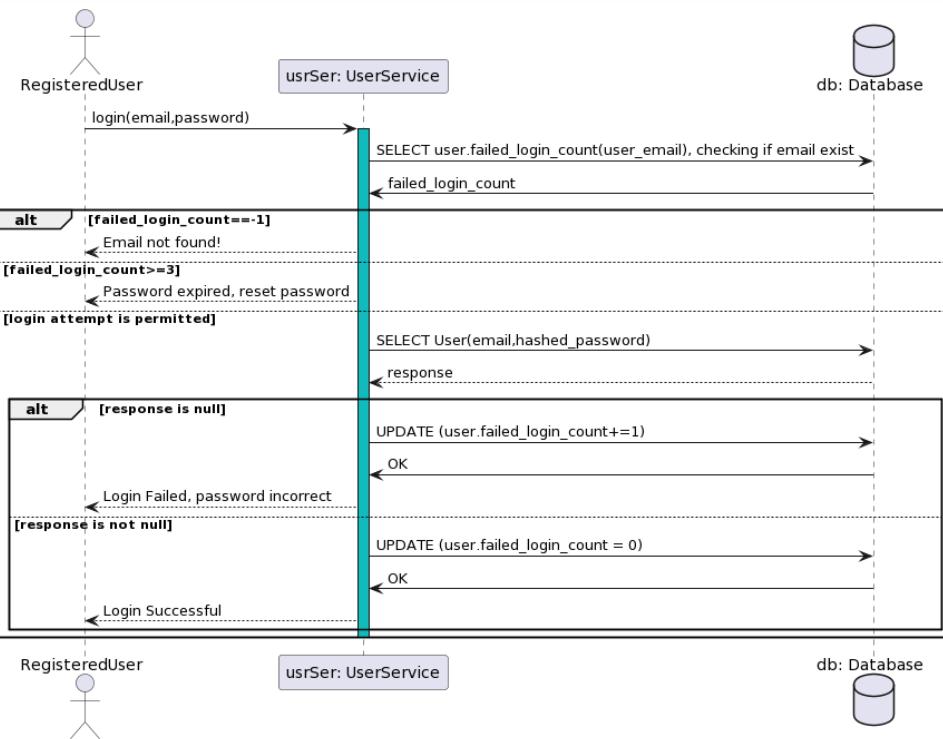
Topic

Sequence Diagram

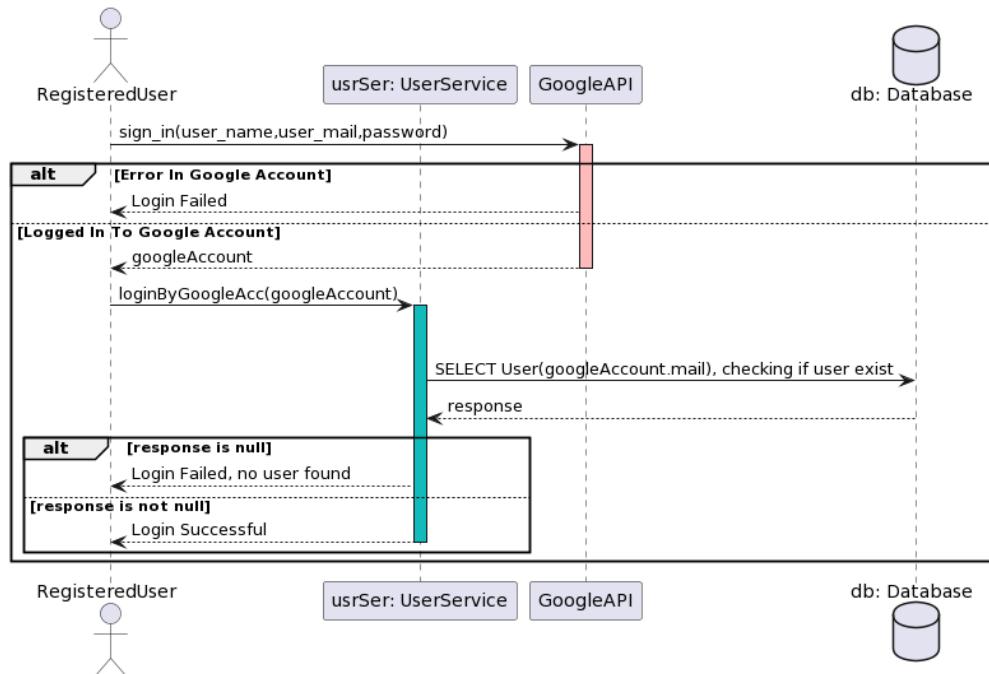


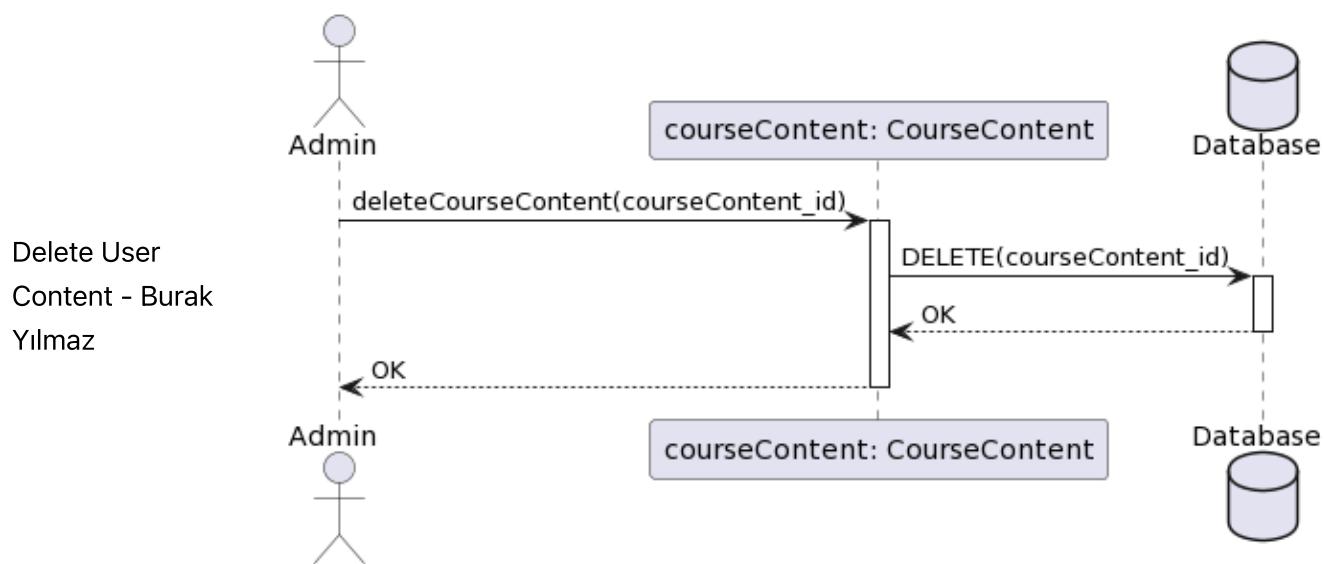
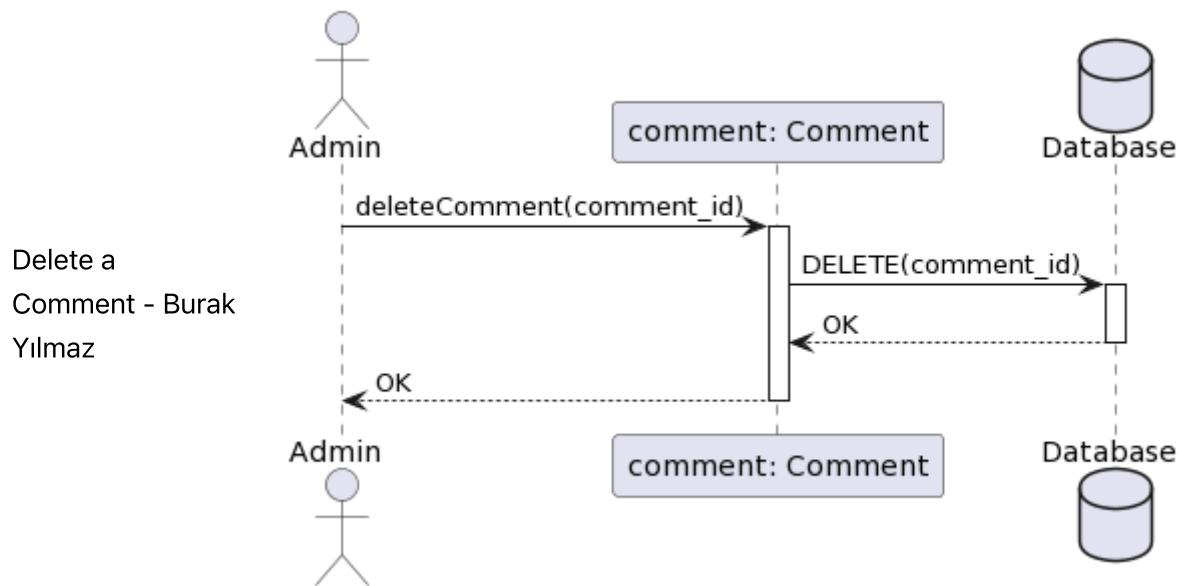
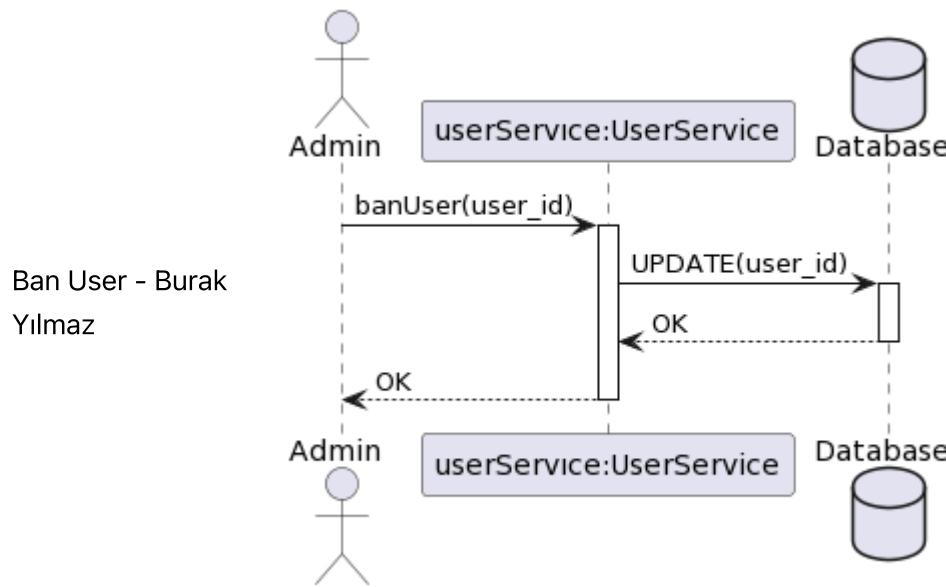
Topic**Sequence Diagram**

Login / Sign In -
Salim Kemal Tirit



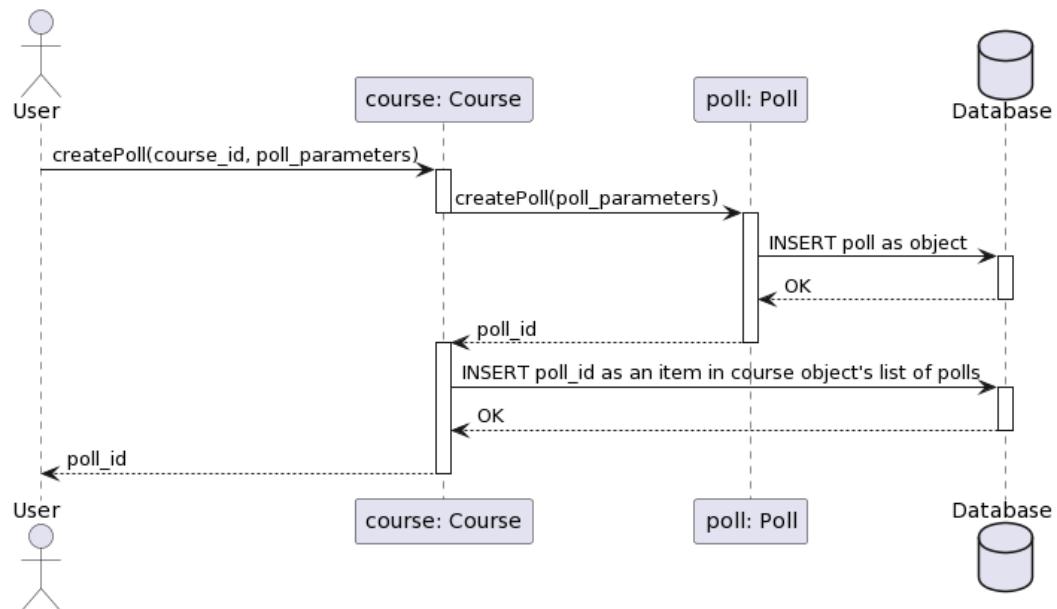
Login / Sign In via Google Account -
Salim Kemal Tirit



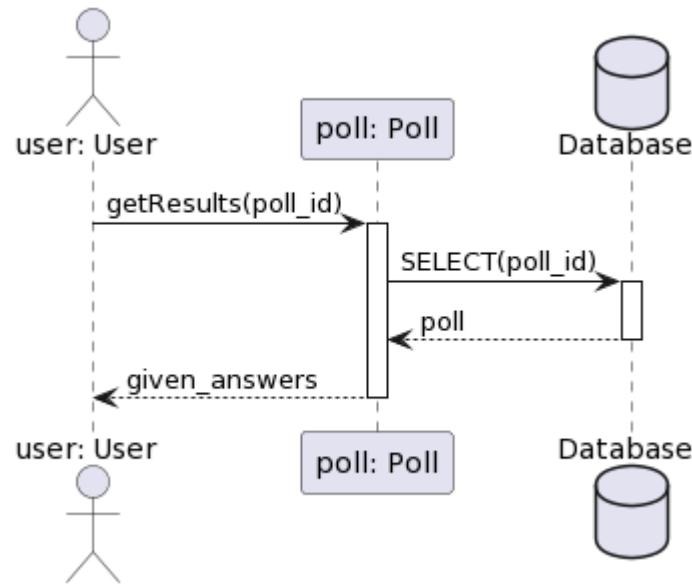
Topic**Sequence Diagram**

Topic**Sequence Diagram**

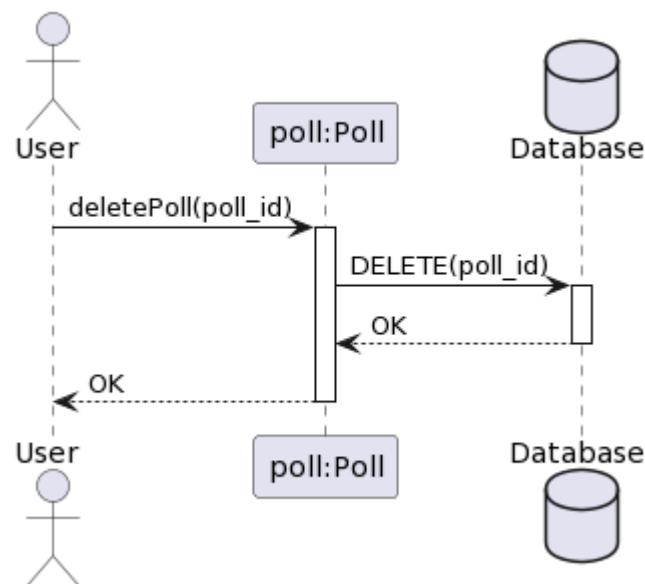
Create Poll -
Burak Yilmaz



Get Poll Results -
Burak Yilmaz



Delete Poll -
Burak Yilmaz



	Ahmet Kudu	Arif Akbaba	Bengisu Kübra Takkın	Bilal Aytékin	Burak Yılmaz	Hatice Şule Erkul	Kadir Ersoy	Mehmet Gökberk Arslan	Mertcan Özkan	Muhammet Şen	Nurlan Dadashev	Salim Kemal Tirit
Lead(L)												
Secondary(S)												
Contributor(C)												
Reviewer (R)												
None(N)												
Infrastructure Setup												
Create Personal Wiki Page	C	C	C	C	C	C	L	C	C	C	C	C
Write README file	L	N	N	N	N	N	N	N	N	N	N	N
Create Communication Plan	R	N	N	N	N	N	N	N	N	N	N	L
Create Personal Effort Tracking Template	N	N	N	L	N	N	N	N	N	S	N	
Create Meeting Notes Template	N	N	N	N	N	N	N	N	L	S	N	
Create Issue Template	L	N	N	N	N	N	N	N	N	N	N	N
Create Issue Labels	C	N	N	N	N	N	N	L	N	N	N	N
Create Wiki Home Page	C	N	N	N	N	L	N	N	N	N	N	N
Create Wiki Sidebar	C	N	N	N	N	L	N	N	N	N	N	N
Create Slack Workspace	R	N	N	N	L	N	N	N	N	N	N	N
Research												
Study Git	C	C	C	C	C	C	C	C	C	C	C	C
Create a Wiki Page for Git Research	C	R	R	R	R	R	R	L	R	R	R	R
Research Github Repositories	C	C	C	C	C	C	C	C	C	C	C	C
Document Favorite Repositories	C	L	C	C	C	C	C	C	C	C	C	C
Requirements												
Glossary for Requirements	C	R	R	R	R	L	R	R	R	R	R	R
Functional Requirements												
User Requirements	C	R	L	R	R	R	R	R	R	R	R	L
Account Feature Requirements	R	R	R	R	R	R	R	R	R	R	R	R
Profile Requirements	R	R	R	R	R	C	R	R	L	R	R	R
User Actions Requirements	C	R	S	R	R	C	R	R	R	R	R	L
Admin User Requirements	L	R	R	R	R	R	R	R	R	R	R	R
System Requirements	C	R	R	R	R	R	R	R	L	R	R	R
Profile Page Requirements	R	R	C	R	R	R	R	R	L	R	R	C
Communication Channel Requirements	C	R	R	R	L	R	R	R	R	R	R	R
Note Taking Requirements	R	C	R	R	R	R	R	R	R	R	R	R
Recommendations Requirements	N	R	R	R	R	R	R	L	R	R	R	R
Search Engine Requirements	N	R	R	L	R	R	R	R	R	R	R	R
Annotation Requirements	N	R	R	R	L	R	R	R	R	R	R	R
Event Organization Requirements	R	R	R	R	R	L	R	R	R	R	C	R
Non-Functional Requirements												
Accessibility and Availability Requirements	N	R	R	R	R	R	R	R	R	R	L	R
Security Requirements	N	R	R	R	R	R	R	R	R	R	L	R
Privacy Requirements	N	R	R	S	R	R	R	R	C	R	L	R
Performance and Reliability Requirements	R	R	R	R	R	R	R	R	R	R	L	R
Standarts Requirements	R	R	R	R	R	R	R	R	R	R	L	R
Revision of Requirements	R	R	R	R	R	L	C	R	R	R	C	R
Tracking of Requirement Wiki Page	C	R	R	R	N	N	N	N	R	L	N	N
Ask Questions Regarding Requirements	C	C	C	C	C	C	L	C	C	C	C	C
Document Requirement Questions and Answers	C	R	R	R	N	L	N	R	C	R	R	N
Scenarios & Mockups												
Scenario: Event Creation	R	R	N	R	N	N	L	N	S	N	R	R
Scenario: Creating Discussion	R	N	N	R	N	C	N	R	N	L	R	N
Scenario: Note Taking	R	N	C	R	L	N	N	N	N	N	R	N
Mockup Web: Event Creation	N	N	R	N	N	N	R	R	R	N	R	L
Mockup Web: Creating Discussions	L	N	R	N	N	R	N	R	N	R	R	N
Mockup Web: Note Taking	R	R	R	R	R	N	N	R	N	N	L	N
Mockup Mobile: Event Creation	N	L	N	N	N	N	R	R	R	N	R	R
Mockup Mobile: Creating Discussions	R	N	N	N	N	R	N	L	N	R	R	N
Mockup Mobile: Note Taking	R	R	R	L	R	N	N	R	N	N	R	N

	Ahmet Kudu	Arif Akbaba	Bengisu Kübra Takkın	Bilal Aytekin	Burak Yılmaz	Hatice Şule Erkul	Kadir Ersoy	Mehmet Gökberk Arslan	Mertcan Özkan	Muhammet Şen	Nurlan Dadashov	Salim Kemal Tirit
Create Mockup Template for Web	N	N	L	N	R	R	N	R	N	R	C	N
Create Mockup Template for Mobile	N	N	R	N	R	L	N	R	N	R	C	N
Software Design												
Class Diagrams												
Badge Class	R	R	R	R	R	L	R	R	R	R	R	R
Chapter Class	R	R	R	R	R	R	R	R	R	R	R	L
Comment Class	R	R	R	R	R	R	R	L	R	R	R	R
Course Class	R	L	R	R	R	R	R	R	R	R	R	R
Course Content Class	R	R	R	R	R	L	R	R	R	R	R	R
Discussion Class	L	R	R	R	R	R	R	R	R	R	R	R
Enrollment Class	R	R	R	R	R	R	R	R	R	L	R	R
Event Class	R	R	R	R	R	R	R	R	R	R	L	R
Feedback Class	R	R	R	R	R	L	R	R	R	L	R	R
Note Class	R	R	R	R	R	R	R	R	R	L	R	R
Personal Information Class	R	R	R	R	R	R	R	R	L	R	R	R
Poll Class	R	R	R	R	L	R	R	R	R	R	R	R
Search Service	R	R	R	L	R	R	R	R	R	R	R	R
User Class	R	R	R	R	R	R	L	R	R	R	R	R
Email Service Class	R	R	L	R	R	R	R	R	R	R	R	R
Use Case Diagrams												
Register	R	R	R	R	R	R	L	R	R	R	R	R
Login	R	R	R	R	R	R	R	R	R	R	R	L
Admin User	R	R	R	R	L	R	R	R	R	R	R	R
Manage Polls	R	R	R	R	L	R	R	R	R	R	R	R
Organize Event	R	R	R	R	R	R	R	R	R	R	L	R
Create Course Content	R	R	L	R	R	R	R	R	R	R	R	R
Create Course	R	L	R	R	R	R	R	R	R	R	R	R
Manage Notes	R	R	R	R	R	R	R	R	R	L	R	R
Search	R	R	R	L	R	R	R	R	R	R	R	R
View Course Content	R	R	R	R	R	L	R	S	R	R	R	R
Discussion Forum	L	R	R	R	R	R	R	R	R	R	R	R
View Profile Page	R	R	R	R	R	R	C	R	L	R	R	R
Follow / Block User	R	R	R	R	R	R	L	R	R	R	R	R
Sequence Diagrams												
Create Discussion	L	R	R	R	R	R	R	R	R	R	R	R
Search Courses	R	R	R	L	R	R	R	R	R	R	R	R
Providing Account Info	R	R	R	R	R	R	L	R	R	R	R	R
Register with Social Media	R	R	R	R	R	R	L	R	R	R	R	R
Create Event	R	R	R	R	R	R	R	R	R	R	L	R
Enroll to a Course	R	R	R	R	R	R	R	L	R	R	R	R
Modify Custom Badges	R	R	R	R	R	L	R	R	R	R	R	R
Create Course	R	L	R	R	R	R	R	R	R	R	R	R
Create Poll	R	R	R	R	L	R	R	R	R	R	R	R
Get Poll Results	R	R	R	R	L	R	R	R	R	R	R	R
Delete Poll	R	R	R	R	L	R	R	R	R	R	R	R
Ban a User	R	R	R	R	L	R	R	R	R	R	R	R
Delete a Course Content	R	R	R	R	L	R	R	R	R	R	R	R
Delete a Comment	R	R	R	R	L	R	R	R	R	R	R	R
Create Note	R	R	R	R	R	R	R	R	R	L	R	R
Edit Note	R	R	R	R	R	R	R	R	R	L	R	R
Link Another Note	R	R	R	R	R	R	R	R	R	L	R	R
Share Note	R	R	R	R	R	R	R	R	R	L	R	R

	Ahmet Kudu	Arif Akbaba	Bengisu Kübra Takkin	Bilal Aytekin	Burak Yılmaz	Hatice Şule Erkul	Kadir Ersoy	Mehmet Gökberk Arslan	Mertcan Özkan	Muhammet Şen	Nurlan Dadashov	Salim Kemal Tirit
Delete Note	R	R	R	R	R	R	R	R	R	L	R	R
Edit Profile Page	R	R	R	R	R	R	R	R	L	R	R	R
Login	R	R	R	R	R	R	R	R	R	R	R	L
Create Chapter	R	R	L	R	R	R	R	R	R	R	R	R
Add Badge	R	R	L	R	R	R	R	R	R	R	R	R
Delete Content	R	R	L	R	R	R	R	R	R	R	R	R
View Feedbacks	R	R	R	R	R	L	R	R	R	R	R	R
Give Feedback	R	R	R	R	R	L	R	R	R	R	R	R
View Course Content	R	R	R	R	R	L	R	R	R	R	R	R
Participate in a Poll	R	R	R	R	R	L	R	R	R	R	R	R
View Events	R	R	R	R	R	L	R	R	R	R	R	R
Register to an Event	R	R	R	R	R	L	R	R	R	R	R	R
Meetings												
Document Meeting Notes for Meeting 1	N	N	N	N	N	N	N	N	N	L	N	N
Document Meeting Notes for Meeting 2	N	N	L	N	N	N	N	N	N	N	N	N
Document Meeting Notes for Meeting 3	N	N	N	N	N	N	L	N	N	N	N	N
Document Meeting Notes for Meeting 4	N	N	N	N	N	N	N	N	N	L	N	N
Document Meeting Notes for Meeting 5	N	N	N	N	N	N	N	N	N	N	L	N
Document Meeting Notes for Meeting 6	N	N	N	N	N	N	L	N	N	N	N	N
Document Meeting Notes for Meeting 7	N	N	N	N	N	N	N	N	N	L	N	N
Document Meeting Notes for Meeting 8	N	N	N	N	N	N	N	N	N	N	N	L
Document Meeting Notes for Meeting 9	N	N	N	N	N	L	N	N	N	N	N	N
Document Meeting Notes for Meeting 10	N	N	N	N	N	N	L	N	N	N	N	N
Document Meeting Notes for Meeting 11	N	N	L	N	N	N	N	N	N	N	N	N
Document Meeting Notes for Customer Meeting 1	N	N	N	N	N	L	N	N	N	N	N	N
Document Meeting Notes for Customer Meeting 2	N	N	L	N	N	N	N	N	N	N	N	N
Milestone Report 1												
Executive Summary	R	L	R	R	R	R	R	R	R	R	R	R
Evaluation of Project Repository	R	R	R	R	L	R	R	R	R	R	R	R
Evaluation of Requirements	R	R	R	R	R	R	R	R	L	R	R	R
Evaluation of Scenarios & Mockups	L	R	R	R	R	R	R	R	R	R	R	R
Evaluation of UML Diagrams	R	R	R	R	R	R	R	L	R	R	R	R
Evaluation of Project Plan	R	R	R	R	R	R	L	R	R	R	R	R
Evaluation of Responsibility Assignment Matrix	R	R	R	R	R	L	R	R	R	R	R	R
Evaluation of Communication Plan	R	R	R	R	R	R	R	R	R	R	L	R
Evaluation of Tools Used Until M1	R	R	R	R	R	R	R	R	R	R	R	L
Write Deliverables in a Table with Statuses	R	R	L	R	R	R	R	R	R	R	R	R
Prepare a Project Plan	C	C	C	C	C	C	C	C	C	L	C	C
Prepare RAM	C	C	C	C	C	L	C	C	C	C	C	C
Write Total Work Done in a Table	C	C	C	L	C	C	C	C	C	C	C	C
Compose the Report	R	R	R	L	R	R	R	R	R	R	R	R
Future Research												
Research for Tools												
Conteinerization	N	N	N	C	N	C	N	C	N	C	N	N
CI/CD	C	C	C	C	C	C	C	C	C	C	C	C
Testing Tools	C	C	C	C	C	C	C	C	C	C	C	C
Cloud Infrastructure Technologies	N	N	N	C	N	C	N	C	N	C	N	N
Backend Technologies	N	N	N	C	N	C	N	C	N	C	N	N
Frontend Technologies	C	N	C	N	C	N	N	N	N	N	C	N
Database Technologies	C	C	C	C	C	C	C	C	C	C	C	C
Mobile Technologies	N	C	N	N	N	N	C	N	C	N	N	C
Final Project Report	C	C	C	C	L	C	C	C	C	C	C	C

		Name	Duration	Start	Finish	Resource Names
1		Share Note	2 days	3/5/22 8:00 AM	3/8/22 5:00 PM	
2		Create Personal Wiki Page	2 days	3/5/22 8:00 AM	3/8/22 5:00 PM	Everyone
3		Write README file	1 day	3/6/22 8:00 AM	3/7/22 5:00 PM	Ahmet Kudu
4		Create Communication Plan	1 day	3/6/22 8:00 AM	3/7/22 5:00 PM	Salim Kemal Tirit
5		Create Personal Effort Tracking Tem...	1 day	3/6/22 8:00 AM	3/7/22 5:00 PM	Bilal Aytekin;Nurlan Dadashov
6		Create Meeting Notes Template	1 day	3/6/22 8:00 AM	3/7/22 5:00 PM	Muhammet en;Nurlan Dadashov
7		Create Issue Template	1 day	3/6/22 8:00 AM	3/7/22 5:00 PM	Ahmet Kudu
8		Create Issue Labels	1 day	3/6/22 8:00 AM	3/7/22 5:00 PM	Mertcan Özkan
9		Create Wiki Home Page	1 day	3/6/22 8:00 AM	3/7/22 5:00 PM	Hatice ule Erkul
10		Create Wiki Sidebar	1 day	3/6/22 8:00 AM	3/7/22 5:00 PM	Hatice ule Erkul
11		Create Slack Workspace	1 day	3/6/22 8:00 AM	3/7/22 5:00 PM	Burak Ylmaz
12		Research	2 days	3/4/22 8:00 AM	3/7/22 5:00 PM	
13		Study Git	2 days	3/4/22 8:00 AM	3/7/22 5:00 PM	Everyone
14		Create a Wiki Page for Git Research	1 day	3/6/22 8:00 AM	3/7/22 5:00 PM	Mehmet Gökberk Arslan
15		Research Github Repositories	1 day	3/6/22 8:00 AM	3/7/22 5:00 PM	Everyone
16		Document Favorite Repositories	1 day	3/7/22 8:00 AM	3/7/22 5:00 PM	Everyone
17		Requirements	5 days	3/12/22 8:00 AM	3/18/22 5:00 PM	
18		Glossary for Requirements	3 days	3/12/22 8:00 AM	3/16/22 5:00 PM	Hatice ule Erkul
19		Functional Requirements	3 days	3/13/22 8:00 AM	3/16/22 5:00 PM	
20		User Requirements	3 days	3/13/22 8:00 AM	3/16/22 5:00 PM	Salim Kemal Tirit;Bengisu Takkin
21		Account Feature Requirements	3 days	3/13/22 8:00 AM	3/16/22 5:00 PM	Bengisu Takkin;Salim Kemal Tirit
22		Profile Requirements	3 days	3/13/22 8:00 AM	3/16/22 5:00 PM	Mertcan Özkan
23		User Actions Requirements	3 days	3/13/22 8:00 AM	3/16/22 5:00 PM	Bengisu Takkin;Salim Kemal Tirit
24		Admin User Requirements	3 days	3/13/22 8:00 AM	3/16/22 5:00 PM	Ahmet Kudu
25		System Requirements	3 days	3/14/22 8:00 AM	3/16/22 5:00 PM	
26		Profile Page Requirements	3 days	3/14/22 8:00 AM	3/16/22 5:00 PM	Mertcan Özkan
27		Communication Channel Requirem..	3 days	3/14/22 8:00 AM	3/16/22 5:00 PM	Burak Ylmaz
28		Note Taking Requirements	3 days	3/14/22 8:00 AM	3/16/22 5:00 PM	Arif Akbaba
29		Recommendations Requirements	3 days	3/14/22 8:00 AM	3/16/22 5:00 PM	Mehmet Gökberk Arslan
30		Search Engine Requirements	3 days	3/14/22 8:00 AM	3/16/22 5:00 PM	Bilal Aytekin
31		Event Organization Requirements	3 days	3/14/22 8:00 AM	3/16/22 5:00 PM	Kadir Ersoy
32		Annotation Requirements	3 days	3/14/22 8:00 AM	3/16/22 5:00 PM	Burak Ylmaz
33		Non-Functional Requirements	3 days	3/13/22 8:00 AM	3/16/22 5:00 PM	
34		Accessibility and Availability Requir...	3 days	3/13/22 8:00 AM	3/16/22 5:00 PM	Nurlan Dadashov

The Gantt chart displays the following tasks and their assigned resources:

- Task 1 (Week of Feb 27):** Everyone, Ahmet Kudu, Salim Kemal Tirit, Bilal Aytekin; Nurlan Dadashov, Muhammet en; Nurlan Dadashov.
- Task 2 (Week of Mar 6):** Everyone, Mertcan Özkan, Hatice ule Erkul, Hatice ule Erkul, Burak Ylmaz.
- Task 3 (Week of Mar 13):** Everyone, Mehmet Gökberk Arslan, Everyone, Everyone.
- Task 4 (Week of Mar 20):** Hatice ule Erkul.
- Task 5 (Week of Mar 27):** Salim Kemal Tirit; Bengisu Takkin, Bengisu Takkin; Salim Kemal Tirit, Mertcan Özkan, Bengisu Takkin; Salim Kemal Tirit, Ahmet Kudu.
- Task 6 (Week of Apr 3):** Mertcan Özkan, Burak Ylmaz, Arif Akbaba, Mehmet Gökberk Arslan, Bilal Aytekin, Kadir Ersoy, Burak Ylmaz.
- Task 7 (Week of Apr 10):** Nurlan Dadashov.

4 Apr 22	1 May 22	8 May 22	15 May 22	22 May 22	29 May 22	5 Jun 22	12 Jun 22	19 Jun 22	26 Jun 22														
M	T	W	T	F	S	S	M	T	W	F	S	S	M	T	W	F	S	S	M	T	W	T	F

Nov 22	20 Nov 22	27 Nov 22	4 Dec 22	11 Dec 22	18 Dec 22	25 Dec 22	1 Jan 23	8 Jan 23	15 Jan 23
T	W	T	F	S	S	M	T	W	T

		Name	Duration	Start	Finish	Resource Names
35		Security Requirements	3 days	3/13/22 8:00 AM	3/16/22 5:00 PM	Nurlan Dadashov
36		Privacy Requirements	3 days	3/13/22 8:00 AM	3/16/22 5:00 PM	Nurlan Dadashov;Bilal Aytekin
37		Performance and Reliability Requirements	3 days	3/13/22 8:00 AM	3/16/22 5:00 PM	Nurlan Dadashov
38		Standarts Requirements	3 days	3/13/22 8:00 AM	3/16/22 5:00 PM	Nurlan Dadashov
39		Tracking statuses of Requirement Wi...	3 days	3/13/22 8:00 AM	3/16/22 5:00 PM	Muhammet en
40		Ask Questions Regarding Requirements	3 days	3/13/22 8:00 AM	3/16/22 5:00 PM	Everyone
41		Document Requirement Questions an...	1 day	3/18/22 8:00 AM	3/18/22 5:00 PM	Hatice ule Erkul
42		Scenarios & Mockups	5 days	3/18/22 8:00 PM	3/25/22 5:00 PM	
43		Create Mockup Template for Web	1 day	3/18/22 8:00 PM	3/21/22 5:00 PM	Bengisu Takkin
44		Create Mockup Template for Mobile	1 day	3/18/22 8:00 PM	3/21/22 5:00 PM	Hatice ule Erkul
45		Scenario: Event Creation	1 day	3/18/22 8:00 PM	3/21/22 5:00 PM	Kadir Ersoy;Mertcan Özkan
46		Mockup Web: Event Creation	2 days	3/22/22 8:00 AM	3/23/22 5:00 PM	Salim Kemal Tirit
47		Mockup Mobile: Event Creation	2 days	3/22/22 8:00 AM	3/23/22 5:00 PM	Arif Akbaba
48		Scenario: Creating Discussion	2 days	3/18/22 8:00 PM	3/22/22 5:00 PM	Muhammet en;Hatice ule Erkul
49		Mockup Web: Creating Discussions	2 days	3/23/22 5:00 PM	3/25/22 5:00 PM	Ahmet Kudu
50		Mockup Mobile: Creating Discussions	2 days	3/23/22 5:00 PM	3/25/22 5:00 PM	Mehmet Gökberk Arslan
51		Scenario: Note Taking	1 day	3/18/22 8:00 PM	3/21/22 5:00 PM	Burak Ylmaz;Bengisu Takkin
52		Mockup Web: Note Taking	2 days	3/22/22 8:00 AM	3/23/22 5:00 PM	Nurlan Dadashov
53		Mockup Mobile: Note Taking	2 days	3/22/22 8:00 AM	3/23/22 5:00 PM	Bilal Aytekin
54		Software Design	34 days	3/1/22 8:00 AM	4/15/22 5:00 PM	
55		Class Diagrams	10 days	4/3/22 8:00 AM	4/15/22 5:00 PM	
56		Chapter Class	10 days	4/3/22 8:00 AM	4/15/22 5:00 PM	Salim Kemal Tirit
57		Comment Class	10 days	4/3/22 8:00 AM	4/15/22 5:00 PM	Mehmet Gökberk Arslan
58		Badge Class	10 days	4/3/22 8:00 AM	4/15/22 5:00 PM	Hatice ule Erkul
59		Course Class	10 days	4/3/22 8:00 AM	4/15/22 5:00 PM	Arif Akbaba
60		Course Content Class	10 days	4/3/22 8:00 AM	4/15/22 5:00 PM	Hatice ule Erkul
61		Discussion Class	10 days	4/3/22 8:00 AM	4/15/22 5:00 PM	Ahmet Kudu
62		Enrollment Class	10 days	4/3/22 8:00 AM	4/15/22 5:00 PM	Muhammet en
63		Event Class	10 days	4/3/22 8:00 AM	4/15/22 5:00 PM	Nurlan Dadashov
64		Feedback Class	10 days	4/3/22 8:00 AM	4/15/22 5:00 PM	Muhammet en
65		Note Class	10 days	4/3/22 8:00 AM	4/15/22 5:00 PM	Muhammet en
66		Personal Information Class	10 days	4/3/22 8:00 AM	4/15/22 5:00 PM	Mertcan Özkan
67		Poll Class	10 days	4/3/22 8:00 AM	4/15/22 5:00 PM	Burak Ylmaz
68		Seach Service	10 days	4/3/22 8:00 AM	4/15/22 5:00 PM	Bilal Aytekin

4 Apr 22	1 May 22	8 May 22	15 May 22	22 May 22	29 May 22	5 Jun 22	12 Jun 22	19 Jun 22	26 Jun 22
M	T	W	T	F	S	S	M	T	W

3 Jul 22		10 Jul 22		17 Jul 22		24 Jul 22		31 Jul 22		7 Aug 22		14 Aug 22		21 Aug 22		28 Aug 22		4 Sep 22													
S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	F	S	S	M	T	W

Nov 22	20 Nov 22	27 Nov 22	4 Dec 22	11 Dec 22	18 Dec 22	25 Dec 22	1 Jan 23	8 Jan 23	15 Jan 23																											
T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S				

		Name	Duration	Start	Finish	Resource Names
69		Email Service	10 days	4/3/22 8:00 AM	4/15/22 5:00 PM	Bengisu Takkin
70		User Class	10 days	4/3/22 8:00 AM	4/15/22 5:00 PM	Kadir Ersoy
71		Use Case Diagrams	9 days	4/3/22 8:00 AM	4/14/22 5:00 PM	
72		Register	9 days	4/3/22 8:00 AM	4/14/22 5:00 PM	Kadir Ersoy
73		Login	9 days	4/3/22 8:00 AM	4/14/22 5:00 PM	Salim Kemal Tirit
74		Admin User	9 days	4/3/22 8:00 AM	4/14/22 5:00 PM	Burak Ylmaz
75		Manage Polls	9 days	4/3/22 8:00 AM	4/14/22 5:00 PM	Burak Ylmaz
76		Organize Event	9 days	4/3/22 8:00 AM	4/14/22 5:00 PM	Nurlan Dadashov
77		Create Course Content	9 days	4/3/22 8:00 AM	4/14/22 5:00 PM	Bengisu Takkin
78		Create Course	9 days	4/3/22 8:00 AM	4/14/22 5:00 PM	Arif Akbaba
79		Manage Notes	9 days	4/3/22 8:00 AM	4/14/22 5:00 PM	Muhammet en
80		Search	9 days	4/3/22 8:00 AM	4/14/22 5:00 PM	Bilal Aytekin
81		View Course Content	9 days	4/3/22 8:00 AM	4/14/22 5:00 PM	Hatice ule Erkul;Mehmet Gökberk Ar...
82		Discussion Forum	9 days	4/3/22 8:00 AM	4/14/22 5:00 PM	Ahmet Kudu
83		View Profile Page	9 days	4/3/22 8:00 AM	4/14/22 5:00 PM	Mertcan Özkan;Kadir Ersoy
84		Follow / Block User	9 days	4/3/22 8:00 AM	4/14/22 5:00 PM	Kadir Ersoy
85		Sequence Diagrams	34 days	3/1/22 8:00 AM	4/15/22 5:00 PM	
86		Create Discussion	9 days	4/5/22 8:00 AM	4/15/22 5:00 PM	Ahmet Kudu
87		Search Courses	9 days	4/5/22 8:00 AM	4/15/22 5:00 PM	Bilal Aytekin
88		Register with Social Media	9 days	4/5/22 8:00 AM	4/15/22 5:00 PM	Kadir Ersoy
89		Create Event	9 days	4/5/22 8:00 AM	4/15/22 5:00 PM	Nurlan Dadashov
90		Enroll to a Course	9 days	4/5/22 8:00 AM	4/15/22 5:00 PM	Mehmet Gökberk Arslan
91		Edit Profile Page	9 days	4/5/22 8:00 AM	4/15/22 5:00 PM	Mertcan Özkan
92		Create Course	9 days	4/5/22 8:00 AM	4/15/22 5:00 PM	Arif Akbaba
93		Poll Actions	9 days	3/1/22 8:00 AM	3/11/22 5:00 PM	Burak Ylmaz
94		Create Poll	9 days	3/1/22 8:00 AM	3/11/22 5:00 PM	
95		Get Poll Results	9 days	3/1/22 8:00 AM	3/11/22 5:00 PM	
96		Delete Poll	9 days	3/1/22 8:00 AM	3/11/22 5:00 PM	
97		Admin Actions	9 days	3/1/22 8:00 AM	3/11/22 5:00 PM	Burak Ylmaz
98		Ban a User	9 days	3/1/22 8:00 AM	3/11/22 5:00 PM	
99		Delete a Course Content	9 days	3/1/22 8:00 AM	3/11/22 5:00 PM	
100		Delete a Comment	9 days	3/1/22 8:00 AM	3/11/22 5:00 PM	
101		Manage Note	9 days	3/1/22 8:00 AM	3/11/22 5:00 PM	Muhammet en
102		Create Note	9 days	3/1/22 8:00 AM	3/11/22 5:00 PM	

The Gantt chart illustrates the project timeline and resource allocation across various tasks:

- Project Plan:** Assigned to Bengisu Takkin.
- Market Research:** Assigned to Kadir Ersoy.
- Competitor Analysis:** Assigned to Kadir Ersoy.
- Brand Positioning:** Assigned to Salim Kemal Tirit.
- Design Concept:** Assigned to Burak Ylmaz.
- Prototyping:** Assigned to Burak Ylmaz.
- Testing Phase:** Assigned to Nurlan Dadashov.
- Final Review:** Assigned to Bengisu Takkin.
- Deployment:** Assigned to Arif Akbaba.
- Marketing Strategy:** Assigned to Muhammet en.
- Logistics Management:** Assigned to Bilal Aytekin.
- Customer Support:** Assigned to Hatice ule Erkul; Mehmet Gökb
- Implementation:** Assigned to Ahmet Kudu.
- Quality Control:** Assigned to Mertcan Özkan; Kadir Ersoy.
- Post-Implementation Review:** Assigned to Kadir Ersoy.
- Resource Allocation:** Tasks from 'Market Research' to 'Deployment' are shown with blue bars, indicating resource assignment.
- Design Concept:** Task is shown with a black bar, indicating no resource assigned.
- Prototyping:** Task is shown with a black bar, indicating no resource assigned.
- Testing Phase:** Task is shown with a black bar, indicating no resource assigned.
- Final Review:** Task is shown with a black bar, indicating no resource assigned.
- Deployment:** Task is shown with a black bar, indicating no resource assigned.
- Marketing Strategy:** Task is shown with a black bar, indicating no resource assigned.
- Logistics Management:** Task is shown with a black bar, indicating no resource assigned.
- Customer Support:** Task is shown with a black bar, indicating no resource assigned.
- Implementation:** Task is shown with a black bar, indicating no resource assigned.
- Quality Control:** Task is shown with a black bar, indicating no resource assigned.
- Post-Implementation Review:** Task is shown with a black bar, indicating no resource assigned.

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M	T	W	T	F	S	S	M	T	W

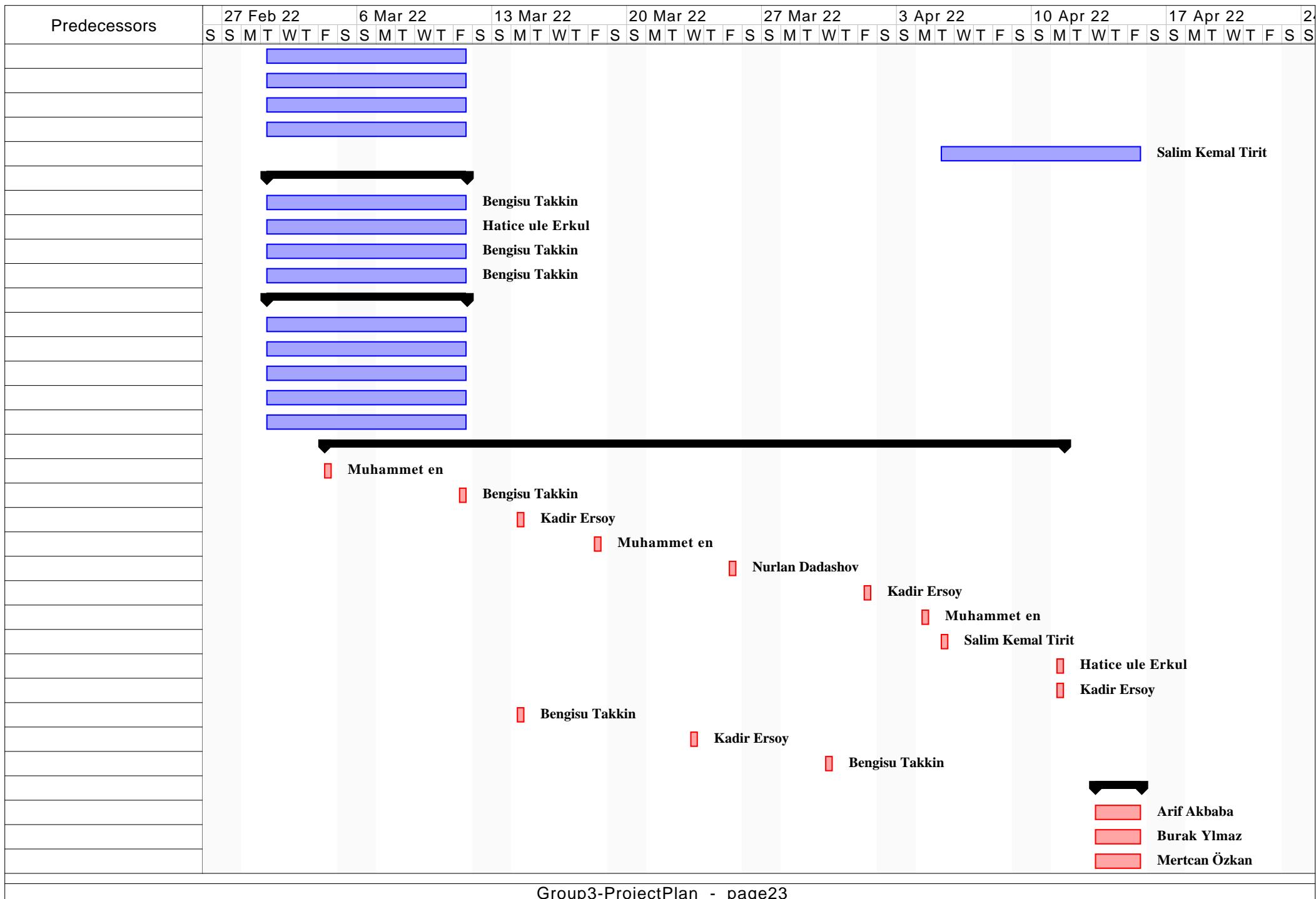
Şkberk Arslan

	11 Sep 22	18 Sep 22	25 Sep 22	2 Oct 22	9 Oct 22	16 Oct 22	23 Oct 22	30 Oct 22	6 Nov 22	13 N
	T	F	S	M	T	W	T	F	S	M

Nov 22	20 Nov 22	27 Nov 22	4 Dec 22	11 Dec 22	18 Dec 22	25 Dec 22	1 Jan 23	8 Jan 23	15 Jan 23																							
T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S

22 Jan 23	29 Jan 23	5 Feb 23											
S	M	T	W	T	F	S	S	M	T	W	T	F	S

		Name	Duration	Start	Finish	Resource Names
103		Edit Note	9 days	3/1/22 8:00 AM	3/11/22 5:00 PM	
104		Link Another Note	9 days	3/1/22 8:00 AM	3/11/22 5:00 PM	
105		Share Note	9 days	3/1/22 8:00 AM	3/11/22 5:00 PM	
106		Delete Note	9 days	3/1/22 8:00 AM	3/11/22 5:00 PM	
107		Login	9 days	4/5/22 8:00 AM	4/15/22 5:00 PM	Salim Kemal Tirit
108		Manage Chapter	9 days	3/1/22 8:00 AM	3/11/22 5:00 PM	
109		Create Chapter	9 days	3/1/22 8:00 AM	3/11/22 5:00 PM	Bengisu Takkin
110		Modify Custom Badges	9 days	3/1/22 8:00 AM	3/11/22 5:00 PM	Hatice ule Erkul
111		Add Badge	9 days	3/1/22 8:00 AM	3/11/22 5:00 PM	Bengisu Takkin
112		Delete Content	9 days	3/1/22 8:00 AM	3/11/22 5:00 PM	Bengisu Takkin
113		View Course Content	9 days	3/1/22 8:00 AM	3/11/22 5:00 PM	Hatice ule Erkul
114		View Feedbacks	9 days	3/1/22 8:00 AM	3/11/22 5:00 PM	
115		Give Feedback	9 days	3/1/22 8:00 AM	3/11/22 5:00 PM	
116		Participate in a Poll	9 days	3/1/22 8:00 AM	3/11/22 5:00 PM	
117		View Events	9 days	3/1/22 8:00 AM	3/11/22 5:00 PM	
118		Register to an Event	9 days	3/1/22 8:00 AM	3/11/22 5:00 PM	
119		Meetings	27 days	3/4/22 8:00 AM	4/11/22 5:00 PM	
120		Document Meeting Notes for Meeting 1	1 day	3/4/22 8:00 AM	3/4/22 5:00 PM	Muhammet en
121		Document Meeting Notes for Meeting 2	1 day	3/11/22 8:00 AM	3/11/22 5:00 PM	Bengisu Takkin
122		Document Meeting Notes for Meeting 3	1 day	3/13/22 8:00 AM	3/14/22 5:00 PM	Kadir Ersøy
123		Document Meeting Notes for Meeting 4	1 day	3/18/22 8:00 AM	3/18/22 5:00 PM	Muhammet en
124		Document Meeting Notes for Meeting 5	1 day	3/25/22 8:00 AM	3/25/22 5:00 PM	Nurlan Dadashov
125		Document Meeting Notes for Meeting 6	1 day	4/1/22 8:00 AM	4/1/22 5:00 PM	Kadir Ersøy
126		Document Meeting Notes for Meeting 7	1 day	4/4/22 8:00 AM	4/4/22 5:00 PM	Muhammet en
127		Document Meeting Notes for Meeting 8	1 day	4/5/22 8:00 AM	4/5/22 5:00 PM	Salim Kemal Tirit
128		Document Meeting Notes for Meeting 9	1 day	4/9/22 8:00 AM	4/11/22 5:00 PM	Hatice ule Erkul
129		Document Meeting Notes for Meeting ..	1 day	4/10/22 8:00 AM	4/11/22 5:00 PM	Kadir Ersøy
130		Document Meeting Notes for Meeting ..	1 day	3/14/22 8:00 AM	3/14/22 5:00 PM	Bengisu Takkin
131		Document Meeting Notes for Custom...	1 day	3/23/22 8:00 AM	3/23/22 5:00 PM	Kadir Ersøy
132		Document Meeting Notes for Custom...	1 day	3/30/22 8:00 AM	3/30/22 5:00 PM	Bengisu Takkin
133		Milestone Report 1	3 days	4/13/22 8:00 AM	4/15/22 5:00 PM	
134		Executive Summary	3 days	4/13/22 8:00 AM	4/15/22 5:00 PM	Arif Akbaba
135		Evaluation of Project Repository	3 days	4/13/22 8:00 AM	4/15/22 5:00 PM	Burak Ylmaz
136		Evaluation of Requirements	3 days	4/13/22 8:00 AM	4/15/22 5:00 PM	Mertcan Özkan



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M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F

3 Jul 22		10 Jul 22		17 Jul 22		24 Jul 22		31 Jul 22		7 Aug 22		14 Aug 22		21 Aug 22		28 Aug 22		4 Sep 22													
S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	F	S	S	M	T	W

	11 Sep 22	18 Sep 22	25 Sep 22	2 Oct 22	9 Oct 22	16 Oct 22	23 Oct 22	30 Oct 22	6 Nov 22	13 Nov 22																	
	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	

Nov 22	20 Nov 22	27 Nov 22	4 Dec 22	11 Dec 22	18 Dec 22	25 Dec 22	1 Jan 23	8 Jan 23	15 Jan 23																											
T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S				

		Name	Duration	Start	Finish	Resource Names
137		Evaluation of Scenarios & Mockups	3 days	4/13/22 8:00 AM	4/15/22 5:00 PM	Ahmet Kudu
138		Evaluation of UML Diagrams	3 days	4/13/22 8:00 AM	4/15/22 5:00 PM	Mehmet Gökberk Arslan
139		Evaluation of Project Plan	3 days	4/13/22 8:00 AM	4/15/22 5:00 PM	Kadir Ersoy
140		Evaluation of Responsibility Assignme..	3 days	4/13/22 8:00 AM	4/15/22 5:00 PM	Hatice ule Erkul
141		Evaluation of Communication Plan	3 days	4/13/22 8:00 AM	4/15/22 5:00 PM	Nurlan Dadashov
142		Evaluation of Tools Used Until M1	3 days	4/13/22 8:00 AM	4/15/22 5:00 PM	Salim Kemal Tirit
143		Write Deliverables in a Table with Sta...	3 days	4/13/22 8:00 AM	4/15/22 5:00 PM	Bengisu Takkin
144		Prepare a Project Plan	3 days	4/13/22 8:00 AM	4/15/22 5:00 PM	Muhammet en
145		Prepare RAM	3 days	4/13/22 8:00 AM	4/15/22 5:00 PM	Hatice ule Erkul;Nurlan Dadashov
146		Write Total Work Done in a Table	3 days	4/13/22 8:00 AM	4/15/22 5:00 PM	Everyone
147		Compose the Report	3 days	4/13/22 8:00 AM	4/15/22 5:00 PM	Bilal Aytekin
148		Future Research	16 days	4/16/22 8:00 AM	5/9/22 5:00 PM	
149		Research for tools	16 days	4/16/22 8:00 AM	5/9/22 5:00 PM	
150		Containerization	16 days	4/16/22 8:00 AM	5/9/22 5:00 PM	Bilal Aytekin;Hatice ule Erkul;Mehme...
151		CI/CD	16 days	4/16/22 8:00 AM	5/9/22 5:00 PM	Everyone
152		Testing tools	16 days	4/16/22 8:00 AM	5/9/22 5:00 PM	Everyone
153		Cloud Infrastructure Services	16 days	4/16/22 8:00 AM	5/9/22 5:00 PM	Bilal Aytekin;Hatice ule Erkul;Mehme...
154		Backend Technologies	16 days	4/16/22 8:00 AM	5/9/22 5:00 PM	Bilal Aytekin;Hatice ule Erkul;Mehme...
155		Frontend Technologies	16 days	4/16/22 8:00 AM	5/9/22 5:00 PM	Ahmet Kudu;Bengisu Takkin;Burak Yi...
156		Database Technologies	16 days	4/16/22 8:00 AM	5/9/22 5:00 PM	Everyone
157		Mobile Technologies	16 days	4/16/22 8:00 AM	5/9/22 5:00 PM	Arif Akbaba;Kadir Ersoy;Mertcan Özk...
158		Final Project Report	6 days	5/19/22 8:00 AM	5/26/22 5:00 PM	Everyone
159		Implementation	77 days?	9/28/22 8:00 AM	1/12/23 5:00 PM	
160		Backend	77 days?	9/28/22 8:00 AM	1/12/23 5:00 PM	Bilal Aytekin;Hatice ule Erkul;Mehme...
161		Frontend	77 days?	9/28/22 8:00 AM	1/12/23 5:00 PM	Ahmet Kudu;Bengisu Takkin;Burak Yi...
162		Mobile	77 days?	9/28/22 8:00 AM	1/12/23 5:00 PM	Arif Akbaba;Kadir Ersoy;Mertcan Özk...
163		Testing	77 days?	9/28/22 8:00 AM	1/12/23 5:00 PM	Everyone
164		Deployment and Hosting	77 days?	9/28/22 8:00 AM	1/12/23 5:00 PM	Everyone

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M	T	W	T	F	S	S	M	T	W	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F

Dadashov

Bilal Aytekin;Hatice ule Erkul;Mehmet Gökberk Arslan;Muhammet en

Everyone

Everyone

Bilal Aytekin;Hatice ule Erkul;Mehmet Gökberk Arslan;Muhammet en

Bilal Aytekin;Hatice ule Erkul;Mehmet Gökberk Arslan;Muhammet en

Ahmet Kudu;Bengisu Takkin;Burak Ylmaz;Nurlan Dadashov

Everyone

Arif Akbaba;Kadir Ersoy;Mertcan Özkan;Salim Kemal Tirit

Everyone

3 Jul 22	10 Jul 22	17 Jul 22	24 Jul 22	31 Jul 22	7 Aug 22	14 Aug 22	21 Aug 22	28 Aug 22	4 Sep 22
S	S	M	T	W	F	S	S	M	T

A Gantt chart illustrating a project timeline from September 11, 2022, to November 6, 2022. The chart is organized into weekly cycles, with days of the week labeled at the top: Monday (M), Tuesday (T), Wednesday (W), Thursday (F), Friday (S), Saturday (S), and Sunday (M). The timeline is divided into several phases, each represented by a different colored horizontal bar:

- Phase 1 (Black Bar):** Starts on Sep 11 and ends on Sep 18. It is divided into two weeks: Week 1 (Sep 11-17) and Week 2 (Sep 18-24).
- Phase 2 (Red Bars):** Starts on Sep 18 and ends on Oct 2. It is divided into three weeks: Week 1 (Sep 18-24), Week 2 (Oct 1-7), and Week 3 (Oct 8-14).
- Phase 3 (Black Bar):** Starts on Oct 2 and ends on Oct 9. It is divided into two weeks: Week 1 (Oct 2-8) and Week 2 (Oct 9-15).
- Phase 4 (Red Bars):** Starts on Oct 9 and ends on Oct 16. It is divided into two weeks: Week 1 (Oct 9-15) and Week 2 (Oct 16-22).
- Phase 5 (Black Bar):** Starts on Oct 16 and ends on Oct 23. It is divided into two weeks: Week 1 (Oct 16-22) and Week 2 (Oct 23-29).
- Phase 6 (Red Bars):** Starts on Oct 23 and ends on Oct 30. It is divided into two weeks: Week 1 (Oct 23-29) and Week 2 (Oct 30-Nov 5).
- Phase 7 (Black Bar):** Starts on Oct 30 and ends on Nov 6.

A black arrow points to the start of the first red bar (Sep 18), indicating the beginning of Phase 2.

