



CMPE 352

Fundamentals of Software Engineering

SPRING'22 / GROUP 6 - M1 Deliverables

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D2- Requirements: Software Requirement Specification, Scenarios, and Mockups

Requirements

Glossary

- *admin*: Any user who monitors and moderates the content on the app.
- *author*: The user who is the creator of a post.
- *comment section*: The section of a post/comment where the comments on that post/comment are located.
- *label type*: Post-type, field, or content.
- *content labels*: Any medical label that may be relevant to the content of a post and not a field label (i.e. diseases, symptoms), for example, DBpedia or any other ontology.
- *field label*: Labels for medical fields.
- *post-type labels*: Information, experience, advice, question.
- *post preview*: A card containing the title, upvote & comment counts, and brief of a post.
- *registered user*: Any user who created an account.
- *doctor*: Any registered user who has verified that they are a doctor.
- *searchable*: Usernames, content labels, field labels, post type labels, strings, location.
- *suggestion list*: A scrollable dropdown list of searchables.
- *user*: Any type of user

1. Functional Requirements

1.1 User Requirements

1.1.1 Account Management

- **1.1.1.1 Creating an Account**
 - 1.1.1.1.1 Unregistered users shall provide a unique username when creating an account.
 - 1.1.1.1.2 Unregistered users shall provide a password when creating an account.
 - 1.1.1.1.3 Unregistered users shall provide a unique phone number or a unique email address when creating an account.
 - 1.1.1.1.4 Unregistered users shall provide their date of birth when creating an account.
- **1.1.1.2 Adding Information to a Account**
 - 1.1.1.2.1 Registered users shall be able to add an email address to their account if the account was created using only a phone number.
 - 1.1.1.2.2 Registered users shall be able to add a phone number to their account if the account was created using only an email address.
 - 1.1.1.2.3 Registered users shall be able to add their first name to their account.
 - 1.1.1.2.4 Registered users shall be able to add a last name to their account.
 - 1.1.1.2.5 Registered users shall be able to add a profession to their account.
 - 1.1.1.2.6 Registered users shall be able to add a location to their account.
 - 1.1.1.2.7 Registered users shall be able to update their account as a doctor account via doctor verification. (see 1.1.1.7)
- **1.1.1.3 Editing the Information in an Account**
 - 1.1.1.3.1 Registered users shall be able to change the email address in their account.
 - 1.1.1.3.2 Registered users shall be able to change the phone number in their account.
 - 1.1.1.3.3 Registered users shall be able to change the profile picture in their account.
 - 1.1.1.3.4 Registered users shall be able to change the first name in their account.

- 1.1.1.3.5 Registered users shall be able to change the last name in their account.
 - 1.1.1.3.6 Registered users shall be able to change the profession in their account.
 - 1.1.1.3.7 Registered users shall be able to change the location of their account.
 - 1.1.1.3.8 Registered users shall be able to change the password of their account.
 - 1.1.1.3.9 Registered users shall be able to turn off the messaging feature in order not to receive any messages.
 - 1.1.1.3.10 Registered users shall be able to turn off the notifications feature in order not to receive any notifications related to posts.
 - 1.1.1.3.11 Registered users shall be able to turn on the notifications feature in order to receive notifications related to posts.
 - 1.1.1.3.12 Registered users shall be able to turn off the messaging feature in order not to receive messages.
 - 1.1.1.3.13 Registered users shall be able to turn on the messaging feature in order to receive messages.
- **1.1.1.4 Removing Information from an Account**
 - 1.1.1.4.1 Registered users shall be able to remove the email address from their account if there is a phone number in it.
 - 1.1.1.4.2 Registered users shall be able to remove the phone number from their account if there is an email address in it.
 - 1.1.1.4.3 Registered users shall be able to remove the profile picture from their account.
 - 1.1.1.4.4 Registered users shall be able to remove the first name from their account.
 - 1.1.1.4.5 Registered users shall be able to remove the last name from their account.
 - 1.1.1.4.6 Registered users shall be able to remove the profession from their account.
 - 1.1.1.4.7 Registered users shall be able to remove the location from their account.
 - **1.1.1.5 Deleting an Account**
 - 1.1.1.5.1 Registered users shall be able to delete their accounts.
 - 1.1.1.5.2 Admins shall be able to delete any account.
 - 1.1.1.5.3 Users shall confirm their request when deleting an account.

- **1.1.1.6 Logging in/Logging out**
 - 1.1.1.6.1 Registered users shall be able to log in by providing their password with either the username, phone number, or the email of their account.
 - 1.1.1.6.2 Registered users shall not be able to log in after 5 failed attempts due to incorrect passwords.
 - 1.1.1.6.3 Registered users shall be able to stay logged in.
 - 1.1.1.6.4 Registered users shall be able to log out from the application.
- **1.1.1.7 Doctor verification**
 - 1.1.1.7.1 Registered users shall be able to verify that they are doctors via either "diploma tescil no" or "e-devlet bilgi bankasi".
 - 1.1.1.7.2 Admins shall be able to verify that a user who provided the information in 1.1.1.7.1 is a doctor.
 - 1.1.1.7.3 Admins shall determine the area of expertise of a doctor with the information in 1.1.1.7.1.
 - 1.1.1.7.4 Admins shall determine the graduation year of a doctor with the information in 1.1.1.7.1.
 - 1.1.1.7.5 Admins shall determine the graduation place of a doctor with the information in 1.1.1.7.1.

1.1.2 Interactions Between The Users and Forum

- **1.1.2.1 Interactions Between the Users and the Searchbar/Search Results**
 - 1.1.2.1.1 Users shall be able to search for any number of searchables.
 - 1.1.2.1.2 Users shall be able to filter the suggested searchables.
 - 1.1.2.1.3 Users shall be able to sort the search results by time.
 - 1.1.2.1.4 Users shall be able to sort the search results by vote count.
- **1.1.2.2 Interactions Between the Users and the Posts**
 - **1.1.2.2.1 Creating a Post**
 - 1.1.2.2.1.1 Registered users shall provide a title when creating a post.
 - 1.1.2.2.1.2 Registered users shall provide a description when creating a post.
 - 1.1.2.2.1.3 Registered users shall provide a post type label when creating a post.

- 1.1.2.2.1.4 Registered users shall be able to add any number of labels to their posts.
 - 1.1.2.2.1.5 Registered users shall be able to add media to their posts.
 - 1.1.2.2.1.6 Registered users shall be able to mark their posts as NSFW and blur the attached media.
 - 1.1.2.2.1.7 Registered users shall be able to mention other registered users in the description of their post.
- **1.1.2.2.2 Editing a Post**
 - 1.1.2.2.2.1 Registered users shall be able to change their posts' title.
 - 1.1.2.2.2.2 Registered users shall be able to change their posts' descriptions.
 - 1.1.2.2.2.3 Registered users shall be able to change their posts' labels.
 - 1.1.2.2.2.4 Registered users shall be able to remove media from their posts.
 - 1.1.2.2.2.5 Registered users shall be able to add media to their posts.
 - **1.1.2.2.3 Deleting a Post**
 - 1.1.2.2.3.1 Registered users shall be able to delete their posts along with their comments.
 - 1.1.2.2.3.2 Admins shall be able to delete any post along with its comments.
 - 1.1.2.2.3.3 Users who are deleting a post shall confirm their request.
 - **1.1.2.2.4 Viewing a Post**
 - 1.1.2.2.4.1 Users shall be able to view the title of a post.
 - 1.1.2.2.4.2 Users shall be able to view the description of a post.
 - 1.1.2.2.4.3 Users shall be able to view the vote counts of a post.
 - 1.1.2.2.4.4 Users shall be able to view a truncated list of comments.
 - 1.1.2.2.4.5 Users shall be able to view a truncated list of labels.
 - 1.1.2.2.4.6 Users shall be able to expand the list of comments on a post.
 - 1.1.2.2.4.7 Users shall be able to expand the list of labels of a post.
 - **1.1.2.2.5 Voting a Post**

- 1.1.2.2.5.1 Registered users shall be able to upvote posts.
 - 1.1.2.2.5.2 Registered users shall be able to downvote posts.
 - 1.1.2.2.5.3 Registered users shall be able to unvote posts.
- **1.1.2.3 Interactions Between the Users and the Comments**
 - **1.1.2.3.1 Creating a Comment**
 - 1.1.2.3.1.1 Registered users shall be able to comment under a post.
 - 1.1.2.3.1.2 Registered users shall be able to comment under a comment.
 - 1.1.2.3.1.3 Registered users shall be able to add media to their comments.
 - 1.1.2.3.1.4 Registered users shall be able to mark their comments as NSFW and blur the media attached to them.
 - 1.1.2.3.1.5 Registered users shall be able to mention other registered users in their comments.
 - **1.1.2.3.2 Editing a Comment**
 - 1.1.2.3.2.1 Registered users shall be able to edit their comments' description.
 - 1.1.2.3.2.2 Registered users shall be able to add media to their comments.
 - 1.1.2.3.2.3 Registered users shall be able to remove media from their comments.
 - **1.1.2.3.3 Deleting a Comment**
 - 1.1.2.3.3.1 Registered users shall be able to delete their comments along with their comments.
 - 1.1.2.3.3.2 Admins shall be able to delete any comment along with its comments.
 - 1.1.2.3.3.3 Users who delete a comment shall confirm their request.
 - **1.1.2.3.4 Viewing a Comment**
 - 1.1.2.3.4.1 Users shall be able to view the title of a comment.
 - 1.1.2.3.4.2 Users shall be able to view the description of a comment.
 - 1.1.2.3.4.3 Users shall be able to view the vote counts of a comment.
 - 1.1.2.3.4.4 Users shall be able to view a truncated list of comments.

- 1.1.2.3.4.6 Users shall be able to expand the list of comments on a comment.
- **1.1.2.3.5 Voting a Comment**
 - 1.1.2.3.5.1 Registered users shall be able to upvote comments.
 - 1.1.2.3.5.2 Registered users shall be able to downvote comments.
 - 1.1.2.3.5.3 Registered users shall be able to unvote comments.
- **1.1.2.4 Label Management**
 - 1.1.2.4.1 Admins shall be able to add a label to the system.
 - 1.1.2.4.2 Admins shall be able to edit a label.
 - 1.1.2.4.3 Admins shall be able to remove a label.

1.1.3 Interactions Between The Users

- **1.1.3.1 Messaging**
 - 1.1.3.1.1 Registered users shall be able to send text messages to each other.
 - 1.1.3.1.2 Registered users shall be able to send media messages to each other.
 - 1.1.3.1.3 Registered users shall be able to choose if they want to see the message sent to them.
 - 1.1.3.1.4 Registered users shall be able to block another user.
 - 1.1.3.1.5 Registered users shall be able to unblock a user that they blocked.
 - 1.1.3.1.6 Registered users shall not be able to send a message to a user who blocked them.
 - 1.1.3.1.7 Registered users shall not be able to send a message to a user who turned off their messaging feature.
 - 1.1.3.1.8 Registered users shall receive a prompt asking them if they want to receive the message sent if the sender is a user whom they have not messaged with before.
- **1.1.3.2 Reporting**
 - 1.1.3.2.1 Registered users shall be able to report other registered users for spam.
 - 1.1.3.2.2 Registered users shall be able to report other registered users for harassment.
 - 1.1.3.2.3 Registered users shall be able to report posts or comments for misinformation.

- 1.1.3.2.4 Registered users shall be able to report posts or comments for content violating the app rules.
- 1.1.3.2.5 Registered users shall be able to report posts or comments for content mislabeling.
- 1.1.3.2.6 Admins shall be able to list reported posts along with their reason for reporting.

1.1.4 Interactions Between The Users and the Chatbot

- 1.1.4.1 Users shall be able to ask predetermined questions to the chatbot.
- 1.1.4.2 Users shall be able to choose a predetermined answer to the follow-up questions of the chatbot.
- 1.1.4.3 Users shall be able to acquire information from the chatbot depending on their answers to the questions asked by the chatbot.

1.2 System Requirements

1.2.1 Reputation System

- 1.2.1.1 New accounts shall have 0 reputation.
- 1.2.1.2 Upvotes a user's posts and comments get shall increase their account's reputation.
- 1.2.1.3 Downvotes a user's posts and comments get shall decrease their account's reputation.
- 1.2.1.4 Accounts with a certain amount of negative reputation shall be deleted by the system automatically.

1.2.2 Forum

- **1.2.2.1 Labels**
 - 1.2.2.1.1 Labels shall have a unique name.
 - 1.2.2.1.2 Labels shall have a label type.
 - 1.2.2.1.3 Content labels shall have an ontological connection to at least one of the field labels.
 - 1.2.2.1.4 Label types shall have a unique and easily distinguishable color.
- **1.2.2.2 Searchbar**

- **1.2.2.2.1 Suggestion List**
 - 1.2.2.2.1.1 Searchbar shall create a suggestion list, listing all searchables except strings, starting with the character sequence entered into the textbox.
 - 1.2.2.2.1.2 Suggestion list shall filter out searchables as more characters are typed into the textbox.
 - 1.2.2.2.1.3 Suggestion list shall have a row at the top containing filter switches for the names of the searchable classes.
 - 1.2.2.2.1.4 Flipping a switch other than the string switch shall filter out all other types of searchables from the suggestion list.
 - 1.2.2.2.1.5 Flipping the string switch shall add the string typed into the textbox of the search bar as a searchable to the search.
 - 1.2.2.2.1.6 Selecting a searchable from the suggestion list shall add the selected searchable to the search.
- **1.2.2.2.2 Searching**
 - 1.2.2.2.2.1 Search results shall be a list of post previews of the posts having the searchables that the search is done by.
 - 1.2.2.2.2.2 Search results shall be sorted by most upvoted in the last month by default.
- **1.2.2.3 Post Previews**
 - 1.2.2.3.1 Post preview shall act as a hyperlink to the post that it belongs to.

1.2.3 Chatbot

- 1.2.3.1 Chatbot shall have a set of questions that are predetermined in the system that the users can select to ask the chatbot.
- 1.2.3.2 The predetermined questions that the chatbot presents shall include how to use the app.
- 1.2.3.3 The chatbot shall have a set of predetermined follow-up questions that the users can select to get more detailed information about the topic or to ask about another topic.
- 1.2.3.4 Chatbot questions shall be semantically linked to each other to clarify the topic which the user is looking for.
- 1.2.3.5 Chatbot shall give information on the related topic depending on the questions selected by the user.

- 1.2.3.6 The replies generated by the chatbot should contain information about where to find and the functionality of a certain feature of the app.

1.2.4 Home Feed

- 1.2.4.1 Every account shall have a home feed.
- 1.2.4.2 Home feed shall be a list of post previews.
- 1.2.4.3 Post previews shall be listed in an account's HomeFeed in the order of the most upvote in the last 30 days.
- 1.2.4.4 HomeFeed shall consist of 50 post previews, grouped 10 by 10 in pages with indexes 1-5.

1.2.5 Notifications

- 1.2.5.1 When a post is shared, 3 randomly picked doctor-type users from the group of doctors whose expertise matches the content label of the post (see 1.1.1.7.3) and notifications are turned on (see 1.1.1.3.11) should be notified.
- 1.2.5.2 When a notification of a post is clicked by the user, it should take the user to the post.
- 1.2.5.3 When the number of upvotes or downvotes surpasses a certain amount, its author shall be notified.
- 1.2.5.4 When a post gets a comment, its author shall be notified.
- 1.2.5.5 When a user gets a message, the user shall be notified.

2. Non-Functional Requirements

2.1 Security

- 2.1.1 Two-factor authentication should be used for users who try to log in to their accounts.
- 2.1.2 The system shall regularly check for malware.
- 2.1.3 Interactions in the website shall use SSL technology.
- 2.1.4 The system shall use the HTTPS protocol.
- 2.1.5 Users' personal information should be hidden from other members.

2.2 Response

- 2.2.1 A request made to the server should be responded to in no more than 5 seconds.

2.3 Availability

- 2.3.1 The application shall be available as a native website via modern web browsers.
- 2.3.2 The application shall be available as a native mobile application on Android platforms.
- 2.3.3 The application shall be dockerized.
- 2.3.4 The application shall be deployable to a configurable server.
- 2.3.5 The application shall support the English characters.

2.4 Reliability

- 2.4.1 The system shall always run if not intentionally shut down.
- 2.4.2 The application shall be portable and have a dedicated server.
- 2.4.3 The server shall scale when needed.

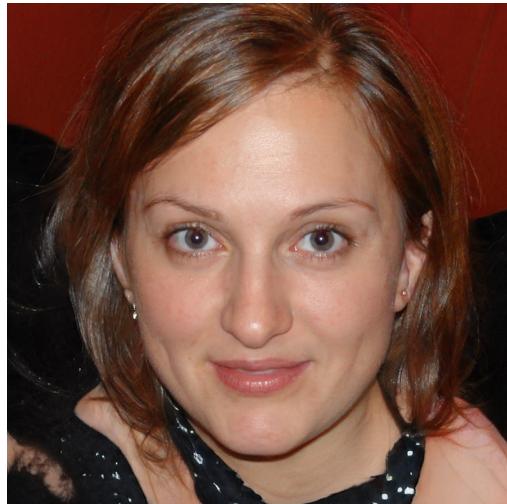
2.5 Privacy

- 2.5.1 The system shall store the data securely.
- 2.5.2 The system shall provide a privacy policy to the users beforehand to inform what kind of data will be requested, how it will be stored, and with whom it will be shared.

Scenarios - Mockups

Scenario #1: Sharing a Post

Melisa Dönmez



Persona

- Age: 32
- Job: Accountant
- Interest: sketching , solving sudoku, dancing

Story

- She hates spending a lot of time in traffic. That's why, she bought a new model motorcycle, and she prefers using it over her old car. While driving to work, she had an unlucky traffic accident, and she broke her nose which caused permanent structural damage. She was feeling insecure about her look and looked for a reliable and affordable solution, which caused her to choose plastic surgery.

Goals

- She felt like sharing her overall experience for informing other people who are contemplating having a similar surgery.

Preconditions

- Melisa is a registered user.
- She uses this website time to time and while searching for her own condition, she was not able to come across a similar situation.
- She logged in and the website is open in her browser.

Actions

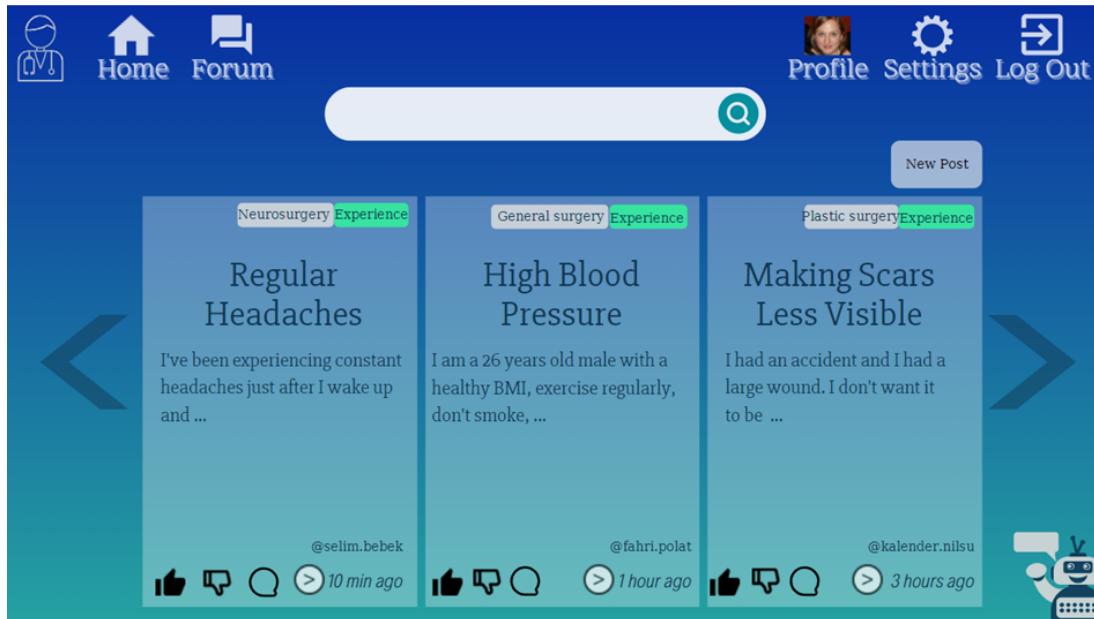
1. She is on the Home page.
2. She clicks the “New Post” button. Post creation page opens.
3. She enters the title, fills the body part, and adds an image of her before and after plastic surgery.
4. She selects the related labels to make post be easily findable. Then, she clicks the “Post” button.
5. The post appears in Home page. She logs out.

Acceptance Criteria

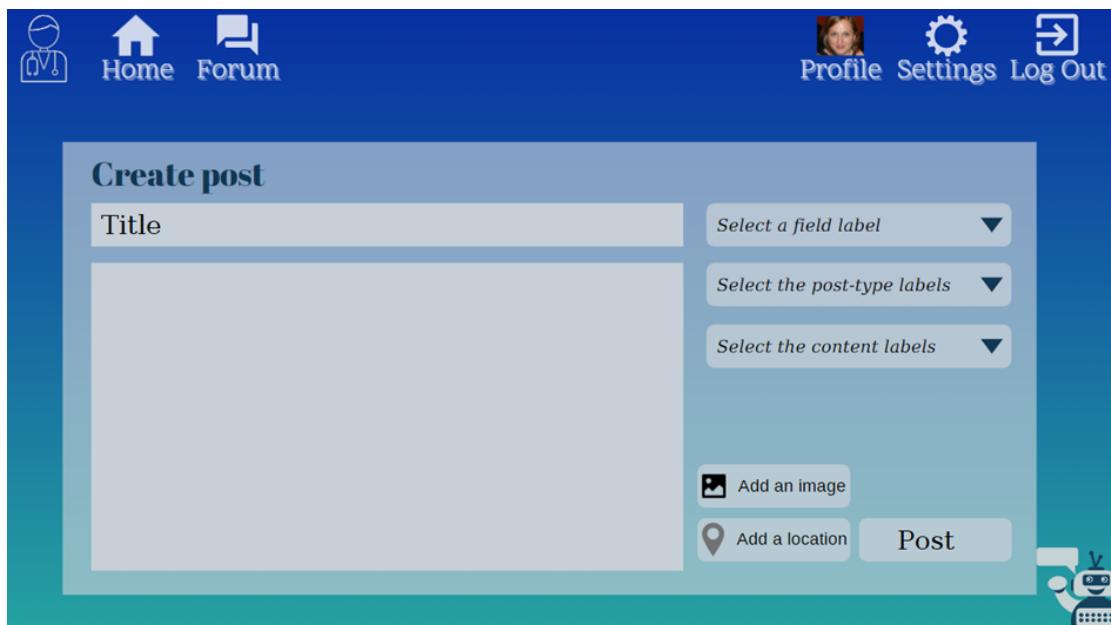
- 1.1.1.6.3 Registered users shall be able to stay logged in.
- 1.1.2.2.1.1 Registered users shall provide a title when creating a post.
- 1.1.2.2.1.2 Registered users shall provide a description when creating a post.
- 1.1.2.2.1.3 Registered users shall provide a post type label when creating a post.
- 1.1.2.2.1.4 Registered users shall be able to add any number of labels to their posts.
- 1.1.2.2.1.5 Registered users shall be able to add media to their posts.
- 1.2.2.1.1 Labels shall have a unique name.
- 1.2.2.1.2 Labels shall have a label type.
- 1.2.2.3.1 Post preview shall act as a hyperlink to the post that it belongs to.
- 1.2.4.1 Every account shall have a home feed.
- 1.2.4.2 Home feed shall be a list of post previews.
- 2.3.1 The application shall be available as a native website via modern web browsers.

Mockup #1

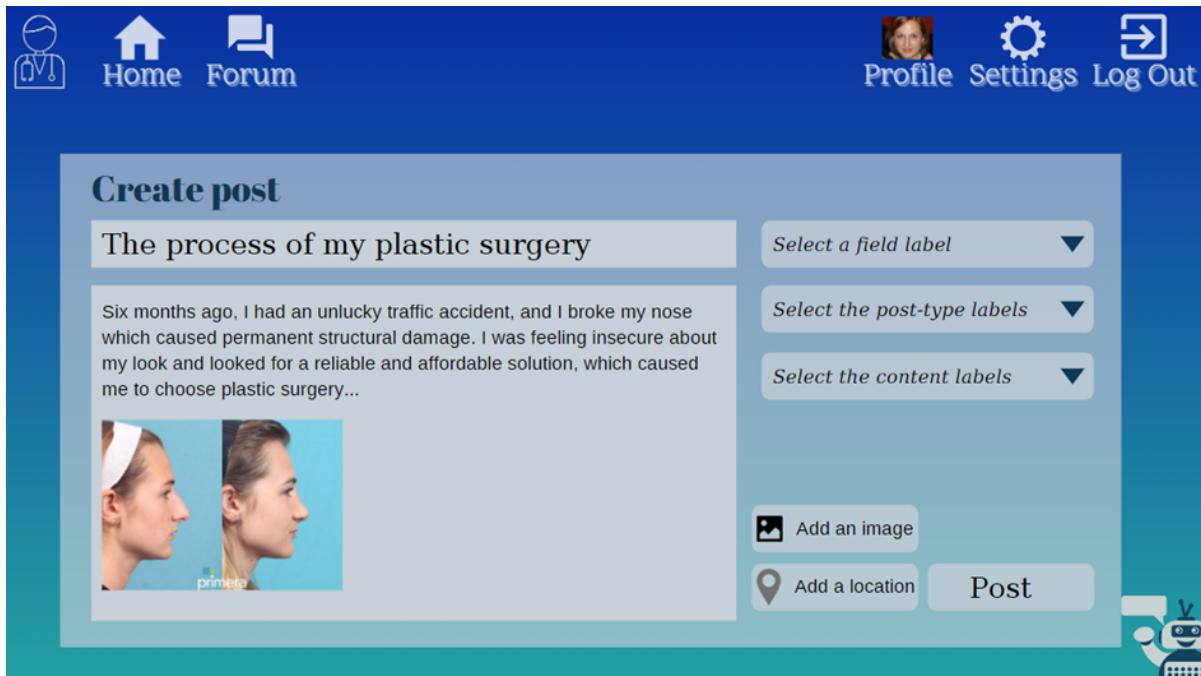
1. She already logged in and the website is open in her browser.



2. She clicks the "New Post" button and post creation page opens.

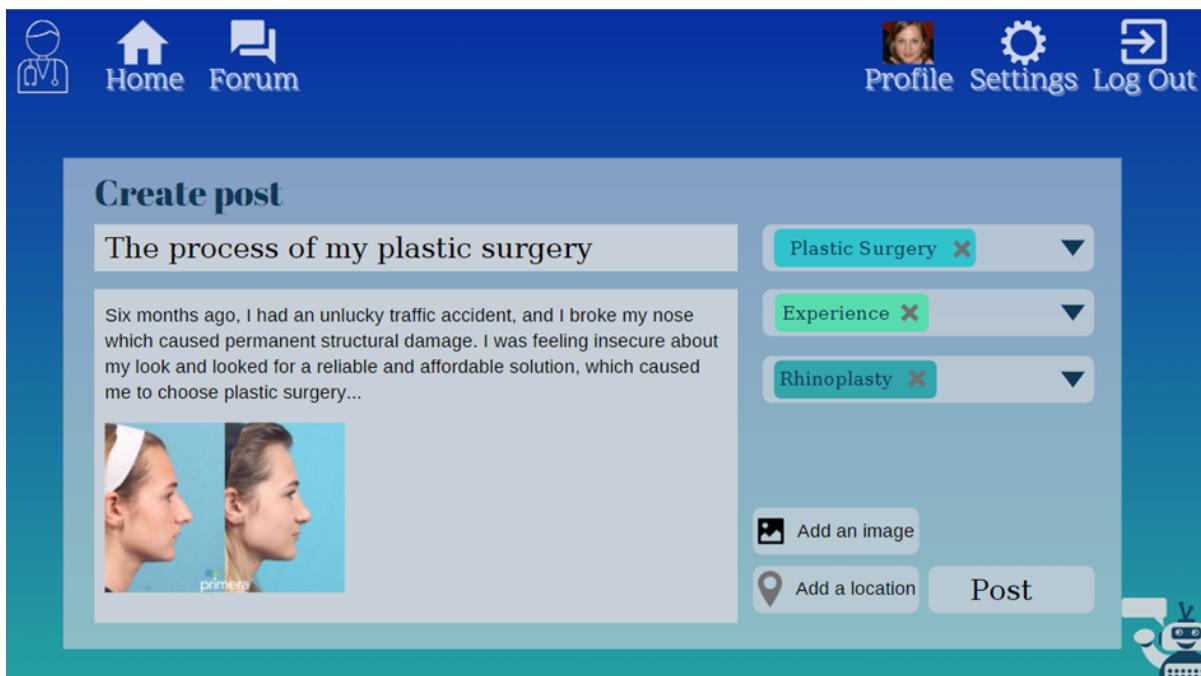


3. She enters the title, fills the body part, and adds an image of her before and after plastic surgery.



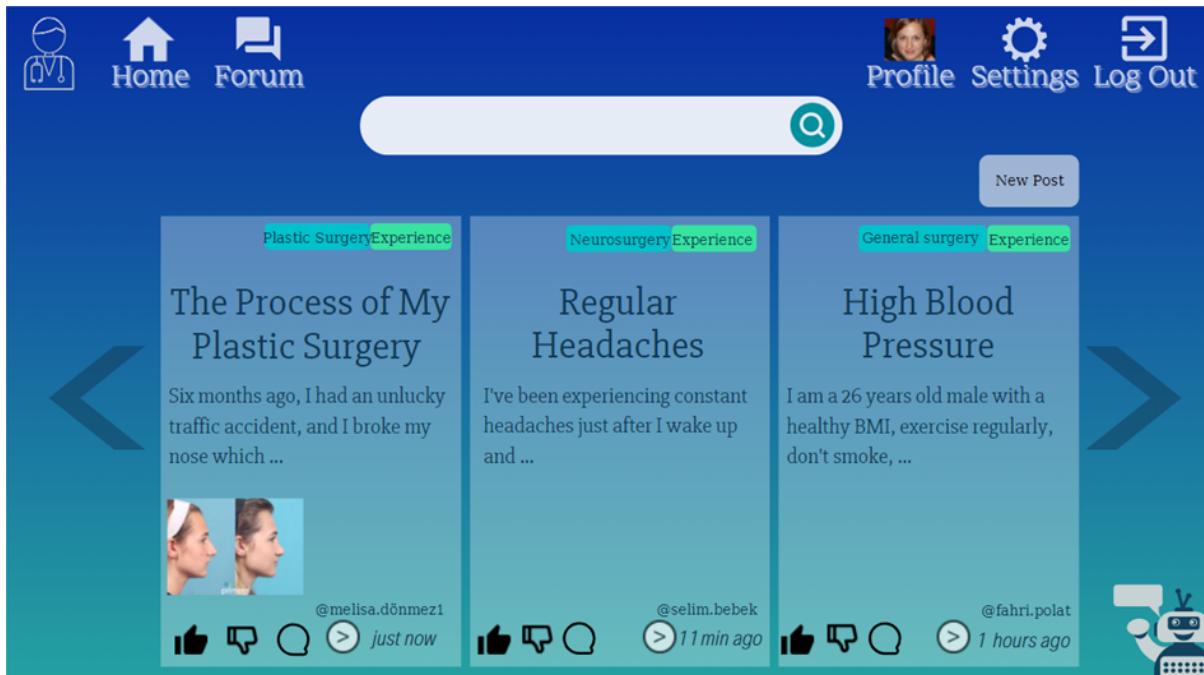
The screenshot shows the 'Create post' interface. At the top left are icons for Home and Forum. At the top right are Profile, Settings, and Log Out. The main area has a title 'The process of my plastic surgery'. Below it is a text input: 'Six months ago, I had an unlucky traffic accident, and I broke my nose which caused permanent structural damage. I was feeling insecure about my look and looked for a reliable and affordable solution, which caused me to choose plastic surgery...'. To the right are three dropdown menus: 'Select a field label', 'Select the post-type labels', and 'Select the content labels'. Below these are buttons for 'Add an image' (with a camera icon), 'Add a location' (with a location pin icon), and a 'Post' button. On the far right is a small robot icon. Two profile pictures are shown below the text input.

4. She selects the related labels to make post be easily findable. Then, she clicks the "Post" button.



This screenshot shows the same 'Create post' interface as above, but with three labels selected in the dropdown menus: 'Plastic Surgery', 'Experience', and 'Rhinoplasty'. The other interface elements are identical to the first screenshot.

5. The post appears in Home page.



Scenario #2: Using Chatbot

Gizem Öztürk



Persona

- Age: 19
- Job: Arts Student
- Interests: Gardening, Photography, Boxing
- Province: Izmir / Turkey

Story

- She loves the nature and taking pictures. She has had saved enough for an abroad trip and recently been to Japan and took some awesome shots. While returning home she thought it would be great to plant some Sakura trees ,that she admired most, to her garden so she brought some seeds. After 10 weeks the seeds sprouted and she was very excited about it. But unfortunately she felt itchy on her hands. She wanted to find out if the reason was the seedlings and if she was allergic to sakura.

Goals

- She wants to get a quick response from the app therefore uses the Chatbot feature.
- She wants to find out if there were any prior shared experiences on the platform.

Preconditions

- Gizem is a registered user.
- She is logged in to the website.
- She is currently at the Home Page.
- She knows where the Chatbot is placed but she had never used it before.

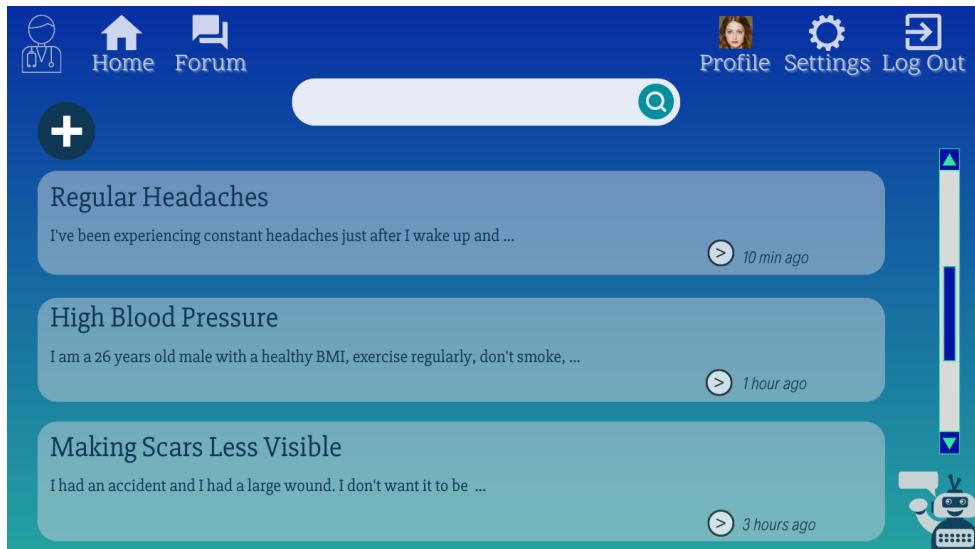
Acceptance Criteria

- 1.1.1.6.1 Registered users shall be able to log in by providing their password with either the username, phone number, or the email of their account.
- 1.1.1.6.4 Registered users shall be able to log out from the application.
- 1.1.2.1.1 Users shall be able to search for any number searchables.
- 1.1.2.2.4 Viewing a Post (with all subrequirements).
- 1.1.2.3.4 Viewing a Comment (with all subrequirements).
- 1.1.4.1 Users shall be able to ask predetermined questions to the chatbot.
- 1.1.4.2 Users shall be able to choose a predetermined answer to the follow-up questions of the chatbot.
- 1.1.4.3 Users shall be able to acquire information from the chatbot depending on their answers to the questions asked by the chatbot.
- 1.2.2.3.1 Post preview shall act as a hyperlink to the post it belongs to.
- 1.2.3.1 Chatbot shall have a set of questions that are predetermined in the system that the users can select to ask the chatbot.
- 1.2.3.2 The predetermined questions that the chatbot presents should be about how to use the app.
- 1.2.3.3 The chatbot shall have a set of predetermined follow-up questions that the users can select to get more detailed information about the topic or to ask about another topic.
- 1.2.3.4 Chatbot questions are semantically linked to each other in order to clarify the topic which the user is looking for.
- 1.2.3.5 Chatbot shall give information on the related topic depending on the questions selected by the user.
- 1.2.3.6 The information presented by the chatbot should contain information about the location or the functionality of a certain feature of the app.

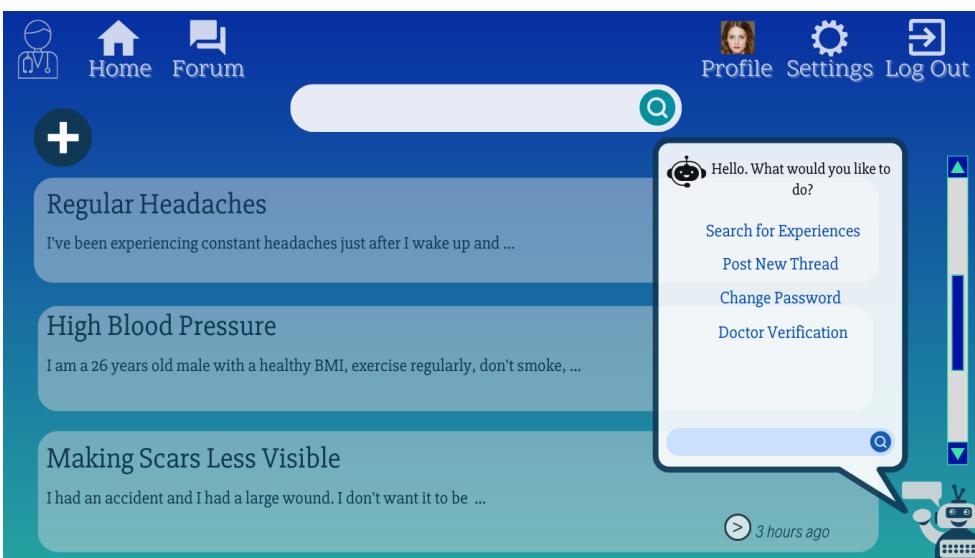
- 1.2.4 Home Feed (with all subrequirements).
- 2.3.1 The application shall be available as a native website via modern web browsers.
- 2.3.5 The application shall support the English characters.

Mockup #2

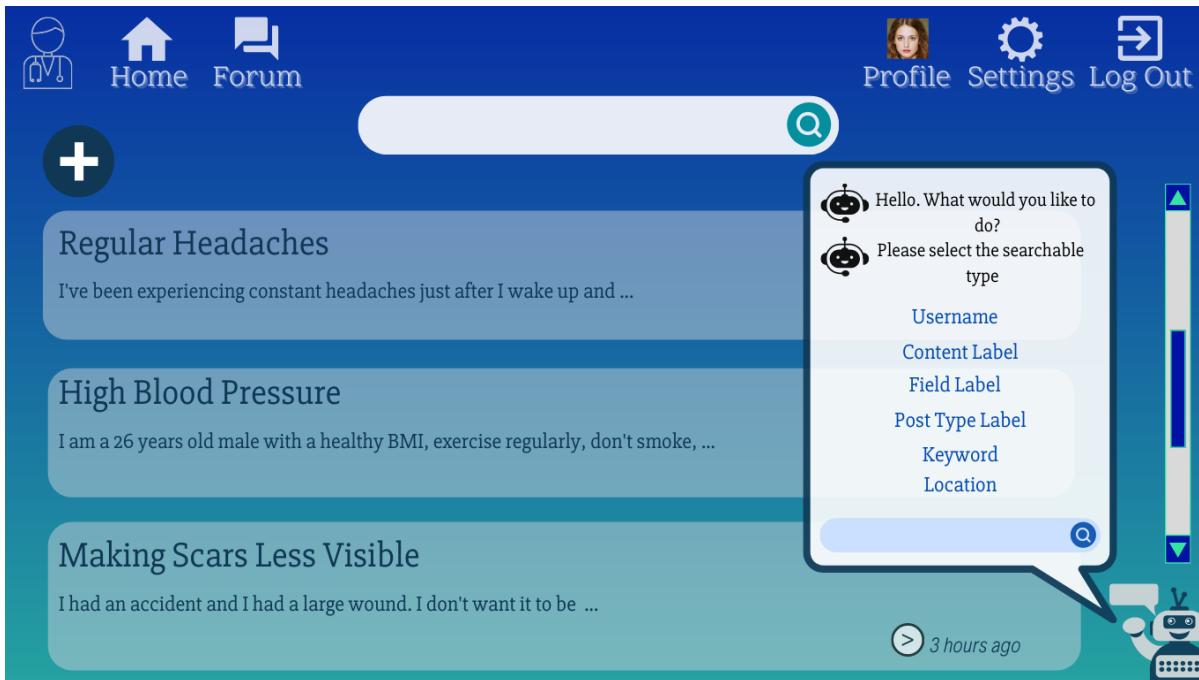
1. She clicks on the "Chatbot".



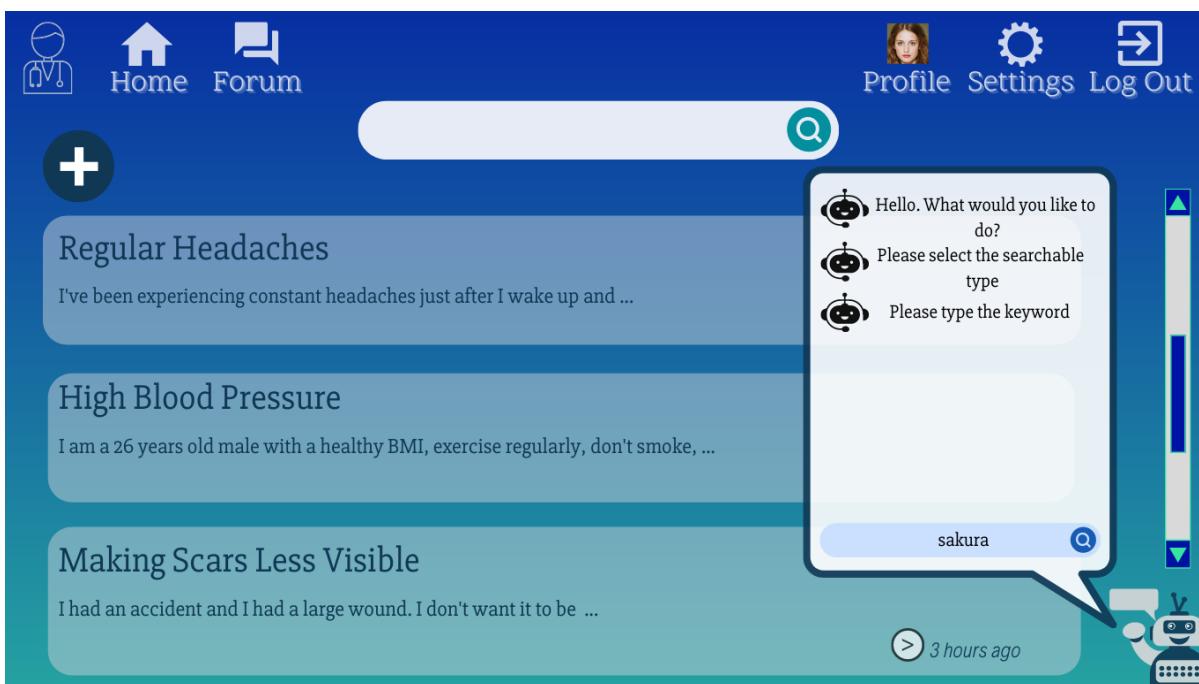
2. She selects "Search for Experiences" on the prompt.



3. She selects "Keyword" on the prompt.



4. She types "sakura" as a keyword in Chatbot.



5. Chatbot redirects her to search page with "sakura" related posts.

The screenshot shows a search interface with a blue header. On the left are icons for profile, home, and forum. On the right are icons for profile, settings, and log out. The search bar contains the word "sakura". Below the search bar is a large blue button with a white plus sign. The main content area displays three search results in a card format:

- My nose has been running a lot since our holiday...**
My husband made me a surprise for our 6th year anniversary and took me to Japan. Our hotel was very lovely, there were lots of sakura trees and a beautiful lake. We spent 4 days in there and when we are back to the home... (3 days ago)
- Am I allergic to cherry blossoms?**
A couple days ago my friend took me to Brooklyn Botanic Garden to see the cherry blossoms (sakura tree) and many other trees and ever since I feel itchy. I spent the most of the time enjoying the sights of cherry blossoms... (10 months ago)
- Can my dog be poisoned??**
...This morning the weather was sunny and I left her to the garden so she can play around. When I returned home some plants were destroyed like roses, the flowers in our sakura tree, camomiles... (3 years ago)

A vertical scroll bar is visible on the right side of the content area. A small robot icon is located at the bottom right.

6. She reads 2 experiences shared on the platform.

The screenshot shows a search interface with a blue header. On the left are icons for profile, home, and forum. On the right are icons for profile, settings, and log out. The search bar contains the word "sakura". Below the search bar is a large blue button with a white plus sign. The main content area displays two search results in a card format:

- My nose has been running a lot since our holiday and I don't know why**
My husband gave me a surprise for our 6th year anniversary and took me to Japan. Our hotel was charming, there were lots of sakura trees and a beautiful lake. We spent 4 days there and when we were back home, I was feeling kinda sick. At first, I thought I have flu but I didn't get well even 5 days passed. I don't know what the actual reason is but I think that it is related to the vacation. Is there someone who experienced such a thing? Is it serious? I don't think so but it is very annoying for me. Pls help. anastasiatakeda (3 days ago)
- I had a friend of mine who experienced a similar issue.**
His nose was running like a tap. After some time he sick of this situation and went to the doctor. The doctor said that he might have an allergy and made some tests but nothing came out. He got well after he broke up with his girlfriend. It turned out that the girlfriend was placing cherry blossoms to his home because she thinks that it defends the "evil energy" and doctor didn't make a test for it because it wasn't one of the common plants in the area. Anyways, you might have allergy to the cherry blossoms, go get a test. jessica16 (2 days ago)

A vertical scroll bar is visible on the right side of the content area. A small robot icon is located at the bottom right.

Home Forum

sakura

Profile Settings Log Out

Am I allergic to cherry blossoms?

A couple days ago my friend took me to Brooklyn Botanic Garden to see the cherry blossoms(sakura tree) and many other trees and ever since I feel itchy. Especially my hands. I spent the most of the time enyoing the sights of cherry blossoms. I have pollen allergy but usually it is not as itchy as my current situation. Is there any one experienced a similar thing? Is it possible for me to have an allergy to cherry blossoms? Thank you in advance.

talyastefannn 10 months ago

For us to make clearer comments about your situation, you need to specify this a little bit more. Please tell me when did this itch started after your visit to botanic garden and also tell me if you have any additional problems with your body such as constantly sneezing, watery eyes etc. But until this day I have not seen a case where a people have pollen allergy which is stronger in the case of cherry blossoms.

Dr. Kristi ✓ 10 months ago

7. She decides to see a doctor for treatment and logs out.

Home Forum

Join Log In

Regular Headaches

I've been experiencing constant headaches just after I wake up and ...

> 10 min ago

High Blood Pressure

I am a 26 years old male with a healthy BMI, exercise regularly, don't smoke, ...

> 1 hour ago

Making Scars Less Visible

I had an accident and I had a large wound. I don't want it to be ...

> 3 hours ago

Scenario #3: Reviewing a Post on the Forum

John Sucuksever



Persona

- Age: 45
- Job: Obstetrician
- Interests: Biking, Hiking, Wristwatches
- Province: Wisconsin, USA

Story

- John gets a notification of a post from a woman who gave birth to her first child 3 months ago. She wants to lose her extra pounds with a diet she found on the web, but she is concerned about how it would affect her breast-feeding. John wants to share his medical advice, also getting his friend Endocrinologist Ali's opinion.

Goals

- He wants to help a concerned mother.
- He wants to become a high ranked doctor in the forum.

Preconditions

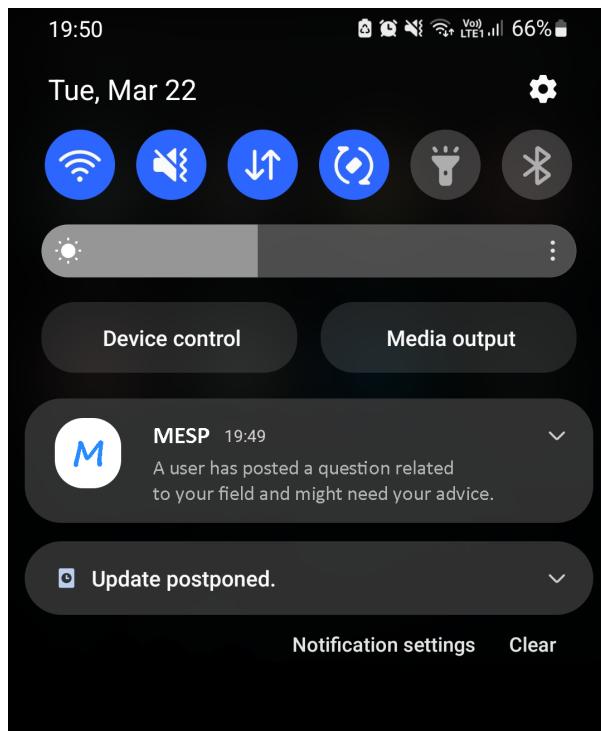
- John is a doctor-type user on the platform.
- John is logged in to his account on his phone.
- John's mobile notifications are turned on.
- There is a post about which John got a notification.
- Ali is a doctor-type user with nickname: DrAliDiyarbakirli

Actions

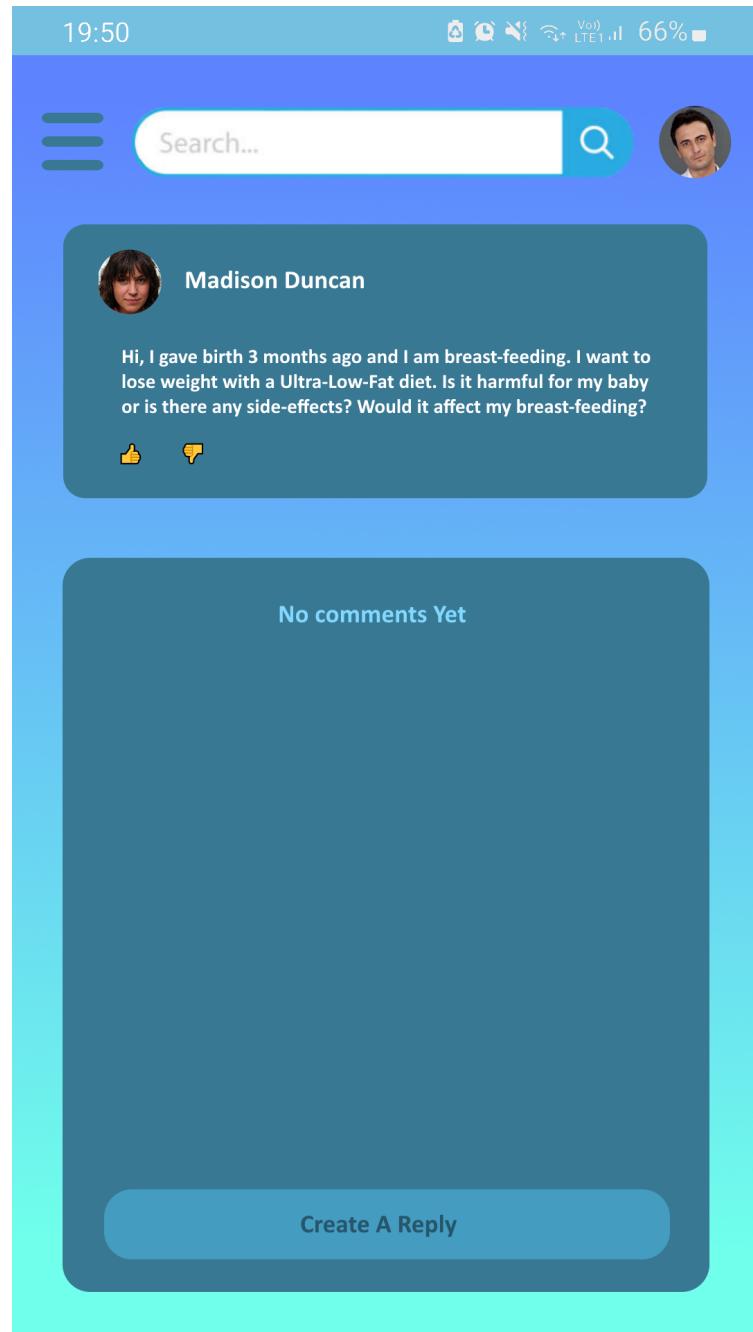
1. John clicks on the notification
2. He comes across the relevant post
3. He clicks to the part where he can write his comment.
4. He writes his advice and mentions a colleague.
5. He clicks the "Reply" button.
6. 2 days later he gained the "10th upvote" batch after his comment getting 10 upvotes.

Mockup #3

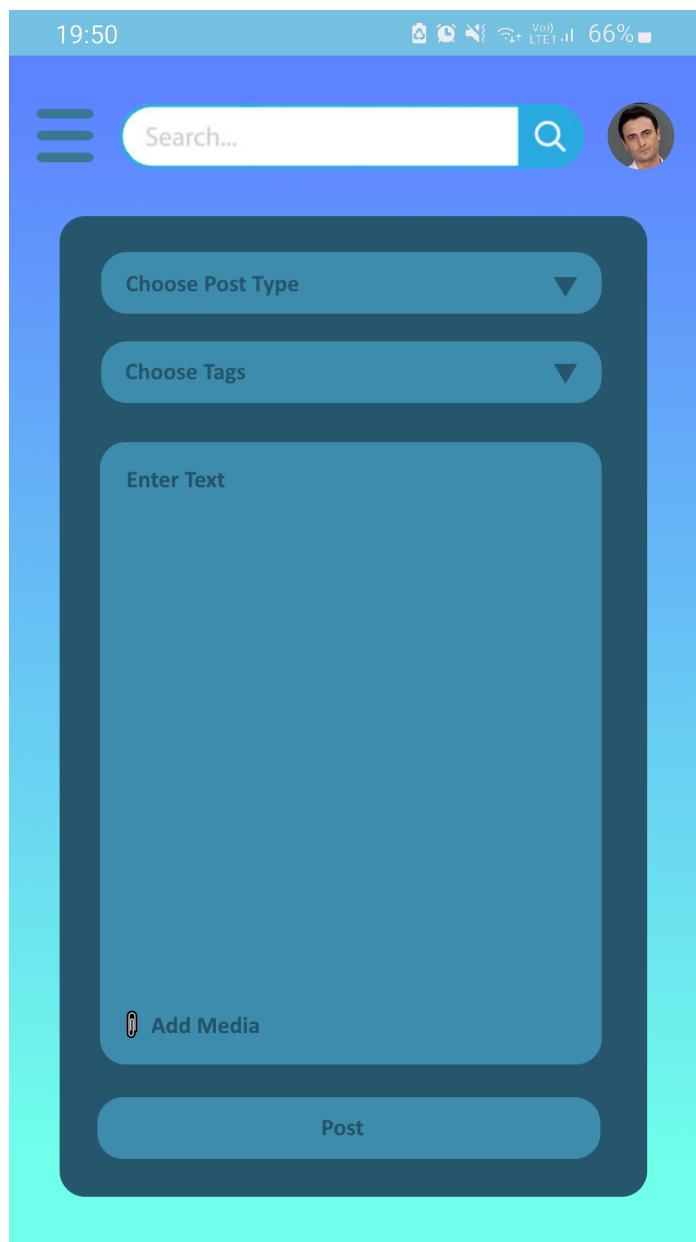
1. John receives a notification.



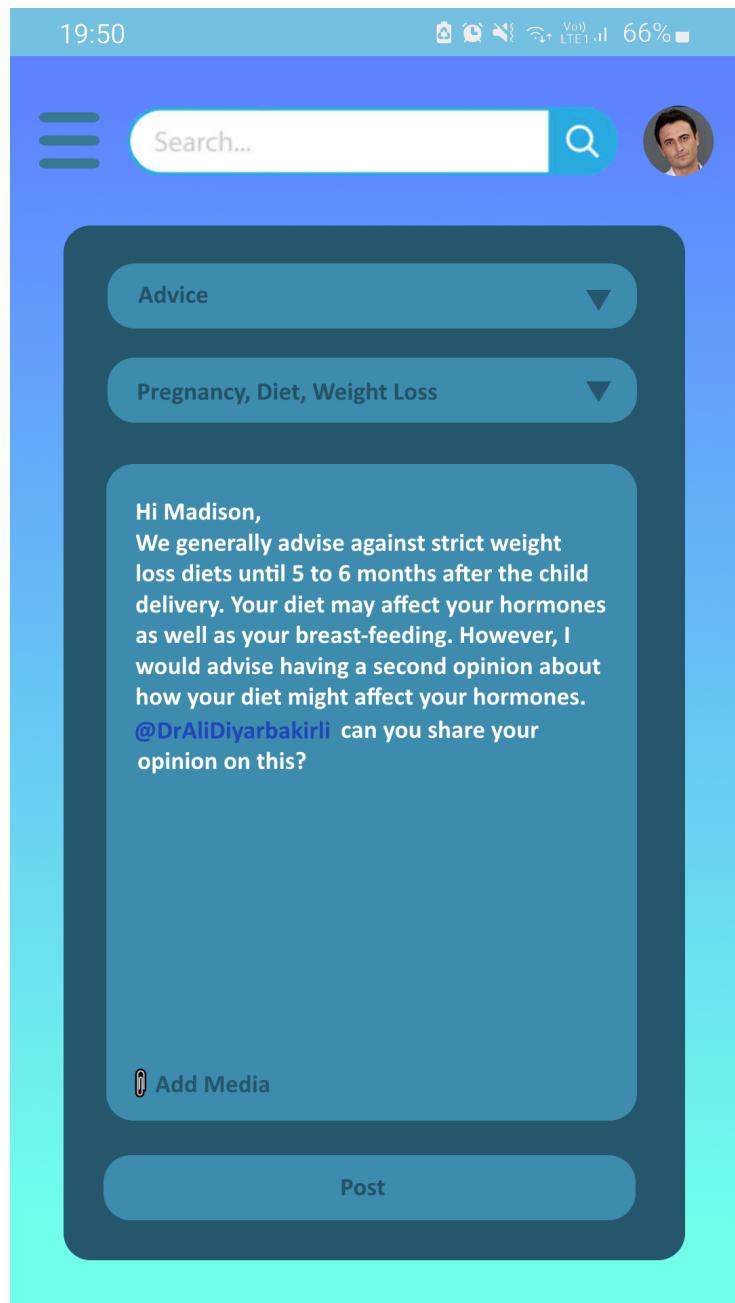
2. He taps the notification and he sees the post.



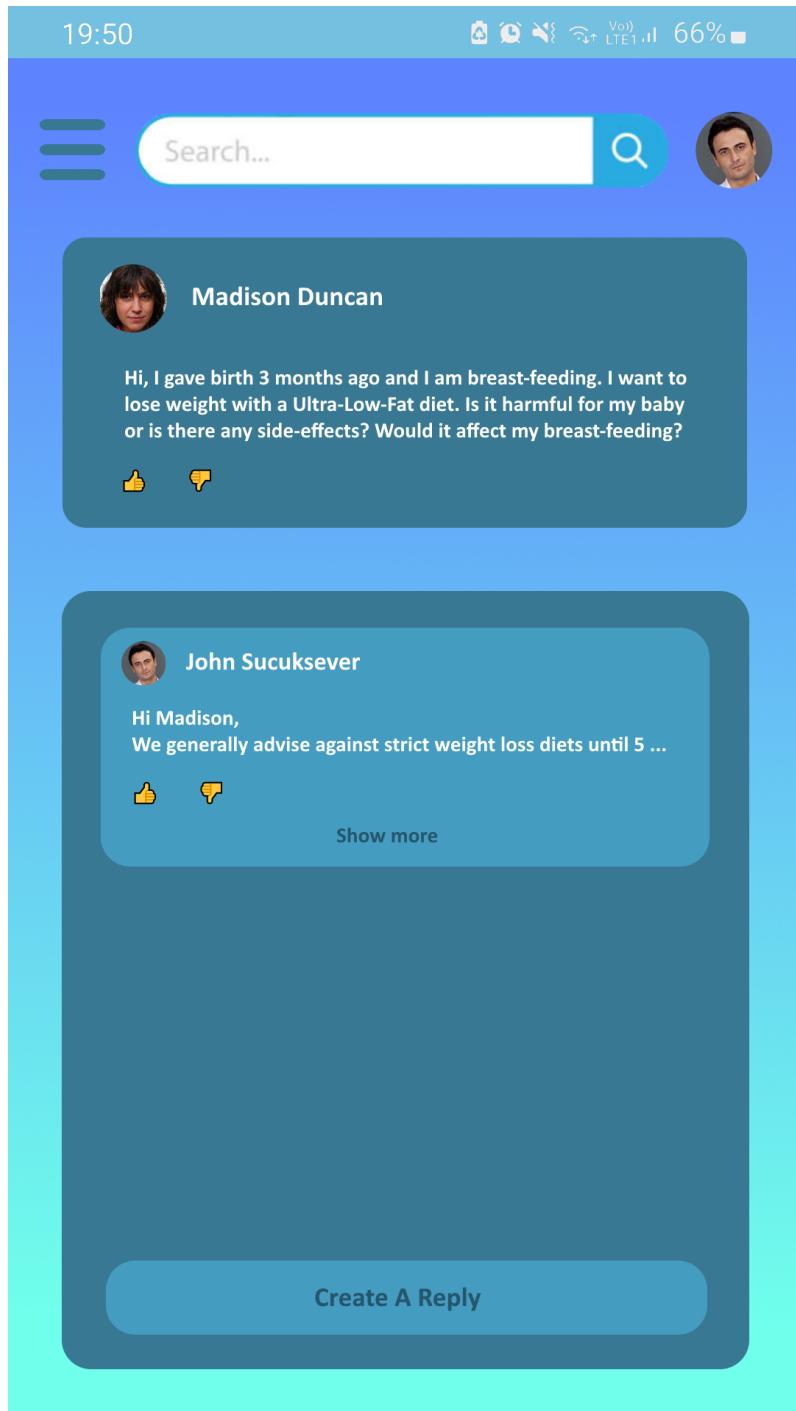
3. He taps the "Create a Reply" button.



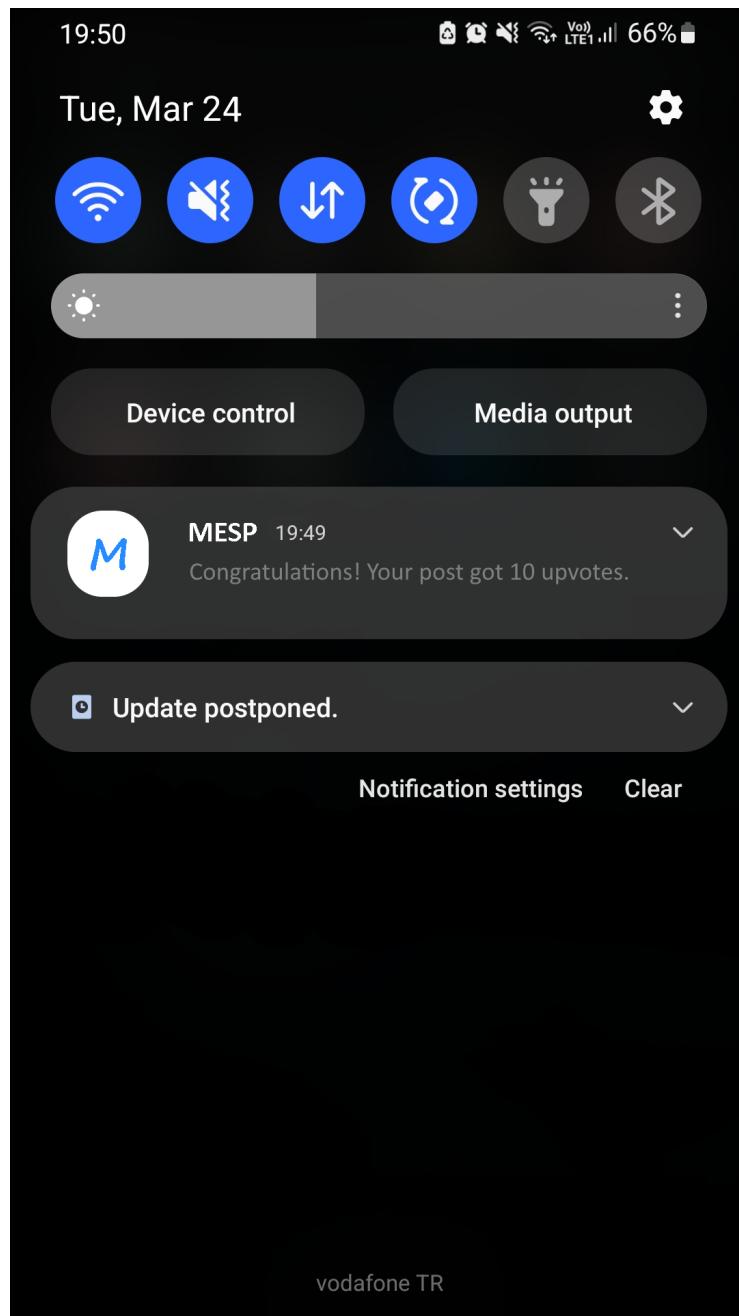
4. He writes his response.



5. He taps "Post" and returns to the original post.

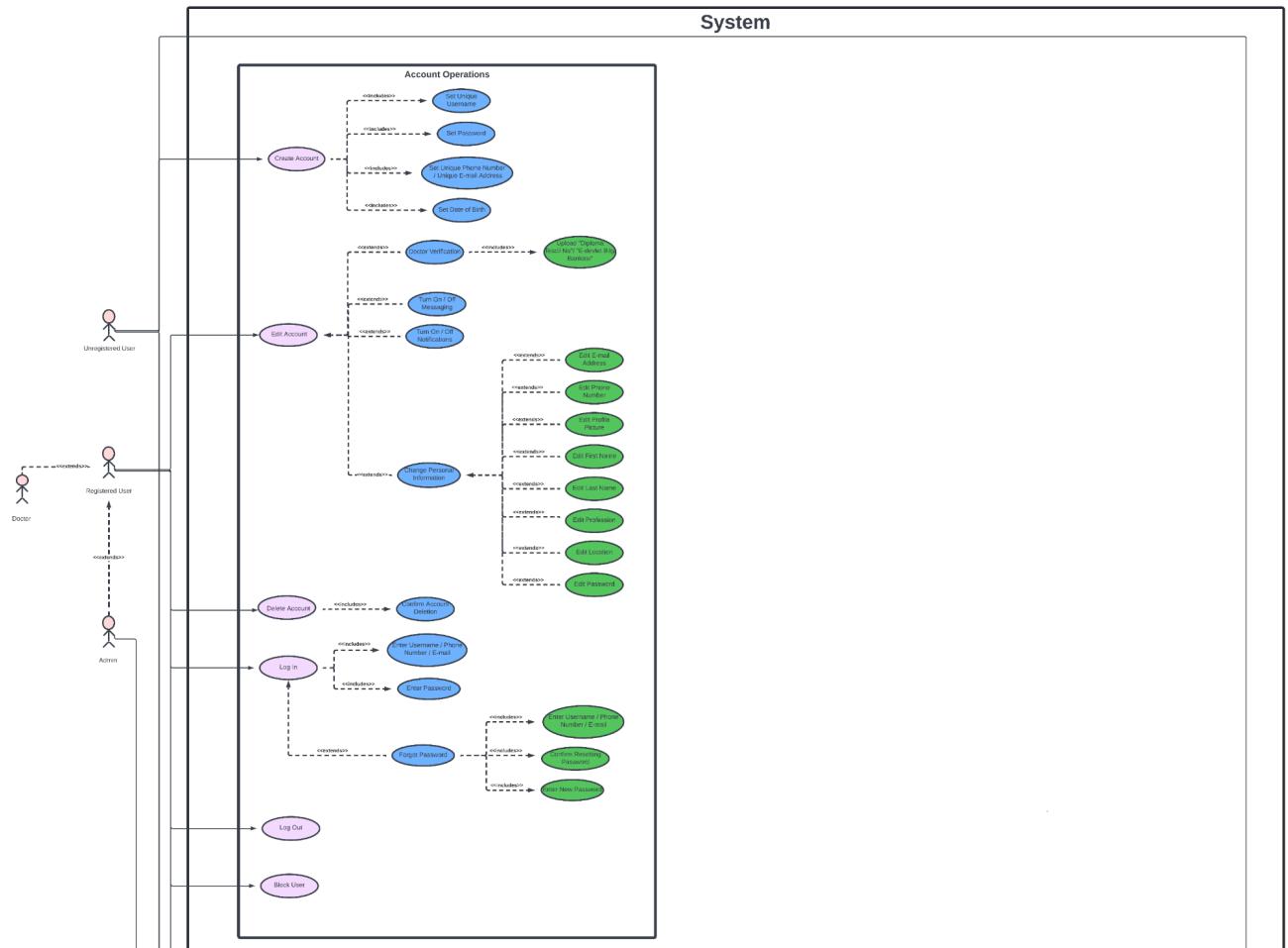


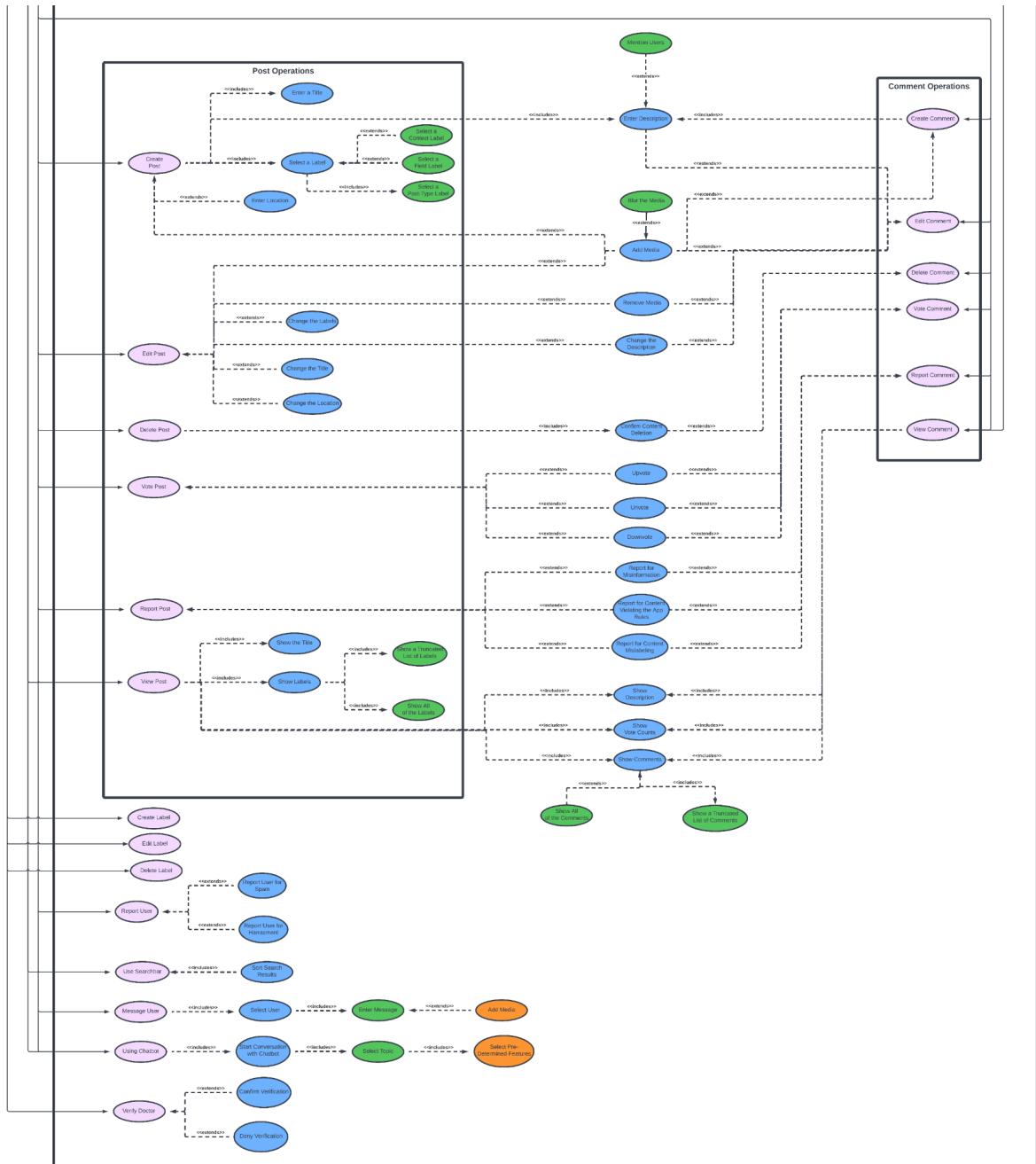
6. He receives a notification about his response.



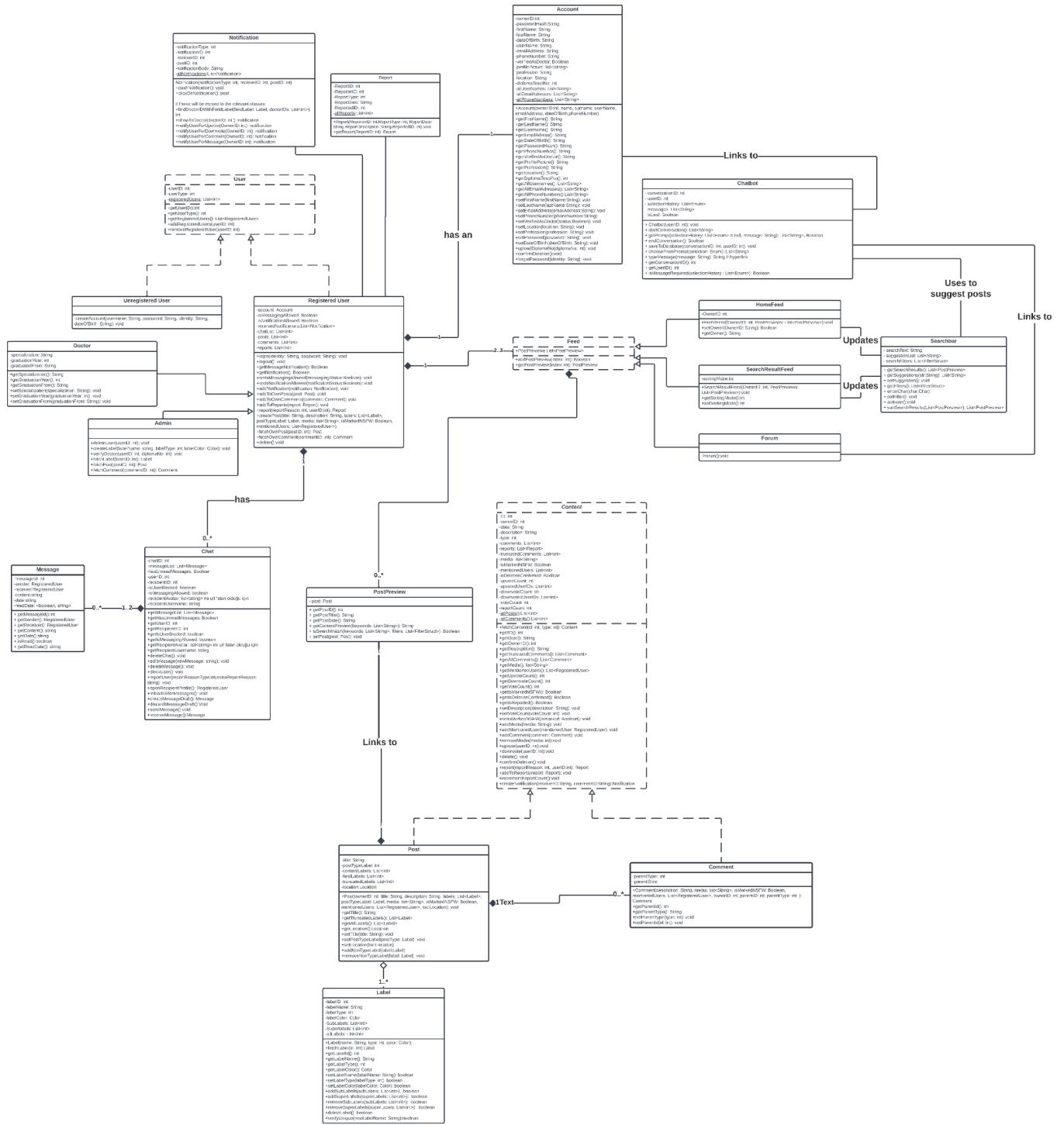
D3- Software design documents in UML: use case, class, and sequence diagrams

Use Case Diagram



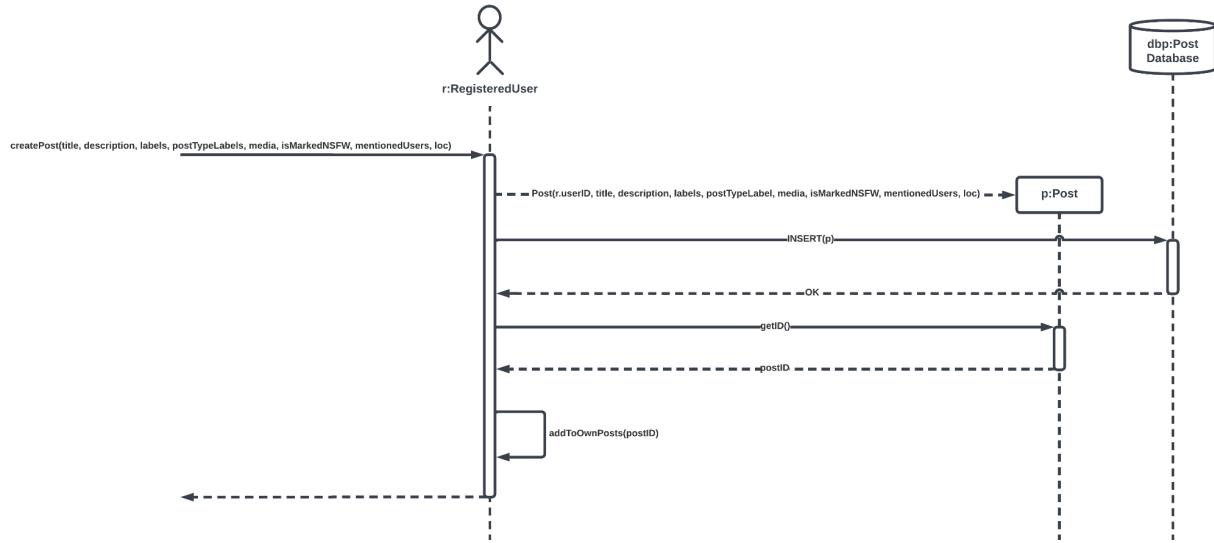


Class Diagram

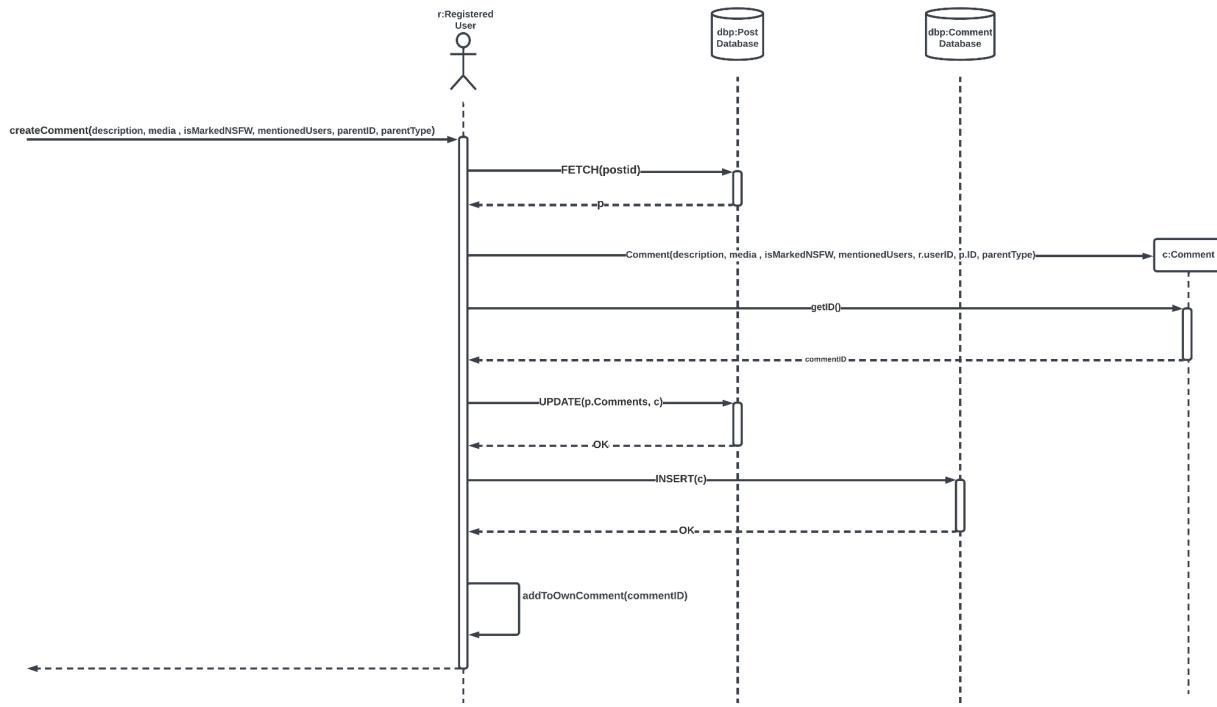


Sequence Diagrams

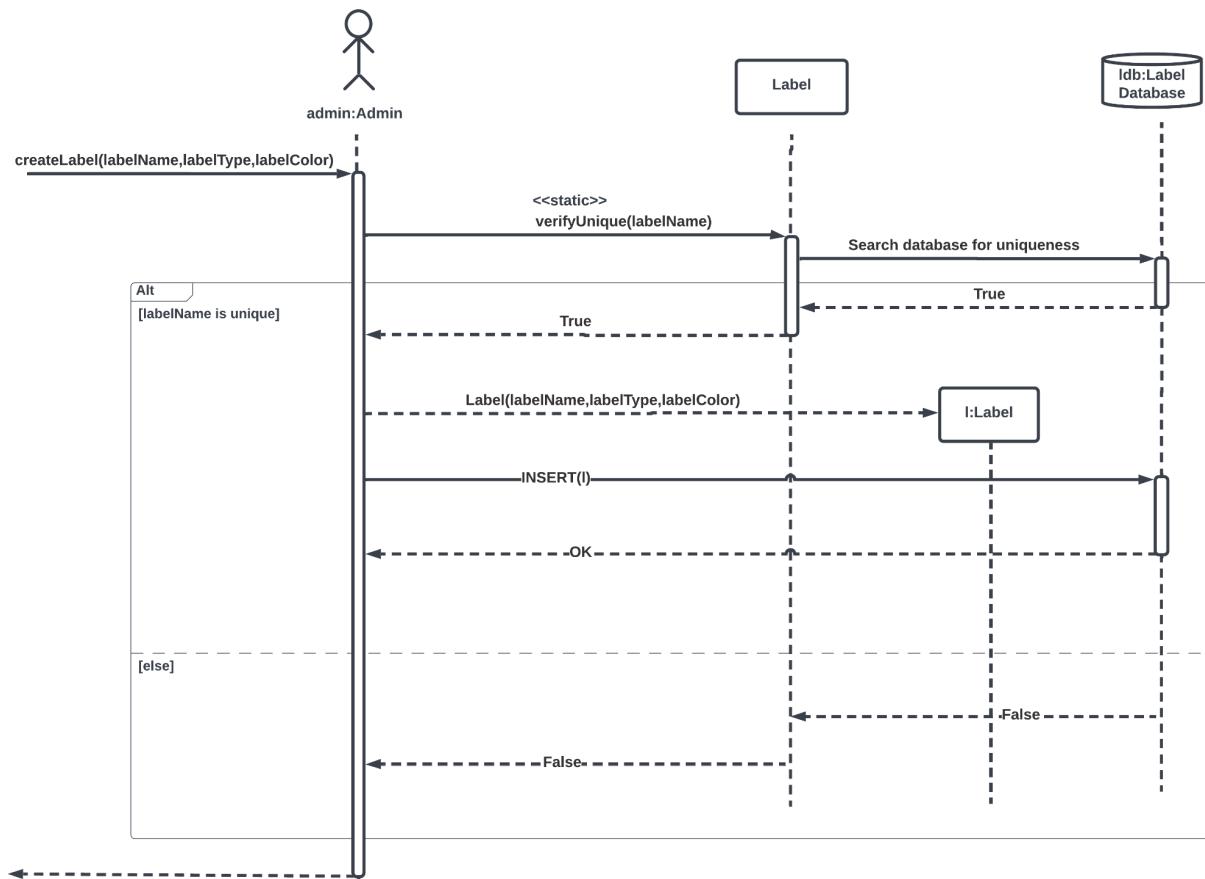
Creating a Post



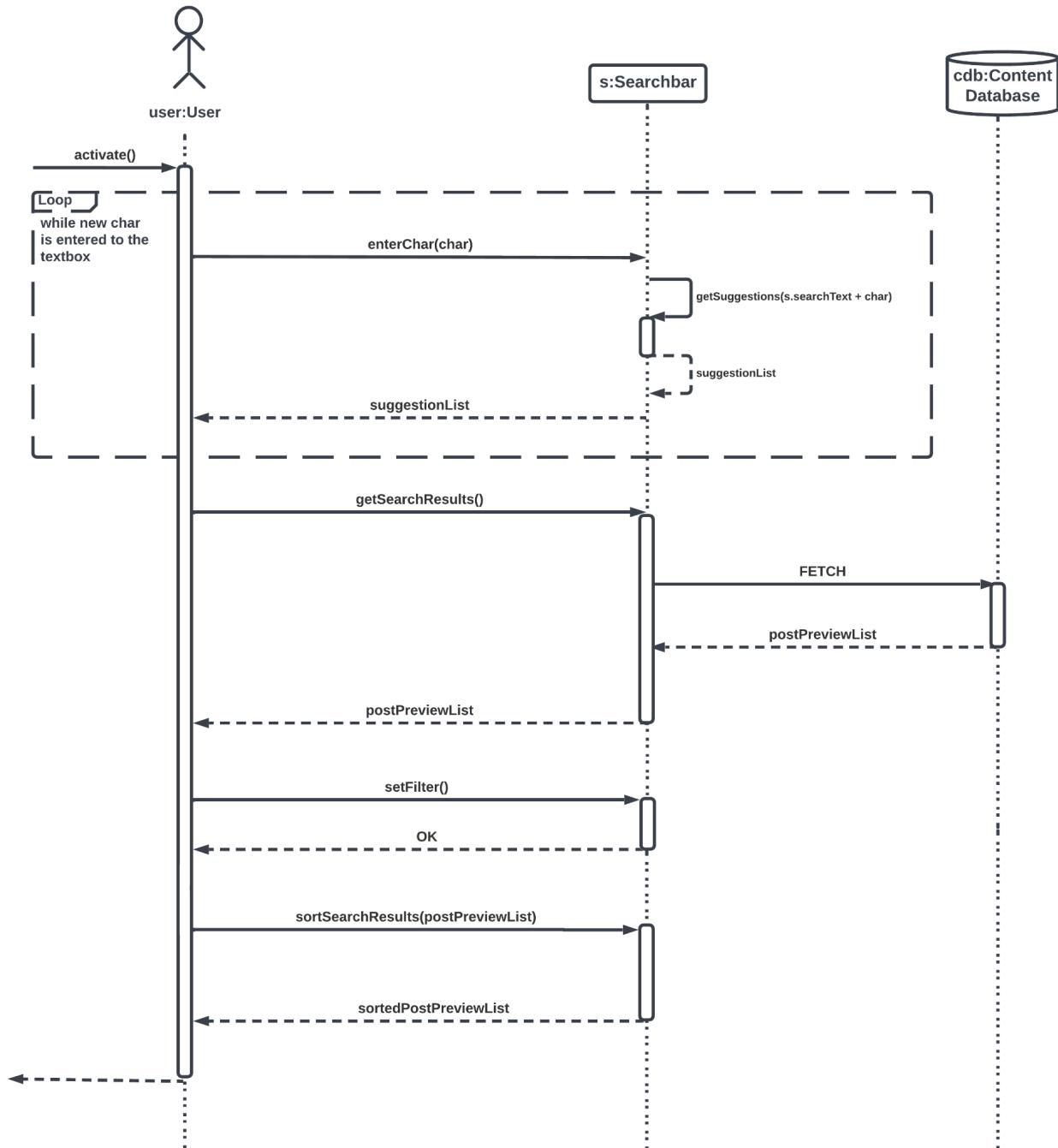
Creating a Comment



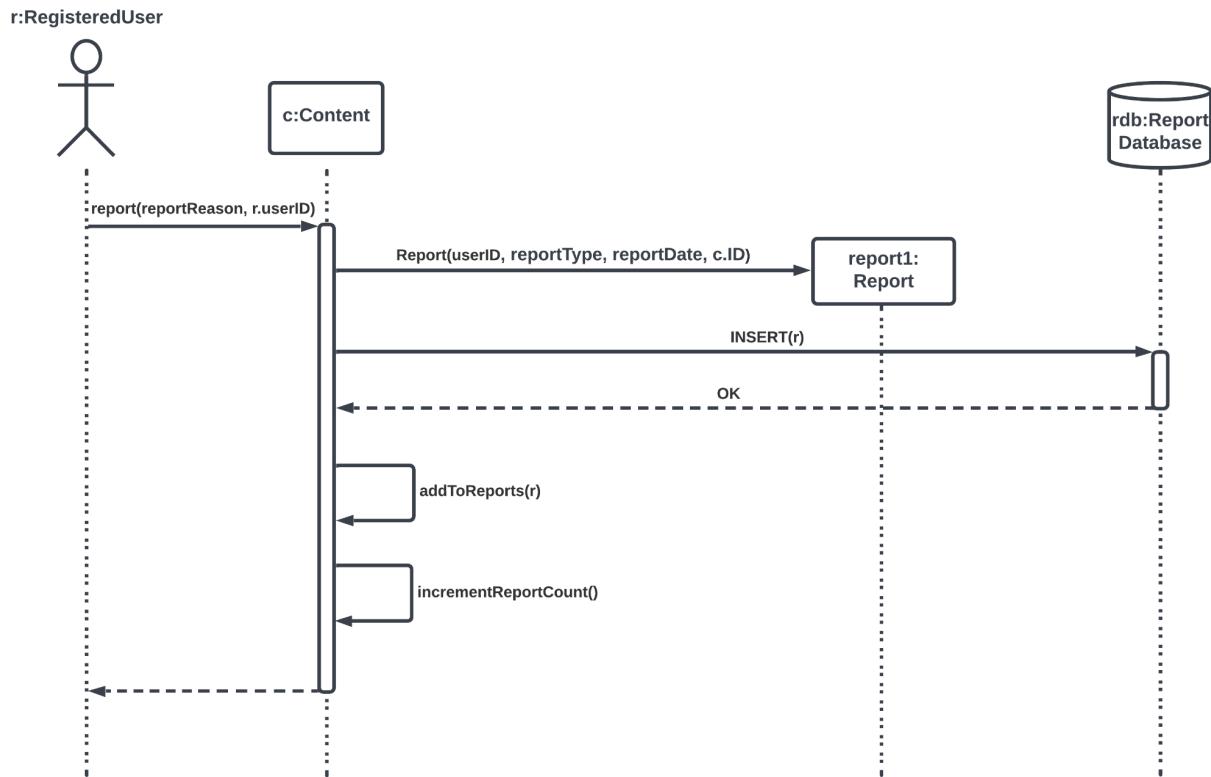
Creating a Label



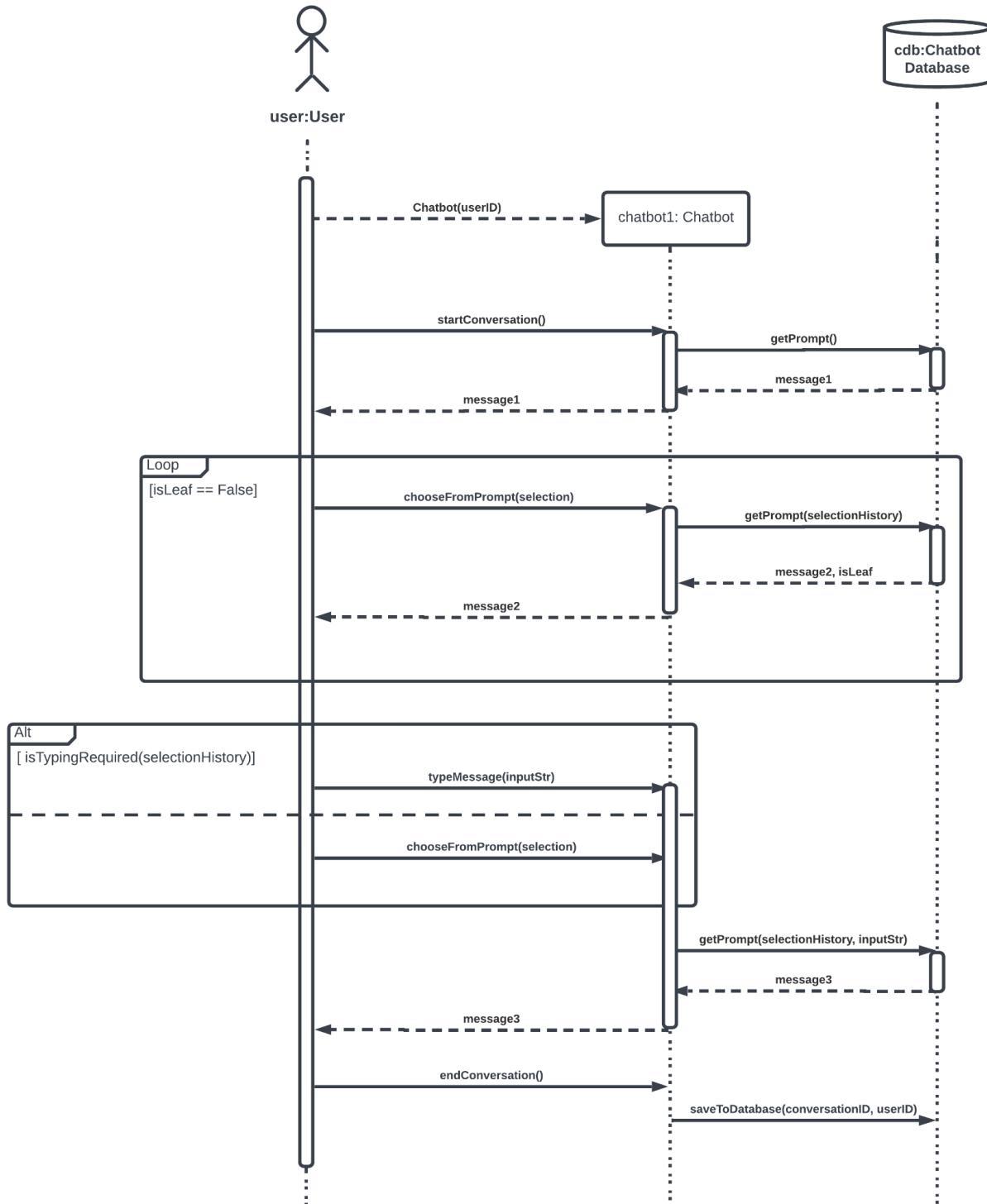
Using Searchbar



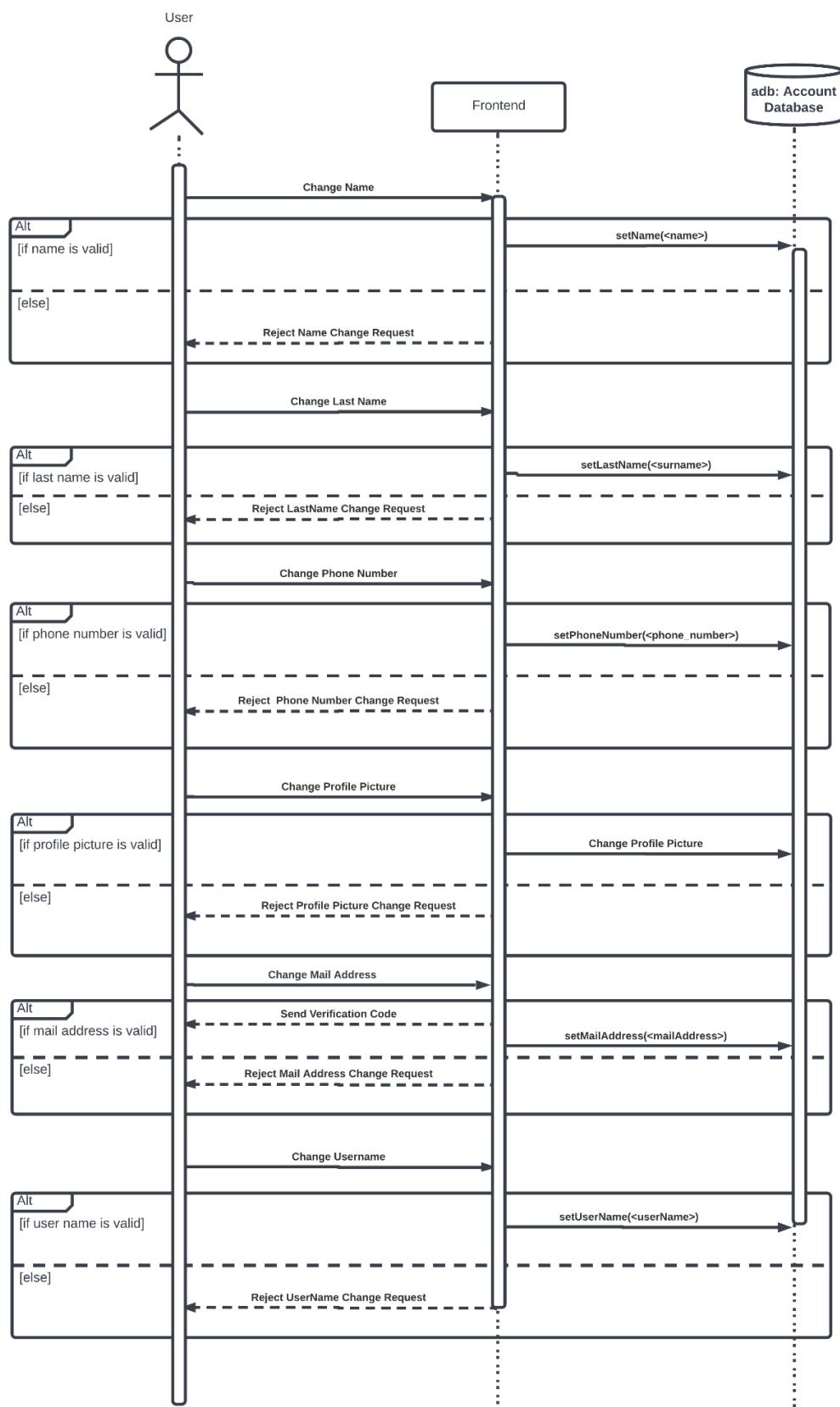
Reporting a Post/Comment



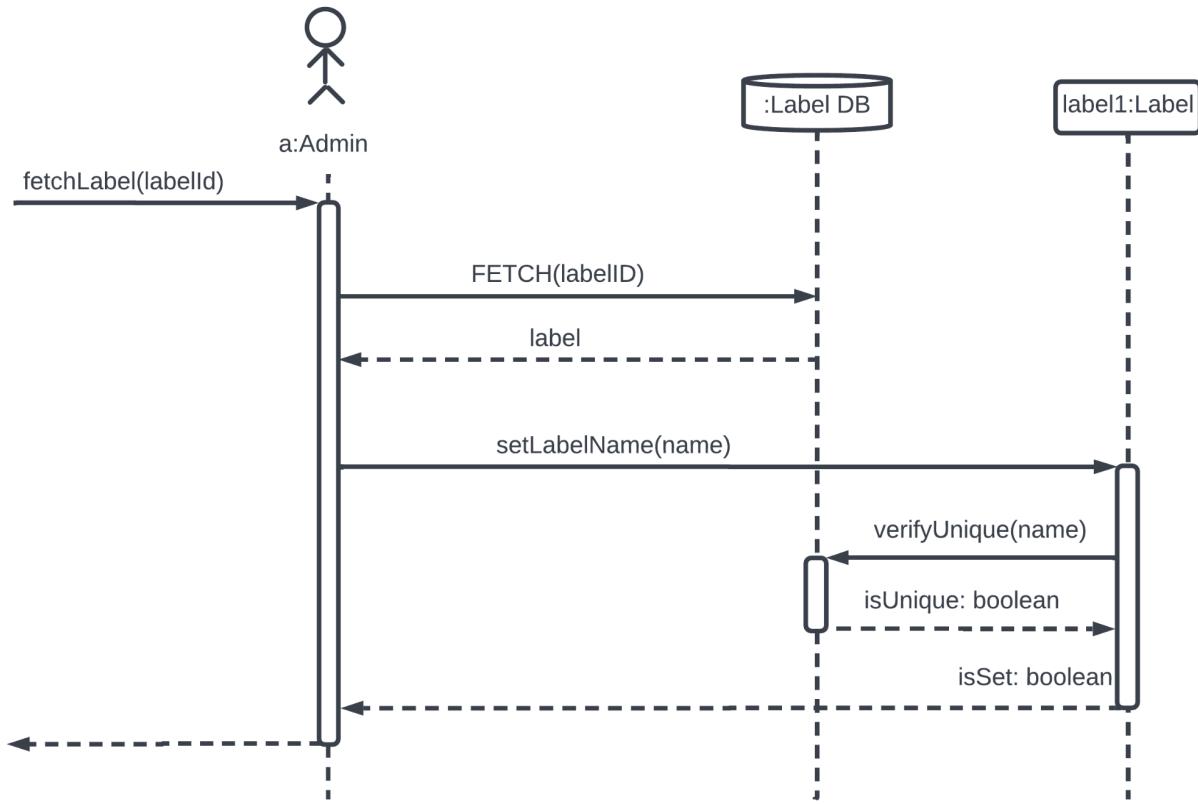
Using Chatbot



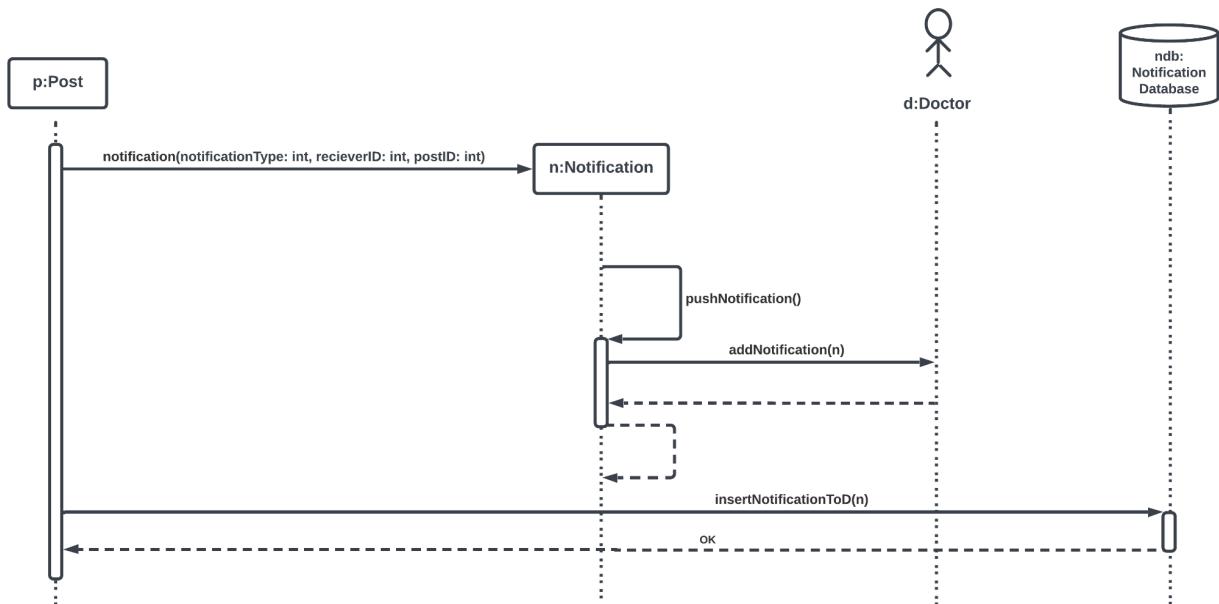
Editing an Account



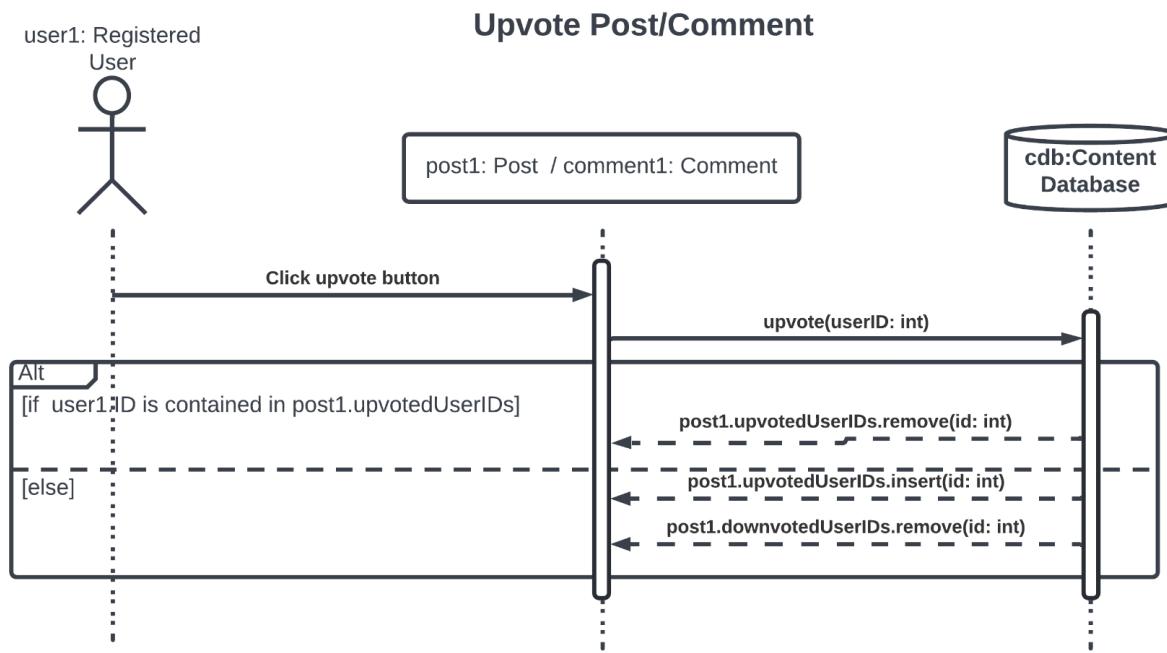
Editing a Label's Name



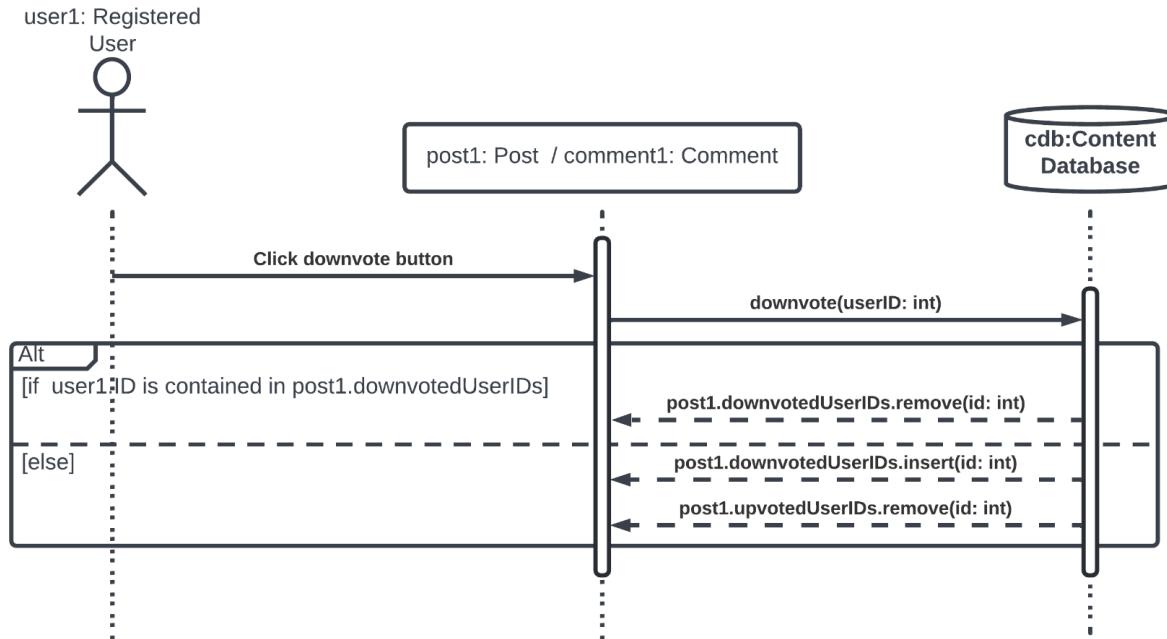
Notifying the Doctor of a Post



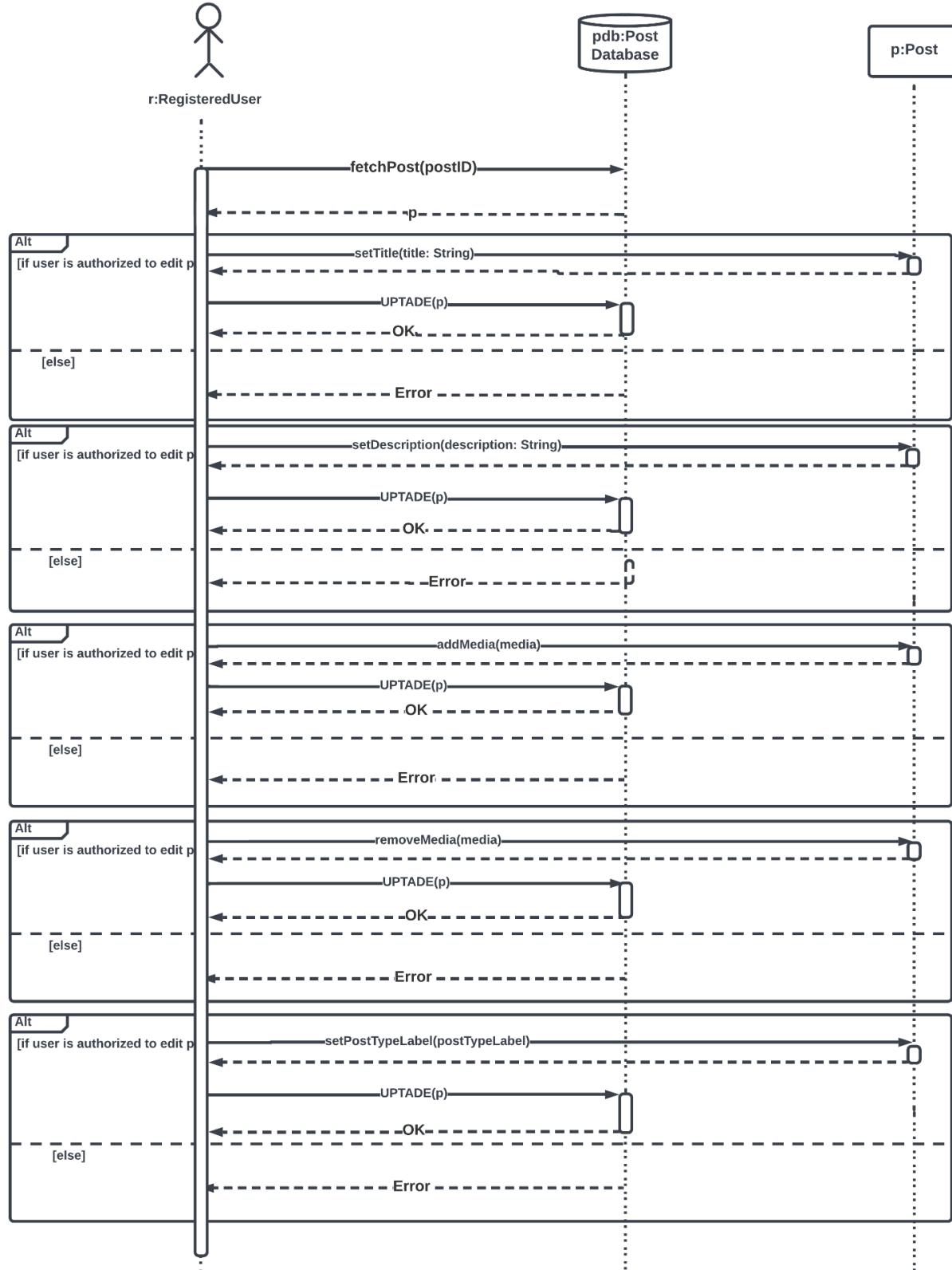
Voting a Post/Comment



Downvote Post/Comment

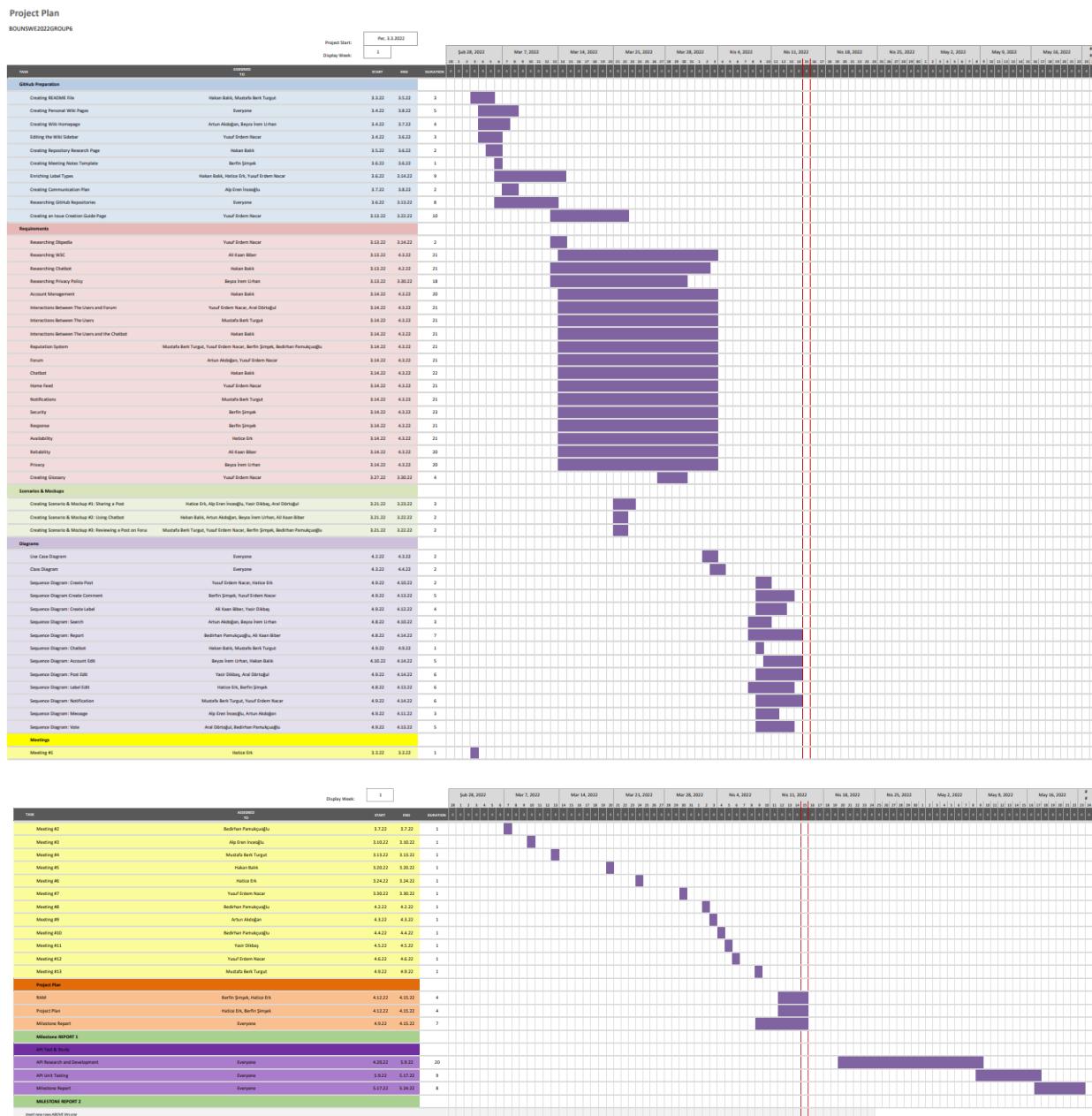


Editing a Post



D4- Project plan & RAM & Communication plan

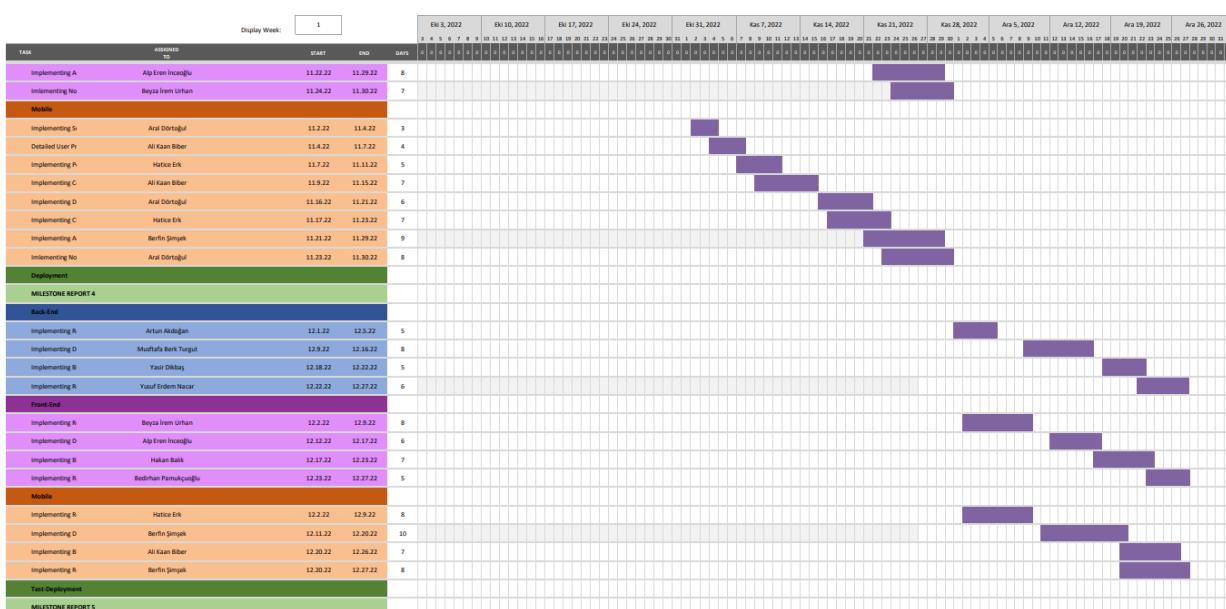
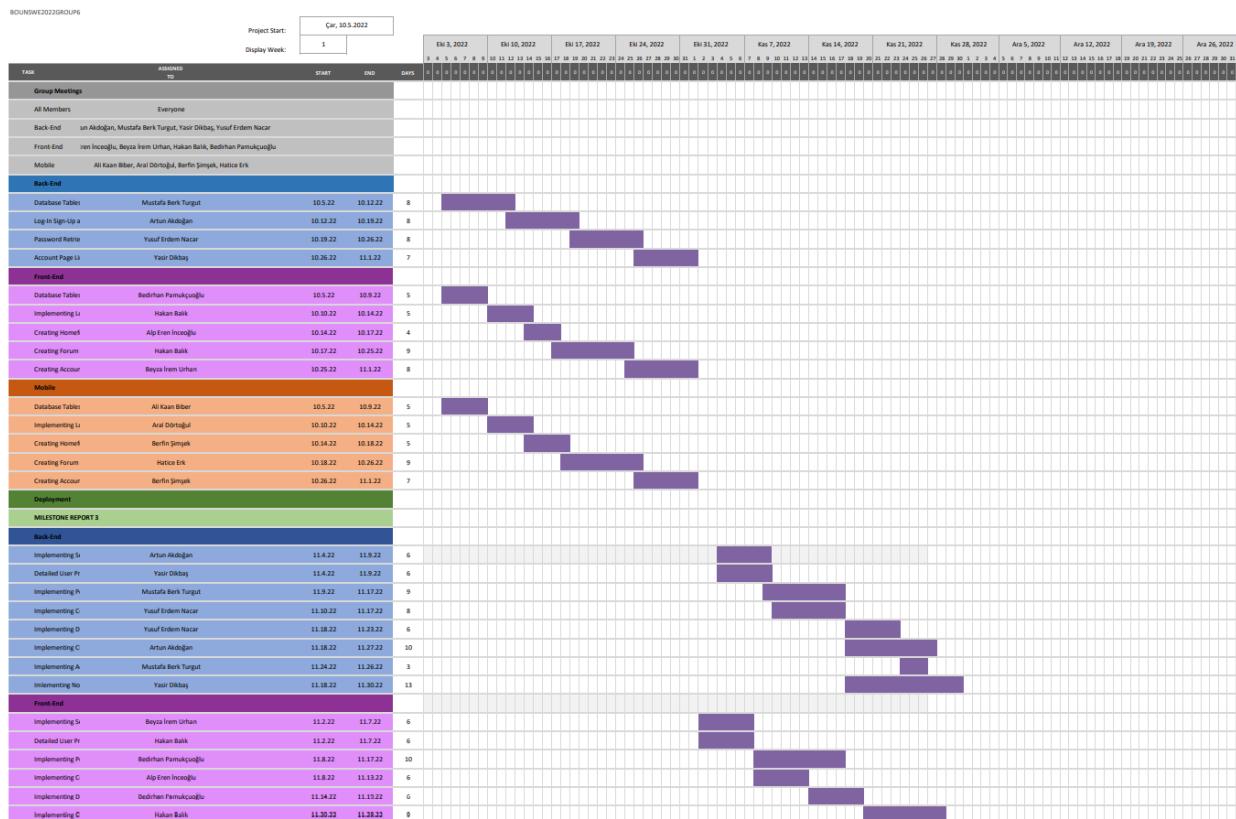
Project Plan for CmpE352



Project Plan for CmpE451

PROJECT PLAN

BOUNSW12022GROUP6



RAM

Contributor(C) Reviewer(R) Lead(L) Secondary(S) None(N)	Ali Kaan Biber	Alp Eren İnceoğlu	Aral Dörtoğlu	Artun Akdoğan	Berfin Şimşek	Beyza İrem Urhan	Hakan Balık	Hatice Erk	Musafa Berk Turgut	Bedirhan Pamuk çuoğlu	Yasir Dikbas	Yusuf Erdem Nacar
GitHub Preparation												
Creating README File	N	N	N	N	N	N	L	N	S	N	N	N
Creating Personal Wiki Pages	C	C	C	C	C	C	C	C	C	C	C	C
Creating Wiki Homepage	N	C	C	L	N	S	C	N	C	N	N	C
Editing the Wiki Sidebar	C	C	N	C	N	N	C	N	C	C	N	L
Creating Repository Research Page	C	C	C	C	C	C	L	N	C	C	N	C
Creating Meeting Notes Template	N	N	N	N	L	N	R	C	C	N	N	N
Enriching Label Types	N	N	R	N	N	N	C	C	N	N	N	C
Creating Communication Plan	N	L	R	N	N	N	R	N	R	N	N	N
Researching GitHub Repositories	C	C	C	C	C	C	C	C	C	C	C	C
Creating an Issue Creation Guide Page	N	N	N	N	N	N	R	N	N	N	N	L
Requirements												
Researching DBpedia	N	N	N	N	C	N	N	C	N	R	N	L
Researching W3C	L	C	N	N	N	N	R	N	N	C	N	N
Researching Chatbot	N	N	S	S	N	N	L	N	N	R	N	N
Researching Privacy Policy	N	N	N	N	N	L	R	N	S	N	C	N

Account Management	R	C	R	C	C	R	L	R	C,R	N	N	C
Interactions Between The Users and Forum	R	R	S	C	C	C	C	R	C	R	C	L
Interactions Between The Users	R	R	C	R	C	C	R	R	L	N	R	C
Interactions Between The Users and the Chatbot	R	R	R	R	R	R	L	R	R	N	N	R
Reputation System	N	C	R	C	C	N	R	R	C,R	N	N	C
Forum	R	R	R	S	C	R	C,R	R	C,R	N	N	L
Chatbot	R	R	R	C	N	R	L	R	R	N	R	R
Home Feed	R	R	R	R	C	R	R	R	C,R	R	R	L
Notifications	R	R	R	R	C	R	R	R	L	N	R	R
Security	R	R	R	R	L	R	R	R	R	N	R	R
Response	R	R	R	R	L	R	R	R	R	R	N	R
Availability	R	R	R	R	R	R	R	L	R	N	R	R
Reliability	L	R	R	R	R	R	R	R	R	N	R	R
Privacy	R	R	R	R	R	L	R	R	R	N	C	R
Creating Glossary	R	C	R	R	R	R	C	R	C,R	R	R	L

Scenarios & Mockups

Creating Scenario & Mockup 1: Sharing a Post	R	S	C	R	R	R	R	L	N	R	C	R
Creating Scenario & Mockup 2: Using Chatbot	C	C	R	S	R	C	L	R	R	R	N	R
Creating Scenario & Mockup 3: Reviewing a Post on Forum	R	N	C	R	C	R	R	R	L	C	R	S

Diagrams

Use Case Diagram	C,R	C,R	C, R	C, R	C	C,R	C,R	C	C,R	C, R	C,R	C,R
Class Diagram	C,R	C,R	C, R	C, R	C	C,R	C,R	C	C,R	C, R	C,R	C,R

Sequence Diagram: Create Post	N	N	R	N	R	R	R	S	N	N	R	L
Sequence Diagram:Create Comment	N	N	N	N	L	R	N	C	N	N	N	S
Sequence Diagram: Create Label	L	N	N	N	N	R	N	N	N	N	S	R
Sequence Diagram: Search	N	N	N	L	N	S	N	N	N	N	N	R
Sequence Diagram: Report	R	N	N	N	N	R	N	N	N	L	N	C
Sequence Diagram: Chatbot	N	N	N	N	N	R	L	N	S	N	N	N
Sequence Diagram: Account Edit	N	N	N	N	N	L	S	N	N	N	R	R
Sequence Diagram: Post Edit	N	N	S	N	N	R	N	N	N	N	L	N
Sequence Diagram: Label Edit	N	N	N	N	S	N	R	L	N	N	N	R
Sequence Diagram: Notification	N	R	N	N	N	N	N	N	L	N	N	S
Sequence Diagram: Message	N	L	R	S	N	N	N	N	N	N	N	C
Sequence Diagram: Vote	N	N	L	N	N	N	N	N	N	S	N	R

Meetings

Meeting #1	C	C	R	C	C	C	C	L	C	C	C	C
Meeting #2	C	C	C	C	C	C	C	C	C	L	C	C
Meeting #3	C	L	C	C	C	C	C	C	C	C	C	C
Meeting #4	C	C	C	C	C	C	C	C	L	C	C	C
Meeting #5	C	C	C	C	C	C	L	C	C	C	C	C
Meeting #6	C	C	R	C	C	C	C	L	C	C	C	C
Meeting #7	C	C	C	C	C	C	C	C	C	C	C	L
Meeting #8	C	C	C	C	C	C	C	C	C	L	C	C
Meeting #9	C	C	C	L	C	C	C	C	C	C	C	C
Meeting #10	C	C	C	C	C	C	C	C	C	L	C	C

Meeting #11	C	C	C	C	C	C	R	C	C	C	L	C
Meeting #12	C	C	C	C	C	C	C	C	C	C	C	L
Meeting #13	C	C	C	C	C	R	C	C	L	C	C	C
Customer Meeting #1	C	C	C	C	C	C	S	C	C	N	C	L
Customer Meeting #2	C	C	C	C	C	C	L	C	C	N	C	S
Customer Meeting #3	C	C	C	C	C	C	S	C	C	C	C	L
Customer Meeting #4	C	C	C	C	C	C	L	C	C	C	C	S
Taking Notes During Customer Meetings	N	C	N	N	N	N	S	N	N	N	N	L
Customer Meeting Feedback Page	N	C	N	N	N	N	L	N	C,R	N	N	S
RAM	C	C	C, R	C, R	L	C,R	C	S	C	N	C	C
Project Plan	N	N	R	N	S	C	R	L	N	N	N	N
Milestone Report	C	C	C	C	C	C	C	C	C	C	C	C
MILESTONE REPORT 1												
API Test & Study												
API Research and Development	C	C	C	C	C	C	C	C	C	C	C	C
API Unit Testing	C	C	C	C	C	C	C	C	C	C	C	C
Milestone Report	C	C	C	C	C	C	S	C	C	C	C	L
MILESTONE REPORT 2												
Group Meetings												
All Members	C	C	C	C	C	C	C	C	C	C	C	C
Back-End	N	N	N	C	N	N	N	N	C	N	C	C
Front-End	N	C	N	N	N	C	C	N	N	C	N	N
Mobile	C	N	C	N	C	N	N	C	N	N	N	N
Back-End												
Database Tables for Users	R	R	R	C	R	R	R	R	L	R	C	C

Log-In Sign-Up and Register Endpoints	R	R	R	L	R	R	R	R	C	R	C	C
Password Retrieval Endpoints	R	R	R	C	R	R	R	R	C	R	C	L
Account Page Linking System	R	R	R	C	R	R	R	R	C	R	L	C
Front-End												
Database Tables for Users	R	C	R	R	R	C	C	R	R	L	R	R
Implementing Log-In and Sign-Up	R	C	R	R	R	C	L	R	R	C	R	R
Creating Homefeed	R	L	R	R	R	C	C	R	R	C	R	R
Creating Forum Page	R	C	R	R	R	C	L	R	R	C	R	R
Creating Account Page	R	C	R	R	R	L	C	R	R	C	R	R
Mobile												
Database Tables for Users	L	R	C	R	C	R	R	C	R	R	R	R
Implementing Log-In and Sign-Up	C	R	L	R	C	R	R	C	R	R	R	R
Creating Homefeed	C	R	C	R	L	R	R	C	R	R	R	R
Creating Forum Page	C	R	C	R	C	R	R	L	R	R	R	R
Creating Account Page	C	R	C	R	L	R	R	C	R	R	R	R
Deployment												
MILESTONE REPORT 3												
Back-End												
Implementing Search Sort Mechanism	R	R	R	L	R	R	R	R	C	R	C	C
Detailed User Profiles	R	R	R	C	R	R	R	R	C	R	L	C
Implementing Post Mechanism	R	R	R	C	R	R	R	R	L	R	C	C

Implementing Comment Mechanism	R	R	R	C	R	R	R	R	C	R	C	L
Implementing Direct Message Mechanism	R	R	R	C	R	R	R	R	C	R	C	L
Implementing Chatbot Mechanism	R	R	R	L	R	R	R	R	C	R	C	C
Implementing Admin Privileges	R	R	R	C	R	R	R	R	L	R	C	C
Imlementing Notification Mechanism	R	R	R	C	R	R	R	R	C	R	L	C
Front-End												
Implementing Search Sort Mechanism	R	C	R	R	R	L	C	R	R	C	R	R
Detailed User Profiles	R	C	R	R	R	C	L	R	R	C	R	R
Implementing Post Mechanism	R	C	R	R	R	C	C	R	R	L	R	R
Implementing Comment Mechanism	R	L	R	R	R	C	C	R	R	C	R	R
Implementing Direct Message Mechanism	R	C	R	R	R	C	C	R	R	L	R	R
Implementing Chatbot Mechanism	R	C	R	R	R	C	L	R	R	C	R	R
Implementing Admin Privileges	R	L	R	R	R	C	C	R	R	C	R	R
Imlementing Notification Mechanism	R	C	R	R	R	L	C	R	R	C	R	R
Mobile												
Implementing Search Sort Mechanism	C	R	L	R	C	R	R	C	R	R	R	R
Detailed User Profiles	L	R	C	R	C	R	R	C	R	R	R	R

Implementing Post Mechanism	C	R	C	R	C	R	R	L	R	R	R	R
Implementing Comment Mechanism	L	R	C	R	C	R	R	C	R	R	R	R
Implementing Direct Message Mechanism	C	R	L	R	C	R	R	C	R	R	R	R
Implementing Chatbot Mechanism	C	R	C	R	C	R	R	L	R	R	R	R
Implementing Admin Privileges	C	R	C	R	L	R	R	C	R	R	R	R
Implementing Notification Mechanism	C	R	L	R	C	R	R	C	R	R	R	R
Deployment												
MILESTONE REPORT 4												
Back-End												
Implementing Reputation Mechanism	R	R	R	L	R	R	R	R	C	R	C	C
Implementing Doctor Verification Mechanism	R	R	R	C	R	R	R	R	L	R	C	C
Implementing Block System	R	R	R	C	R	R	R	R	C	R	L	C
Implementing Report Mechanism	R	R	R	C	R	R	R	R	C	R	C	L
Front-End												
Implementing Reputation Mechanism	R	C	R	R	R	L	C	R	R	C	R	R
Implementing Doctor Verification Mechanism	R	L	R	R	R	C	C	R	R	C	R	R
Implementing Block System	R	C	R	R	R	C	L	R	R	C	R	R

Implementing Report Mechanism	R	C	R	R	R	C	C	R	R	L	R	R
Mobile												
Implementing Reputation Mechanism	C	R	C	R	C	R	R	L	R	R	R	R
Implementing Doctor Verification Mechanism	C	R	C	R	L	R	R	C	R	R	R	R
Implementing Block System	L	R	C	R	C	R	R	C	R	R	R	R
Implementing Report Mechanism	C	R	C	R	L	R	R	C	R	R	R	R
Test-Deployment												
MILESTONE REPORT 5												

Communication Plan

Communication Method	Frequency	Participants	Purpose
Google Meet	Every Wednesday during the PS (between 17.00-19.00)	All team members	Weekly discussions about new or existing issues, work distribution, analysis of previous progress and questions about various tasks.
Face-to-face	When all team members are available	All team members	General warm-ups, tracking weekly progress.
Slack	Always	All team members	Important spontaneous conversations, additional information about upcoming meetings.
WhatsApp	Always	All team members	Casual conversation, urgent communication, additional information about meetings.
GitHub	Always	All team members	Documentation of the progress, controlling all issues, creation of projects.

D5- Milestone Report



CMPE 352

Fundamentals of Software Engineering

SPRING'22 / GROUP 6 - MILESTONE REPORT 1

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1. Executive Summary

The project we are working on is an online platform/app mainly composed of a forum where the users can share their medical experiences, get in touch with doctors and ask for advice on many different medical topics.

The platform will have various features such as semantic search, a chatbot, and a labeling system that will help the users to find what they are looking for with ease. In addition to the forum, the users will be able to communicate and share in a more discrete and direct manner via messaging if they choose to do so.

1.1. Summary of the Project Status

The development of the project started with determining the requirements and creating the software requirements specification document. After the initial requirement elicitation, the document was updated regularly in accordance with the feedback from the customer meetings.

Following the requirement specification, three scenarios for its uses were created. In order to convey an idea about how the project will work on different platforms, two web application mockups and one mobile application mockup were prepared. Even if the requirement elicitation part was done, the acceptance criteria of the scenarios were updated as soon as a change was made to the related items.

For the next step of the project, the use case, class, and sequence diagrams were designed. Since in the earlier steps what needs to be done and how they should function in the real world were defined clearly, the design process was unproblematic. The diagrams generally received positive feedback. In the process of creating the use case and class diagrams, the tasks which were splittable were distributed among the team members to enable working in parallel. However, daily meetings were held in order to combine and overview the individual tasks and distributed parts without diverging too much. The daily meetings also helped all team members to have a firm grasp on how the overall design of the project is conveyed. After the use case and class diagrams were completed, the tasks for the sequence diagrams were distributed with each task being reviewed by multiple members, multiple times and were done in time.

Subsequently, the work on the milestone report was distributed. Since the work on every step of the project was coordinated in a similar manner where the tasks were distributed but done collaboratively with lots of communication and reviewing, each team member had a great understanding of the design and status of the project. This led to a quick and straightforward preparation of the milestone report.

In summary, all of the deliverables were completed in time with great individual and collaborative effort, communication, planning, and revision and the project is in a state where it is mostly ready to be implemented.

1.2. Plans for Moving Forward

In the future, we will be forming subgroups within the team to work on different parts of the project which are frontend, backend, and mobile. The backend team will be working on the server-side, API integration, and data storage. The frontend team will be responsible for the client-side, the GUI, and how the data is taken from the users. Lastly, the mobile team will be implementing the mobile app of the project. Since the design part of the project is mostly done, we are ready to implement the project.

2. List and Status of Deliverables

2.1. D1- Project Repository

Includes: Up to date wiki pages (as usual constant gardening), issue tracking.

Status

From the beginning of the project to this day, we made use of issues in the best possible way to document our journey as well as meeting notes. After each meeting, we assigned our tasks to the responsible ones and opened related issues right away. While opening issues we always abide by the rules stated in our [Issue Creation Guide](#). Moreover, every member of the group filled their wiki pages with brief information about themselves, contact info, and their weekly efforts. In short, this deliverable is in a good state and ready to be reviewed.

2.2. D2- Requirements

Includes Software Requirement Specification, Scenarios, and Mockups

Status

We were firstly divided into subgroups for completing our own parts on the software requirements page. After the first draft was complete almost each group member took part in reviewing our requirements page separately. As this part is needed to be kept up to date, we made the required adjustments after some client and internal meetings. Just in the same way, our subgroups handled 3 distinct Scenarios and related mock-ups. We made all necessary adjustments to the requirements and it is now completely ready for the checking process.

2.3. D3- Software design documents in UML

Includes Use case, class, and sequence diagrams.

Status

We designed our UML diagrams by making use of Lucidcharts. The process of learning how to use the necessary tools took quite some time but after getting used to the platform we demonstrated perfect work. Rechecking everything with group members more than once was done during the meetings in order to prevent any mistakes. All complete and detailed diagrams can be found on our GitHub page as well as on Lucidchart. This deliverable is in a perfect state and ready to be reviewed.

2.4. D4- Project plan & RAM & Communication plan

Status

As we effectively used meeting notes and issues, most of our project plan and responsibilities were already explicitly documented. Thus, the creation of RAM and Project Plan was handled with great precision. RAM represents the detailed contributions of each group member and the type of work they've done while contributing. Our communication plan was already created on the 8th of March ([#13](#)). We used each communication method listed in (the communication plan) according to our needs and our group members' availability. In conclusion, D4 is also complete and can be reviewed.

2.5. D5- Milestone Report

Status

Our milestone report is a perfect summary of the progress we've made so far and the group effort demonstrated while making the progress. The report includes details about the project status, future plans, tools we used, and individual work done by each group member. As well as this, a list of deliverables and their status is also included in the report. Last but not the least, necessary links embedded into words were utilized wherever possible for making the report more effective in terms of readability. Everything is well documented and ready to be checked.

3. Evaluation of Impact of Deliverables On Project Plan

Without a doubt, one of the most important aspects of project development is predictability. This can only be achieved through having a great vision, plan, and more importantly well-documented files which enable us to foresee future steps of the project. As far as our project is concerned, the list and status of deliverables are listed above and they are a great example of clean documentation of progress. Starting from requirements to the milestone report, each deliverable is completed by means of great endeavor demonstrated by all group members. Thus, completion of the project plan regarding what we did in the past was achieved with great precision as each contribution is documented on GitHub. On the other hand, as this gave us a great idea of how we manage time and handle various tasks as a team, we could easily plan steps that will be taken even 8 months later. As we were preparing deliverables we got to know each other even better which enabled us to distribute roles as lead, contributor, etc. for software development phase subgroups. What's more, software requirements and design documents are completely ready, meaning that for the coding stage there won't be any hardships to be faced during the theoretical phase and subgroups will focus solely on coding. This way, we assume the software development phase will be efficient and everything will be completed on time as shown in the [Project Plan](#). As a result, having carefully prepared deliverables makes the project's future foreseeable while acting as a catalyst to the process and contributing to the creation of the project plan.

4. Evaluation of the Tools and Processes We Have Used

4.1. GitHub

GitHub is by far the most popular Git repository hosting service. It offers a wide variety of features to keep your shared workspace manageable with a very sweet UI. For our project, we used GitHub's issue and wiki system very frequently. Thanks to GitHub, assigning and tracking individual tasks were easily managed. Additionally, the wiki system enabled us to display our work in a way that is easily accessible, comprehensible, and presentable.

4.2. Google Meet

Google meet was perfect for us because it is easy and quick to set up a meeting, it requires no licensing and it does not have a time limit on the meeting duration. The fact that google meet is easily integrated into the google calendar made the scheduling of the meetings amazingly effective. An insignificant downside of google meet is that it does not allow multiple people to share their screens at the same time. Overall it was great for a group of size 10 - 15 like us.

4.3. Google Docs/Sheets

Google workspace offers a high level of integration between its products and allows the users to work on documents collaboratively very easily. We used docs and sheets to prepare our milestone report. These products allow multiple people to work on the same file at the same time, which is perfect for preparing a project report. This way we did not need to send or receive the most up-to-date version of the file to produce a single report. Although they may lack some features when compared to their office counterparts, when working with a team they are better.

4.4. Slack

Slack is a workplace communication tool widely used in business. It was one of the key tools for the communication part of our project. It is user-friendly and has a simple UI. It allows the users to organize their communication in a wide variety of ways such as creating channels, discussing in threads, etc. The role Slack played in our project was that it enabled us to communicate with the teaching staff very effectively. Although we used other channels for communication between the group members, those channels were not available for communicating with the teaching staff. It allowed us to organize the discussions with its thread feature. Since Slack is used by all of the students, tracking the public discussions was vital, which is why the thread structure of Slack is very useful. The answers to the questions we asked can be seen directly under those questions, which makes it easier to keep track of what's going on.

4.5. LucidChart

Lucidchart is an online diagram creation platform where users can share their work with multiple people. The sharing system of Lucidchart is very similar to that of google docs/sheets. We used it to create diagrams collaboratively, work on them at the same time during the meetings, and share them with one another for reviews. It also provides many assets for preparing UML diagrams. On the downside, some features are locked behind a licensing system. Although it was great for the use case and class diagrams, it was a bit hard to use for sequence diagrams because of how the arrows behave. For the sequence diagrams, there may be better alternatives such as PlantText.

4.6. Canva

Canva is an online graphic design tool that has a huge library of assets that people can use for a large array of purposes. It allows you to share designs with other people. We used Canva to create the mockups for our scenarios. Since we were able to share our designs, the mockups were easy to make consistent. However, like Lucidchart, there is a licensing issue. Most of the high-quality assets are locked behind a paywall and the free ones were not that diverse. Additionally, most of the designs on Canva are focused on documents like CVs, certificates, or presentations. This is why Canva may not be the best choice for creating mockups. There are definitely better alternatives out there tailored to create mockups like Miro or MockFlow.

5. Table of Work Done

Team Member	Contribution
Ali Kaan Biber	<ul style="list-style-type: none"> Attended all group and customer meetings. Learned the basics of Markdown language. Created my personal wiki page. #3 Researched GitHub to find a repository for the repository research page. #12 Made research about W3C, created a wiki page for it, and filled it with basic information related to W3C and its standards. #19 Listed the non-functional requirements for Reliability. #28 Reviewed Scenario #2 for Using Chatbot and worked on its mockup. #35 Reviewed Scenario #1 and Scenario #3 and made small notifications for consistency. Updated Scenario #2 so that it follows the updated requirements. #48 Worked on the Use Case Diagram collaboratively with all team members. Reviewed the Class Diagram of Searchbar. #59 Designed the Class Diagram of Label. #60 Reviewed the Sequence Diagram of Report Content. #71 Created the Sequence Diagram of Admin Label Creation. #75 Prepared the Requirements, Scenarios, and Mockups part of the Milestone Report. Reviewed RAM and filled my work.
Alp Eren İnceoğlu	<ul style="list-style-type: none"> Attended all group and customer meetings. Created own personal wiki page #3 Researched and added a repository to the research page. #12 Created the communication plan. #13 Took meeting notes #3 Did research about W3C #19 Listed the user types in requirements like a glossary #31 Co-created the User Scenario 1 #34 Updated the user types and moved them under 1.1 User Requirements #37 Reviewed the requirements and made minor consistency changes #42 Reviewed the updated User Scenario #1 #47 Worked on the Use Case Diagram collaboratively with all team members. Created the Chat Class Diagram #62

	<ul style="list-style-type: none"> Reviewed the Report Class Diagram #63 Reviewed the Report Sequence Diagram #77 Reviewed RAM and filled my work. #82 Filled my summary of work into the milestone document #86 Created the Message Sequence Diagram #88 Uploaded Deliverable #1 to the wiki. #89 Created and designed the Deliverables part of the sidebar #91
Aral Dörtogul	<ul style="list-style-type: none"> Attended all group and customer meetings except meetings 1 and 6. Created own personal wiki page. #3 Added the link to his personal wiki page to the Wiki's main page and sidebar. #4 #5 Added a repository to the repository research page #12 Did research about Chatbot #17 Listed the functional requirements for interactions between users and the forum. Created user scenario & mockup #1: Sharing a post #34 Updated User Scenario 3 acceptance criteria in accordance with the updated requirements. #41 Reviewed the mock-up drawings in all scenarios. Meeting #11 Class Diagram: Chat class reviewed. #62 Class Diagram: Created the Post Preview Class #64 Use case diagram: Carried out integrity checks of all the use case scenarios. #85 Sequence diagram: Created the sequence diagram for Voting a Post/Comment. #79 Sequence Diagram: Post Edit reviewed. #76 Reviewed RAM & Project Plan Design. #82 Prepared the summary of the work done by each member in Milestone Report I. #86
Artun Akdoğan	<ul style="list-style-type: none"> Attended all group and customer meetings. Wrote my time tracking in weekly periods. Created and commented on issues for my work. Studied Markdown syntax. Refreshed my knowledge of Git. Created my personal Wiki page. (#3) Worked on the Home Wiki page. (#4)

	<ul style="list-style-type: none"> Added a repository to the repository research page. (#6) Researched chatbot. Researched other repositories for an example requirements page. Wrote Forum Requirements on the Requirements page. (#24) Worked on scenario page for Chatbox Usage and worked on its mockup with the team on Scenario #2: Using Chatbot. (#35) Reviewed and fixed minor errors on the requirements page. (#42) Worked on use case diagram for Report User Operations. Documented and uploaded notes for Meeting #9. (#54) Created class diagram for Searchbar class. Added some functions to PostPreview class. (#59) Reviewed class diagram for Message. (#56) Created sequence diagram for Searchbar. (#70) Reviewed and fixed minor errors on the Chatbot Research page. (#17) Reviewed sequence diagram for Message. (#88) Reviewed RAM and filled my work. (#82)
Berfin Şimşek	<ul style="list-style-type: none"> Attended all group and customer meetings. Researched Markdown language. Investigated previous years' repositories. Created my personal wiki page. Updated my personal wiki page adding weekly efforts. Researched GitHub repositories. Created a template for Meeting Notes. Researched DBpedia for the project. Listed security and response requirements of the project. Reviewed the updated Requirements. Created Scenario #3. Reviewed Scenario #1 and Scenario #2. Added 1.1.1.3.11 & 1.1.1.3.12 requirements under editing the information in an account. Improved post and comment operations in the Use Case Diagram. (#53) Designed the Use Case Diagram with colorizing and adding new arrows. (#55) Created a class for Post operation for the class diagram. (#57) Updated Scenario #3 after the changes in requirements. Reviewed class diagram of Account. (#67) Created the sequence diagram of Create Comment on a Post. (#72) Reviewed the sequence diagram of Label edit. (#69) Reviewed the sequence diagram of Create Post. (#73)

	<ul style="list-style-type: none"> Created Project Plan & RAM for Milestone Report #1. (#82)
Beyza İrem Urhan	<ul style="list-style-type: none"> Learned about markdown language Attended group and customer meetings except Meeting 13 Created own personal wiki page (#3) Added the link to her personal wiki page to the Wiki's main page (#4) Investigated previous years' repositories. Reviewed the mock-up drawings in all scenarios (Meeting #11) Added a repository to the repository research page (#12) Did research about Privacy Policy (#16) Searched example texts to use in privacy policy (#29) Listed the non-functional requirements for privacy policy (#30) Created user scenario & mockup (#2): Using Chatbot (#35) Reviewed user Scenario #1 and user Scenario #3 Reviewed the requirements and checked whether other participants reviewed (#42) Filling Post and Comment Operations Related Use Cases in the Use Case Diagram (#53) Organized the arrows in the middle part of the use case diagram Class Diagram: Comment Class reviewed (#66) Class Diagram: Account Class created (#67) Sequence diagram: Reviewed the sequence for Searchbar (#70) Sequence diagram: Created the sequence for Account Edit (#81) Updated her personal wiki page adding weekly efforts Reviewed and updated RAM, also filled my column. (#82)
Hakan Balık	<ul style="list-style-type: none"> Attended all internal and customer meetings <u>except</u> for Meeting 11. Revised markdown language. Created README page with Berk. (#2) Created the Repository Research page. (#6) Researched GitHub repositories. (#12) Created a custom footer for our wiki page. (#11) Created my personal wiki page. (#3) Introduced 4 new labels: State Approved / Blocked / In-Progress / Completed. (#9) Edited sidebar to keep it up to date. Opened the Requirements page and created a template. (#15) Created the research page for Chatbot and filled it. (#17) Edited wiki home page to keep it up to date. Filled in the Account Management of User Requirements. (#23)

	<ul style="list-style-type: none"> Reviewed the Chatbot Requirements. (#25, #43) Created the scenario for Using Chatbot and reviewed the related mock-up. (#35, #48) Restructured Scenarios & Mockups and informed necessary people. (#36) Reviewed Scenario #1 and Scenario #3. (#34, #33) Documented Customer Meeting Feedback of first 4 weeks with Yusuf. (#21, #45, #49) Reviewed and updated Requirements based on customer feedback. (#42) Worked on use cases depending on Account Operations and Chatbot. (#51) Attended Meeting 9, where we finalized the Use-Case Diagram collaboratively, initiated Class Diagram studies altogether, and distributed ongoing work of Class Diagrams. Organized the arrows in the middle part of the use case diagram. (#55) Created the Class Diagram of Chatbot. (#58) Reviewed the Class Diagram of Notifications. (#65) Created Chatbot Usage diagram for sequence diagram. (#74) Reviewed Editing Account diagram for sequence diagram. (#81) Reviewed and updated RAM, and also filled my column. (#82) Finalized sequence diagrams. (#92)
Hatice Erk	<ul style="list-style-type: none"> Attended all group and customer meetings. Researched Markdown language. Created my personal wiki page. Updated my personal wiki page adding weekly efforts. Documented Meeting #1 and Meeting #6 notes. #7 & #39 Researched Git repositories. Investigated previous years' repositories. Created priority labels; Priority: High / Medium / Low. #9 Researched DBpedia. #18 Edited Wiki home page and sidebar to keep it up to date. Listed availability requirements. #27 Created Scenario #1 for sharing a post. #34 Created the first scenario's Mockup. Reviewed Scenario #2 and Scenario #3. Reviewed the updated requirements. #42 Updated Scenario #1 after the changes in requirements. #47 Improved Post and Comment operations in the Use Case Diagram. #53 Created a class for Message in the Class Diagram. #56 Designed the Use Case Diagram with colorizing and adding new arrows. #55

	<ul style="list-style-type: none"> Reviewed the Class Diagram of Post. #57 Researched UML sequence diagrams Created the Label Edit Diagram as a Sequence Diagram. #69 Reviewed the Create Post Diagram as a Sequence Diagram. #73 Created Project Plan & RAM for Milestone Report #1. #82
Mustafa Berk Turgut	<ul style="list-style-type: none"> Attended all group and customer meetings. Researched Markdown language. Examined previous years' repositories. Created my personal wiki page. Updated my personal wiki page with my weekly efforts. Researched GitHub repositories, and added TensorFlow to our Research page. Co-created README.md with Hakan Balık. #2 Took the meeting notes of meeting #4, the meeting held to realize Scenario #3, and meeting #13. Listed requirements for 1.1.3: Interactions Between the Users for the project. #22 Contributed to the creation of Scenario #3. #33 Added the recent items and arranged the ordering of the Sidebar of our Wiki to make it more concrete. Reviewed the updated Requirements. #42 Introduced 1.2.5: Notifications and implemented multiple updates in the Requirements page after the meetings, diagrams, and customer feedback to keep it up-to-date. #50 Held a 1h meeting with Erdem to review issue #52: the Home Feed class for the class diagram. #61 Created the Notifications class for the class diagram. #65 Reviewed the sequence diagram of chatbot usage. #74 Created the sequence diagram of a notification induced by the creation of a post. #77 Updated the naming convention of the titles of the meeting notes and therefore the links in the Main and the Home pages of our Wiki that direct to the meeting notes. #84 Reviewed the Diagrams and implemented the changes mentioned in the issue. #85 Listed and reviewed parts 4 and 5 of the Milestone Report with Yasir. #90
Bedirhan Pamukçuoğlu	<ul style="list-style-type: none"> Attended all group and customer meetings. Learned the basics of Markdown language.

	<ul style="list-style-type: none"> Created my personal wiki page. #3 Researched GitHub to find a repository for the repository research page. #12 Made research about W3C, created a wiki page for it, and filled it with basic information related to W3C and its standards. #19 Listed the non-functional requirements for Reliability. #28 Reviewed Scenario #2 for Using Chatbot and worked on its mockup. #35 Reviewed Scenario #1 and Scenario #3 and made small notifications for consistency. Updated Scenario #2 so that it follows the updated requirements. #48 Worked on the Use Case Diagram collaboratively with all team members. Reviewed the Class Diagram of Searchbar. #59 Designed the Class Diagram of Label. #60 Reviewed the Sequence Diagram of Report Content. #71 Created the Sequence Diagram of Admin Label Creation. #75 Prepared the Requirements, Scenarios, and Mockups part of the Milestone Report. Reviewed RAM and filled my work.
Yasir Dikbaş	<ul style="list-style-type: none"> Attended all internal and customer meetings except for Meeting 6. Conducted research on markdown languages. Created my personal wiki page (#4). Researched popular repositories and summarized the OpenCV Repository Research page (#12). Took and uploaded our team's photo to our readme page. Conducted research on privacy policy and presented a slide during the meeting. Created a listing of interactions between users on the requirements page (#22). Reviewed the Requirements page but especially interactions between users and forum. Reviewed “reviewing a post on forum”, Scenario #3. Worked on mock-up about patient sharing a post Scenario #1 (#34). Worked on use cases with my team and successfully created all of them. Created the Class Diagram of Report (#63). Reviewed the Class Diagram of Chatbot. (Meeting notes #9). Reviewed organization. (Meeting Notes #8). Created Post Edit diagram as a sequence diagram. (#76) Reviewed Admin Label Creation diagram for sequence diagram(#75) Filled my column on RAM and reviewed it. (#82) Created Milestone Report's items 4&5(#90) Tracked my weekly effort and documented it on my personal wiki page.
Yusuf Erdem Nacar	<ul style="list-style-type: none"> Attended all group and customer meetings. Took notes for meeting #7 and meeting #12. #46, #80

- Researched Git.
- Researched GitHub flavored markdown language.
- Researched GitHub repositories. #6, #12
- Created [personal wiki page](#). #3
- Updated weekly efforts table under the [personal wiki page](#) weekly.
- Designed the sidebar of the wiki. #5
- Researched [DBpedia](#). #18
- Created an [issue creation guide](#). #20
- Listed the requirements for [1.2.2 Forum](#) for the project. #24
- Added the Type labels: Documentation, Wiki, Research, Enhancement. #9
- Edited the labels to make them more distinguishable. #9
- Contributed to the creation of [Scenario #3](#). #33
- Reviewed and updated the requirements for [1.2.3 Chatbot](#). #25, #43
- Contributed to the requirements for [1.2.5 Notifications](#). #50
- Added the requirements for [1.1.3.2 Reporting](#). #44
- Updated the whole [requirements](#) in accordance with the feedback. #40, #42, #52, #68
- Contributed to documenting [customer meeting questions and answers](#). #45
- Contributed to the account operations cases in the use case diagram. #51
- Reviewed the use case diagram as a whole. Meeting
- Created the home feed class for the class diagram. #61
- Reviewed the post preview class. #64
- Created the content class and contributed to the post and comment classes. Meeting
- Contributed to the user classes for the class diagram. Meeting
- Reviewed the class diagram as a whole. Meeting
- Researched UML sequence diagrams.
- Created the creating a post sequence diagram. #73
- Contributed to creating a comment sequence diagram. #72
- Contributed to reporting a content sequence diagram. #71
- Contributed to the notification sequence diagram. #77
- Reviewed all sequence diagrams. Meeting
- Wrote the executive summary part for the milestone report. #83
- Wrote the evaluation of tools and processes part for the milestone report. #83
- Finalized sequence diagrams. #92