Milestone Report

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Executive Summary

Project Description

This project is a social media platform which lets people benefit from cumulation of content while they are sharing experiences and knowledge. The project as a platform, offers a sharing environment which is based on communities. As other social media platforms, people can share their posts which contain texts, pictures or videos on communities which they are members of. Community members are able to interact with each other on posts like events but not limited to. Rather than other social media platforms, this application allows people to make shared content more structured by letting them have different post structures for each community. By saying that we mean every community can have their customized post structures according to their needs. This application aims to reach the next level of what we know as social media by letting self-structured communities be formed by themselves.

Project Status

A project like this has many details and parts which necessitate lots of planning and a consistent process. That is why we released quite a bit of deliverables and each of them helped us to work more efficiently and realize the details.

At first, we introduced ourselves in a group meeting and got to know each other. We knew that communication plays the main role in group projects, thus we determined our communication channels and frequencies. We also decided to document all of our group meetings. Then we customized our wiki page.

After we laid the base of our repository, we were ready to think about our project. We examined the project description and brainstormed about what kind of platform is wanted here. Then we prepared the first draft of our requirements. We classified the requirements into functional and non-functional. Functional requirements are also divided into user requirements and system requirements. In subgroups, we determined these requirements. Most of our user roles and project features were created in that week. Then we also prepared a glossary to explain the terms used in requirements. We prepared questions about unclear parts to ask in the customer meeting.

Then we conducted a meeting with our customer and asked our questions. He clarified the expected work and how to structure the posts. We documented the feedback and rearranged our requirements according to that.

Requirement elicitation was mostly over, and we needed to validate them. We validated our requirements with scenarios and mockups. We determined use cases worth showing and wrote background stories to make them realistic. Then we drew mockups to provide a concrete structure of our plans. While we were figuring out our scenarios, we realized that our requirements did not cover some cases, thus we inserted some additional requirements. In that sense, scenarios and mockups were highly beneficial.

Next, we started to design our project. We modeled our work in use case, class, and sequence diagrams. The use case diagram helped us to represent each feature as a mapping. Class diagram was a clear documentation of our project's base structure. Then we connected class structure and use cases in sequence diagrams.

To put it in a nutshell, we improved our work step by step and provided clear documentation of what we planned and decided until now in each step. We believe our basic roadmap is created clearly by now and we are ready to move on.

Moving Forward

We plan to continue working on our project with determination. We have done our project planning and have set up goals for the future of the project. We know that through the lifetime of the project, we will run across some obstacles and changes in the planning will be required which is meant to happen in any kind of project. So, we will continue to arrange meetings frequently about those situations to ensure that everyone is on the same page, and the tasks are clear. Also, we will continue having meetings with our TA where we ask our questions and get suggestions about the project. We think that with each lecture we learn more and more about software engineering and we are looking forward to using our freshly learned skills into every part of the project. Also, we will keep our eyes on new powerful and useful tools which we could use to our advantage for the future of this project. As stated in the project description, we will be creating back-end, front-end and, Android aspects of the project and those will be discussed later this semester. So, stay tuned for those. We believe that each member of this group is capable and determined to make this project as great as possible and the future of this project is very bright.

List and Status of Deliverables

Deliverable	Status	Completion Date
Communication Plan	Completed	29.03.2021
Project Requirements	Completed	08.04.2021
User Scenarios & Mockups	Completed	17.04.2021
Use Case Diagram	Completed	30.04.2021
Class Diagram	Completed	30.04.2021
Sequence Diagrams	Completed	30.04.2021
Responsibility Assignment Matrix (RAM)	Completed	08.05.2021
Project Plan	Completed	09.05.2021

Evaluation of the Status of Deliverables

- **Communication Plan:** We think having a good communication plan is important to use time efficiently and have a healthy communication among team members. We also observed that using different types of communication channels such as video calls and chat is efficient in terms of time and organization. So we use several channels to communicate such as Google Meet and Slack. Everyone attends weekly meetings. Besides we hold online meetings as subgroups to work together.
- **Project Requirements:** Details of the project are clarified as we prepare the Requirements. As we get feedback from our TA or we think improvements are needed, we have modifications on the Requirements. There also may be small changes in the future. We often refer to it when we prepare a diagram etc. to hold consistency. This is where the project can be understood in detail**.**
- **User Scenarios & Mockups:** We prepared the user stories and scenarios for different users. Corresponding mockups are designed for mobile or web interface. This part pictures the target group, features of the application and use of the application. We think our mockups are sufficiently descriptive to get a quick idea about the project.
- **Use Case Diagram:** Use case diagram illustrates the paths that each user type can take for a specific action. It describes the user roles that are explained in the Requirements in a visual way. One can find which steps to take in order to achieve a goal in the application. Coloring of the diagram helps to distinguish the separate actions and track the steps easily.
- **Class Diagram:** Class diagram specifies the objects, their attributes, methods and relations. It describes the project in lower level in comparison to other diagrams. We plan to refer to it in the implementation process.
- **Sequence Diagrams:** Each sequence diagram shows the object interaction for a specific use case. Although sequence diagrams do not include all use cases we believe that most essential cases are provided. These diagrams are consistent with the class diagram and the use case diagram.
- **RAM (Responsibility Assignment Matrix):** RAM illustrates the work done by our team members in a detailed way. One can easily track the responsibility taken by each person. Tasks are classified to main categories and responsibilities classified as lead, contributor, reviewer and none. One can see that all team members took responsibility in the project in a balanced way.
- **Project Plan:** Project plan visualizes the tasks done in the project and its date and duration. Our project plan does not include the tasks until the time it is prepared but also the future works that are planned to be done. Our approximate progress in time can be tracked easily from there. We think planning is a key part of a project and we do our best to stick to it.

Evaluation of Tools and Processes

GitHub: GitHub is our main platform to upload project related documents, create issues to assign tasks, document our work thoroughly and track our progress. As we move forward with our project, our repository and its wiki page becomes more and more detailed.

Slack: Slack is our main platform to discuss project related issues. Slack offers creating multiple channels with different sets of members assigned to them. This way, each task team gets their own channel to discuss and project related conversations become more organized.

Google Meet: Google Meet is our main platform to hold our meetings. It offers voice/video calls, a basic message channel and screen sharing feature. Using these features, we can discuss and collaborate efficiently during meetings. Though it could be better in terms of video/voice quality, the simplicity of creating a meeting room and inviting others in Google Meet makes it a viable choice.

Diagrams.net (Draw.io): To create simple website / mobile app screens for our mockups, we used Diagrams.net (once called Draw.io). This website provides various tools, templates and shapes. You can share your diagram with others so that others can use your template.

Lucidchart: To create our Use Case, Class and Sequence diagrams, we used Lucidchart. Lucidchart provides various templates for diagram elements and you can review & edit the diagram simultaneously with other team members. Free version of Lucidchart is limited but you can access all premium features by signing up with a university email address.

Microsoft Excel: To create the Responsibility Assignment Matrix, we used Microsoft Excel. Originally, Microsoft Excel offers various functions and tools to create various spreadsheets. In our project, we didn't use these functionalities much, we simply needed the spreadsheet structure to forum our RAM and denote team member's contribution on planned tasks.

ProjectLibre: To create the project plan, we used ProjectLibre. ProjectLibre allows us to list our planned tasks which we can give one or more assignee(s) and decide on the dependency structure between these tasks. Therefore, we can form our project plan. However, it wasn't easy to work with and it could be more user friendly.

Table of Work Done by Each Member

Member Name	Contributions
Kıymet Akdemir	● Research and documentation about Git ● Research and documentation of popular Github repositories ● Preparing personal wiki page ● Documenting system requirements ● Preparing questions to ask in the costumer meeting ● Documenting customer meeting ● Documenting Meeting Notes #3 ● Designing and documenting Scenario #4 ● Designing class diagram ● Creating sequence diagram for "Searching Community" ● Preparing a table for list and status of deliverables ● Documenting evaluation of the status of deliverables
İrem Zeynep Alagöz	● Researching and documenting popular GitHub repositories ● Learning basics of Git and Github ● Preparing own personal wiki page ● Deciding and creating issue labels ● Updating Wiki page and Sidebar to make it more descriptive and added necessary links ● Reviewing and updating README ● Deciding on the necessary definitions for the glossary and documenting them on Wiki ● Identifying and documenting user Requirements ● Reviewing and updating requirements ● Designing and documenting Scenario #1 ● Designing and documenting Class diagram ● Creating two sequence diagrams about "Login" and "Registration" ● Creating Responsibility Assignment Matrix (RAM) ● Creating the project plan for what we have done so far ● Preparing the questions to be asked in the customer meeting ● Taking notes of customer meeting #1 and customer meeting #2 ● Documenting summary of customer meetings
Ufuk Arslan	● Initializing our Slack workspace ● Searching for popular Github repositories and documenting one ● Creating my personal wiki page ● Deciding and creating issue labels ● Creating Slack channels for each type of task and keeping them up to date ● Creating the domain analysis feature table and filling it according to my analysis ● Contributing to the questions to be asked in the customer meetings ● Identifying and documenting system requirements ● Creating the mockups for "Creating Community" scenario ● Designing and documenting class diagram ● Preparing sequence diagram for "Posting Content" ● Documenting "Moving Forward" section of executive summary.

Halil Baydar	● Creating my personal wiki page ● Creating our team communication plan table ● Repository research and documenting it ● Opening a poll issue about deciding the date of team meeting ● Participating weekly meeting ● Opening two issues which are about updating the readme page and creating a template for future issues ● I have searched similar project such as websites, applications,etc and mafe a comparision among them. ● We had discussions about user requirements and specified them by categorizing with my teammates ● Documenting user roles ● Preparing questions ● Updating communication plan ● Participating in the Client Meeting ● Meeting with the mockup team in order to make a decision which platform should be selected and create a template of mockups for consistency ● I took the notes of the weekly meeting ● Documenting the weekly notes ● Drawing the Create Post ● Opening issues about taking note of the client meeting ● Participating in the use case diagram meeting to discuss the main points ● Drawing the use case diagram ● Drawing the message channel ● Documenting the responsibility assignment matrix (RAM) ● Creating future project plan
Burak Onur Duman	● Researching popular GitHub repositories ● Creating a personal wiki page template and a blank personal wiki page for each member ● Documenting Meeting Notes #2 ● Identifying and documenting user requirements ● Identifying a list of questions to be asked in the customer meeting ● Designing and documenting the class diagram ● Creating a scenario about "Posting Content" ● Creating a sequence diagram about "Reporting Comments" ● Updating the requirements based on the discussions / feedbacks on the diagrams ● Evaluating the tools and the processes and reporting these in the milestone report
Orhun Görkem	● Research and documentation about Git ● Seeking for popular Git repositories ● Documenting non-functional requirements ● Reviewing and updating other requirements according to feedback ● Deciding on the terms that need to be explained and giving definitions in glossary ● Preparing questions to ask in customer meeting ● Updating README to add project description ● Designing and documenting Scenario #3 ● Creating use case diagrams ● Creating sequence diagram for “Creating Data Type” ● Preparing the project plan until milestone 1
Bekir Keldal	● Exploring popular Github repositories ● Creating meeting notes template ● Creating my personal wiki page ● Creating template for member wiki pages ● Performing a domain analysis for the project ● Creating effort tracking table template ● Preparing questions to ask in customer meeting ● Identifying and documenting the system requirements ● Designing and documenting Scenario #5 ● Designing some of the use case diagram ● Creating sequence diagram for “Like Post”

	● Filling out the Responsibility Assignment Matrix ● Documenting meeting notes #7
Kutay Saran	● Research and documentation about Github repositories ● Customizing my personal wiki page ● Designing a meeting note template ● Deciding and documenting non-functional requirements ● Preparing questions to ask in the costumer meeting ● Creating an issue template ● Creating the mockups for Scenario #5 ● Drawing use case branches for Community Moderator ● Preparing sequence diagram for "Edit Profile Page" ● Gathering the deliverables we have worked on so far and documenting them for "Deliverables" part of milestone report
Sevde Sarıkaya	● Searching for an interesting Github repository and documenting it ● Customizing my personal wiki page ● Designing Wiki Home Page ● Deciding and documenting the system requirements ● Preparing questions to ask in customer meeting ● Creating the template for web mockups (background, search bar etc.) ● Creating the mockups for Scenario #3 ● Drawing some parts of the use case branches (Login, Logout, Reset Password, Registration, Delete Account.) ● Designing the sequence diagram for "Change Notifications" ● Documentation of the meeting notes #6 ● Creating the project plan for the tasks we've done so far
Abdurrahman Emre Yılmaz	● Creating my own personal wiki page ● Updating wiki home page and sidebar ● Documentation of the meeting notes #5 ● Researching and documenting github repository example and review of other repository examples ● Review of issue labels decision task ● Creating requirements page and customizing style of the page ● Identifying and documenting user requirements section with sub-group ● Writing User Interaction sub-section of user requirements ● Identifying and adding questions to ask customer at meeting ● Documentation feedbacks from customer ● Review of Requirements ● Creating mock-up for user scenario #4 ● Review of user scenarios and mock-ups ● Designing and creating class diagram with sub-group ● Writing the fields and functions of community class ● Modifying project plan according to possible future tasks ● Writing and documenting project description part of milestone report #1

Deliverables

Communication Plan

Tool	Attandence	Purpose	When	Where
Slack	Team Members	In order to discuss the project details outside face-to-face meeting time	Whenever needed	Mobile App
Google-Meet	Team Members	Evaluation of the process, distributing tasks, making decisions weekly on new plans	Every wednesday at 9 pm	Web
Whatsapp	Team Members	Not an official channel, just for daily communication	All-time	Mobile App
Slack	Subteam Members	To discuss sub-tasks	Whenever needed	Mobile App

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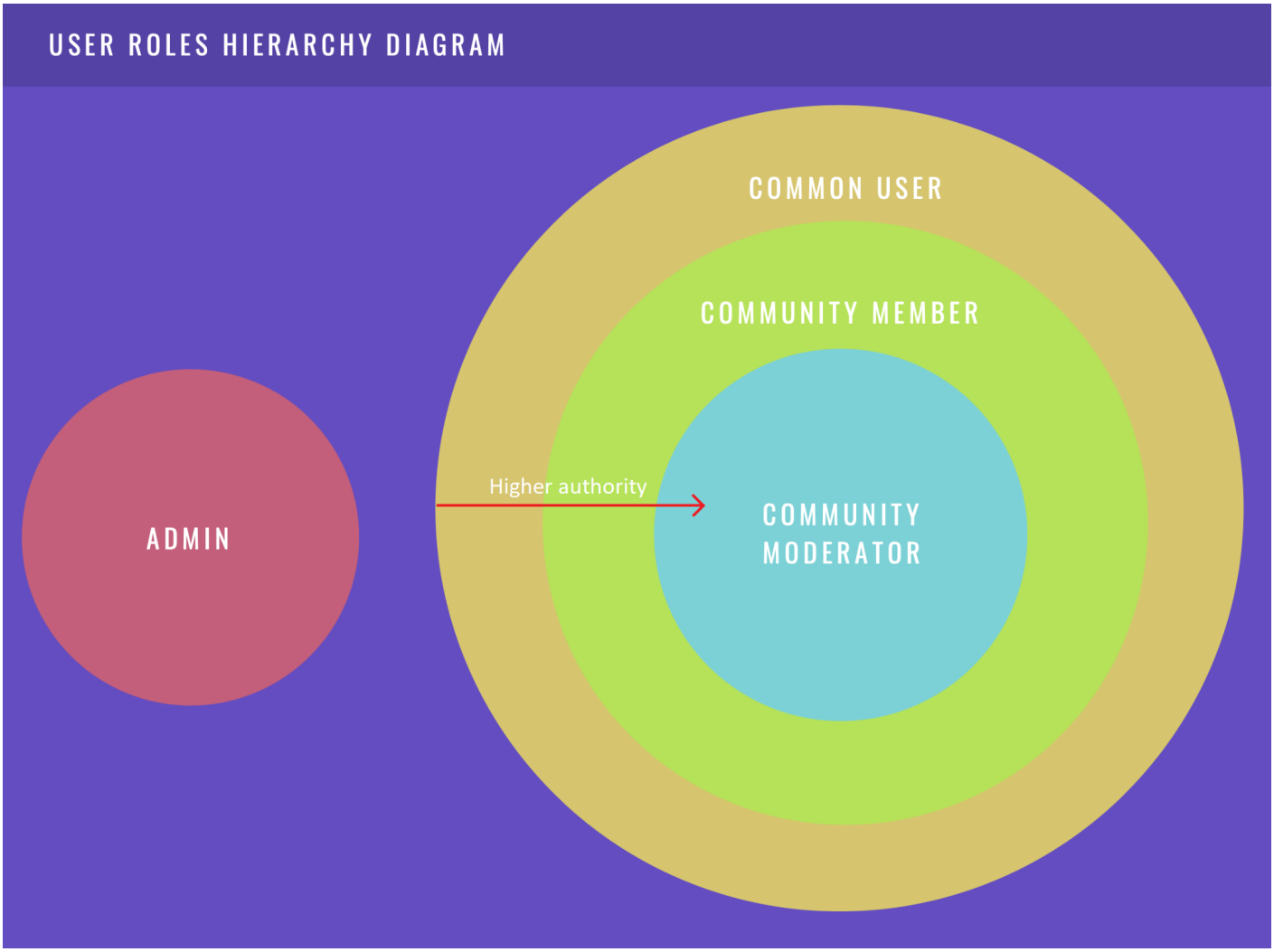
Project Requirements

Glossary

- **Account**: The whole structure that keeps the necessary data of users including username, password, communities, and posts, etc.
- **Admin:** A person who has special privileges and responsible for sustaining the system.
- **Alphanumeric:** A combination of alphabetical and numerical characters.
- **Attributes:** The features stored in data types.
- **Basics:** The collection of topics and features that are shared commonly in many platforms in the domain of our application.
- **Block:** Cutting up all the relationship with another user including following, viewing profile or private messaging.
- **Comment:** Text written by a user under a post.
- **Common User:** A registered user who has access to basic functionalities of the system without even joining a community.
- **Community:** A hub for sharing information among a group of members that have a common interest.
- **Community Member:** A person who is a member of a community.
- **Community Moderator:** A person who is the creator of the community or assigned by the moderator of the community and responsible for moderating the community.

- **Copyright content:** The content that needs to be protected from replication of its original properties.
- **Database:** The structured set of data keeping everything about our application.
- **Data type:** The format and structure of posts about various topics in communities.
- **Discussion:** A post that enables the exchange of information between users.
- **Downtime:** The time during which the IT system is unavailable for service.
- **Event:** An activity that will take place at a specific time and place.
- **Follow:** The action of subscribing to see other's posts and getting notifications about them.
- **Home page:** An introductory page that contains trending posts, posts of followed users/communities etc.
- **Join:** The action of subscribing to see community's posts, get notifications about them, and post new content.
- **Mute:** Partially blocking another user or community to avoid seeing its new posts in home page or getting notifications from it without ending the relationship.
- **Notification:** The updates that are signaled to the user in some special cases like user interactions, upcoming events, etc.
- **Offensive:** The unacceptable acts of users in terms of violence or discrimination.
- **Password:** A string of characters to log into the application.
- **Post:** A content that is uploaded to the platform and corresponds to a chosen data type.
- **Privacy of community:** Accessibility of community content to users, can be private or public.
- **Privacy of user:** Users' preferences on whether their profile is private or public.
- **Private community:** Community that is available to access for invited members.
- **Profile:** A page that is associated with a specific user and provides personal information.
- **Public community:** Community that is available to access for any user.
- **Read-only:** A data that is available for viewing but not modification.
- **Recommendation:** System that suggests posts and communities based on the preferences of the user.
- **Registered User:** A person who has completed the signup process.
- **Registration:** The official procedure to create an account in the application.
- **Report:** Filing a complaint against a user or post.
- **Response time:** The duration until the system responds to a user request.
- **System:** The entire application with all features and implementation, for both web and Android.
- **Search bar:** The structure that users make use of when they want to look for other users, communities, or keywords.
- **Privacy Policy and User Agreement:** The collection of ground rules and commitments that users need to agree on before registering into the application.
- **Tag:** A descriptive phrase that can be attached to any post.
- **User:** Anyone who benefits from the platform as a registered or admin.
- **Username:** The unique string for user identification.
- **User interaction:** Any means of communication that occurs between users.
- **User roles:** A title that defines the user's status and accessible actions on the platform.
- **Wikidata:** A free knowledge base that can be accessed and edited by everyone.
- **Visible:** Eligible to view, not concealed.


USER ROLES HIERARCHY DIAGRAM
COMMON USER
COMMUNITY MEMBER
ADMIN
Higher authority
COMMUNITY MODERATOR

Functional Requirements

User Requirements

- **1.1. Basics**

➢ **1.1.1. Registration**
- **1.1.1.1.** Users shall register by providing a valid username, e-mail address, and password.
- **1.1.1.2.** After completing step 1.1.1.1, users shall validate their e-mail addresses to complete the registration process.
- **1.1.1.3.** Users should also be able to join with their Google or Facebook accounts.

➢ **1.1.2. Login/Logout**
- **1.1.2.1.** Users shall be able to log in via their registered username/e-mail address and password.
- **1.1.2.2.** Users should also be able to login with their provided Google or Facebook accounts.
- **1.1.2.3.** Users shall be able to log out after logging in.

➢ **1.1.3. Account Management**
- **1.1.3.1.** Users shall be able to reset their passwords.
- **1.1.3.2.** Users' accounts shall be deleted if they behave offensively.
- **1.1.3.3.** Users should be able to delete their accounts.

➢ **1.1.4. Profile**
- **1.1.4.1.** Users shall have a profile page.
- **1.1.4.2.** Users shall have their usernames and default grey picture on their profile pages.
- **1.1.4.3.** Users shall be able to add profile pictures to their profile pages.
- **1.1.4.4.** Users shall be able to add their personal information such as bio and birthdays to their profile pages.
- **1.1.4.5.** Users shall be able to edit the content of their profile pages.
- **1.1.4.6.** Users shall have public profiles as default.
- **1.1.4.7.** Users shall be able to change the privacy setting (public or private) of their birthdays, profile pictures, and bio.

➢ **1.1.5. Home**
- **1.1.5.1.** Users shall filter, search and view posts of related communities on the home page.

- **1.2. Community**

➢ **1.2.1 Search & Filter**
- **1.2.1.1.** Users shall be able to search for communities using a search bar.
- **1.2.1.2.** Users shall be able to filter communities as implied in 2.4.3.
- **1.2.1.3.** Users shall be able to search for posts using a search bar.
- **1.2.1.4.** Users shall be able to filter posts as implied in 2.4.4.
- **1.2.1.5.** Users shall be able to search for a data type using a search bar.
- **1.2.1.6.** Users shall be able to filter data types as implied in 2.4.4.

➢ **1.2.2 Joining**
- **1.2.2.1.** Users shall be able to join communities to be able to post content and receive notifications about updates.
- **1.2.2.2.** Users shall be able to turn on or off notifications.
- **1.2.2.3.** Users shall be able to invite their friends to the community.

➢ **1.2.3 Posting Content**
- **1.2.3.1.** Users shall be able to share posts on communities.
- **1.2.3.1.1.** Users shall be able to select a data type for their posts such as events, discussions, etc.
- **1.2.3.1.2.** Users shall be able to include content such as images, links, text, etc. in posts.
- **1.2.3.2.** Users shall be able to add tags to their posts.
- **1.2.3.3.** Users shall be able to create new data types.
- **1.2.3.3.1.** Users shall be able to define multiple attributes for data types.
- **1.2.3.4.** Users shall be able to see data types that exist in a community as a list.

➢ **1.2.4 Liking & Commenting**
- **1.2.4.1.** Users shall be able to comment on posts.
- **1.2.4.2.** Users shall be able to filter comments as implied in 2.4.5.

- **1.2.4.3.** Users shall be able to reply to comments on posts.
- **1.2.4.4.** Users shall be able to like posts on communities.
- **1.2.4.5.** Users shall be able to like comments on posts.

➢ **1.2.5 Reporting**
- **1.2.5.1.** Users shall be able to report offensive & inappropriate posts.
- **1.2.5.2.** Users shall be able to report offensive & inappropriate comments.

➢ **1.2.6 Creating**
- **1.2.6.1.** Users shall be able to create a community with a unique community name.
- **1.2.6.2.** Users shall be able to add a picture for the community.
- **1.2.6.3.** Users shall be able to add a description to the community.
- **1.2.6.4.** Users shall be able to set the privacy of the community as public or private.
- **1.3. User Interaction**

➢ **1.3.1. Search & Filter**
- **1.3.1.1.** Users shall be able to search for other users' profiles as 2.4.1 implies.
- **1.3.1.2.** Users shall be able to filter their search results on users' profiles as 2.4.2 implies.
- **1.3.1.3.** Users shall be able to sort their search results.
- **1.3.1.4.** Users shall be able to choose to view other users' profiles which are listed as search results.

➢ **1.3.2. Profile View & Follow**
- **1.3.2.1.** Users shall be able to view other users' private profiles which they follow and other users' public profiles.
- **1.3.2.2.** Users shall be able to choose to follow other users' public profiles.
- **1.3.2.2.1.** Users who have public profiles should get notifications when they are followed by other users.
- **1.3.2.3.** Users shall be able to send a request to other users who has private profiles, to follow their profiles.
- **1.3.2.3.1.** Users who have private profiles should get notifications when they are requested to get followed by other users.
- **1.3.2.4.** Users shall be able to unfollow users which they follow already.
- **1.3.2.5.** Users shall be able to block other users to restrict them from seeing their profiles and following their profiles.
- **1.3.2.6.** Users shall be able to block other users to avoid seeing their posts and profiles.
- **1.3.2.7.** Users shall be able to mute other users or communities.

➢ **1.3.3.Private Messaging**
- **1.3.3.1.** Users shall be able to message other users.
- **1.3.3.1.1.** Users should get notifications when they got messages from other users as 2.2.1 implies.
- **1.3.3.2.** Users shall be able to block other users to restrict them from sending messages to them.

➢ **1.3.4. Reporting**
- **1.3.4.1.** Users shall be able to report other users who are behaving inappropriately.
- **1.3.4.2.** Users shall be able to report community moderators.
- **1.4. User Roles**

➢ **1.4.1. Common Users**
- **1.4.1.1.** Common users shall complete the registration process as 1.1.1 implies.
- **1.4.1.2.** Common users shall be able to view public user-profiles and community content read-only.
- **1.4.1.3.** Common users shall be able to use searching functionality.
- **1.4.1.4.** Common users shall be able to log in/log out as explained in 1.1.2.
- **1.4.1.5.** Common users shall be able to manage their accounts as 1.1.3 implies.
- **1.4.1.6.** Common users shall have a profile page as explained in 1.1.4.
- **1.4.1.7** Common users shall be able to join public communities directly.
- **1.4.1.8** Common users shall be able to send a request to join private communities.

➢ **1.4.2. Community Members**
- **1.4.2.1.** Community members shall be able to have all the privileges of a common user.
- **1.4.2.2.** Community members shall be able to post content as explained in the 1.2.3 section except 1.2.3.3.

➢ **1.4.3. Community Moderators**
- **1.4.3.1.** Community moderators shall be able to have all privileges of community members.
- **1.4.3.2.** Community moderators shall be able to create data types as explained in 1.2.3.3.

- **1.4.3.3.** Community moderators shall be able to review reports.
- **1.4.3.4.** Community moderators shall be able to remove posts, comments, users from their communities.
- **1.4.4.2.** Community moderators shall be able to assign a new moderator.
- **1.4.4.3.** Community moderators shall be able to change the community between public & private.
- **1.4.4.4.** Community moderators shall be able to close their communities.

➢ **1.4.4 Admin Users**

- **1.4.5.1.** Admin shall be able to have all privileges of community moderators.
- **1.4.5.2.** Admin shall be able to delete communities and also delete/block users.

System Requirements

2.1. Recommendation

- **2.1.1.** The system shall recommend communities and posts to users based on the communities they are member of and the posts they like.
- **2.1.2.** The system shall provide trending posts and communities to users.
- **2.1.3.** The system shall recommend the posts of followed users.
- **2.1.4.** The system shall recommend the communities of followed users.

2.2. Notification

- **2.2.1.** The system shall notify users when they get private messages.
- **2.2.2.** The system shall notify users when their posts get a like/dislike.
- **2.2.3.** The system shall notify users when someone comments on their posts.
- **2.2.4.** The system shall notify community moderators when a user requests to join their private communities.
- **2.2.5.** The system shall notify users when someone posts in a community they are a member of.

2.3. Community

- **2.3.1.** The system shall disable users if they try to perform unauthorized actions.
- **2.3.2.** The system shall allow community members to organize an event.
- **2.3.3.** The system shall highlight the posts in a community based on their popularity.
- **2.3.4.** The system shall allow community moderators to create new data types.
- **2.3.5.** The system shall not allow duplicate community names.

2.4. Searching / Filtering / Sorting

- **2.4.1.** The system shall have a semantic search mechanism.
- **2.4.2.** The system shall allow users to sort other users by number of followers and filter by their communities.
- **2.4.3.** The system shall allow users to sort communities by number of members, number of posts and filter by tags.
- **2.4.4.** The system shall allow users to sort posts by number of likes, date and filter by data types and tags.
- **2.4.5.** The system shall allow users to sort comments by number of likes and date.
- **2.4.6.** The system shall categorize search results as best results, communities, users and posts.

2.5. Security

- **2.5.1.** In the case of a log in attempt from a different device, system should send a verification code to the e-mail address of the account owner.
- **2.5.2.** In the case of a password change attempt, system should send a verification code to the e-mail address of the account owner.

Non-Functional Requirements

3.1. Security

- **3.1.1.** User names and e-mails for registrations shall be valid and unique for each user.
- **3.1.2.** Passwords shall be 8-16 characters long and must not contain special characters.
- **3.1.3.** Passwords shall be encrypted with **SHA-256** before being stored in a database.

3.2. Privacy

- **3.2.1.** System shall obey the rules defined by **GPDR** and **KVKK.**
- **3.2.2.** System should provide the mechanisms to preserve the uniqueness of Copyright contents.
- **3.2.3.** Users must agree to Privacy Policy and User Agreement before registration.

3.3. Performance and Reliability

- **3.3.1.** Respond times shall not exceed 3 seconds.
- **3.3.2.** If an error occurs, the problem should be fixed within an hour.
- **3.3.3.** Downtime occurrence shall not be more than once in a month.
- **3.3.4.** The platform shall support up to 10000 simultaneous users. This number should be scalable when necessary.

3.4. Accessibility and Availability

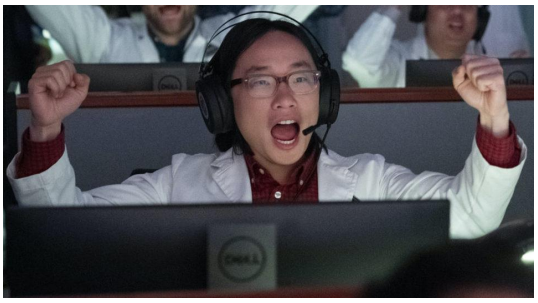
- **3.4.1.** System shall be accessed via Android based mobile application and web application compatible with modern browsers.
- **3.4.2.** Platform should support the English language.
- **3.4.3.** Platform should support all **ASCII** symbols and Turkish symbols.

3.5. Standards

- **3.5.1.** The implementation should obey the guidelines of **W3C Activity Stream Standard 2.0.**
- **3.5.2.** The semantic taggings should be supported with **Wikidata.**

User Scenarios and Mockups

Scenario & Mockup #1: Creating Community



Persona

- **Satoshi Yılmaz**
- **25 years old**
- **Computer Engineer**
- **Interested in Cryptocurrencies**
- **Sushi lover**
- **User**

Story

- **Satoshi is born to a Turkish father and Japanese mother and living in Turkey.**
- **He is working as a software developer and looking to buy a new computer.**
- **Seeing that GPU prices are very high, he thinks that he needs to find another way to pay for his GPU.**
- **Being a long-time lurker of cryptocurrencies, he finally decides that it is time to invest.**
- **While he is searching for a coin to invest in, he sees his favorite food as a coin, SUSHI.**
- **However, he does not know if this is a smart investment option so he decides to join a community for some opinion.**
- **After searching a community for SUSHI, he realizes that there is not any yet.**
- **At this point, he re-thinks it if SUSHI is the right investment. Nevertheless, he decides to create the community himself.**

Preconditions

- **Satoshi is a registered user of the application.**
- **Satoshi logged in to the application.**

Goals

- **Satoshi wants to connect to other people who are interested in the SUSHI coin.**
- **Satoshi wants to create a community where he can discuss the future of the SUSHI coin and hear the news about it.**

Acceptance Criteria

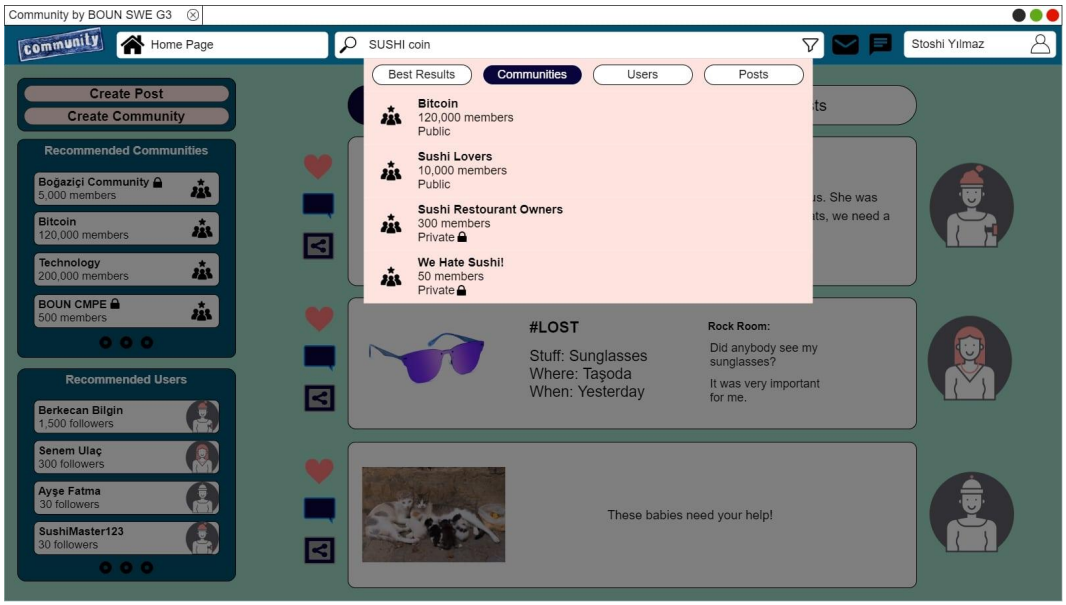
- **(1.2.1.1.) Users shall be able to search for communities using a search bar.**
- **(1.2.6.1.) Users shall be able to create a community with a unique community name.**
- **(1.2.6.2.) Users shall be able to add a picture for the community.**
- **(1.2.6.3.) Users shall be able to add a description to the community.**
- **(1.2.6.4.) Users shall be able to set the privacy of the community as public or private.**
- **(1.2.2.3.) Users shall be able to invite their friends to the community.**

Scenario

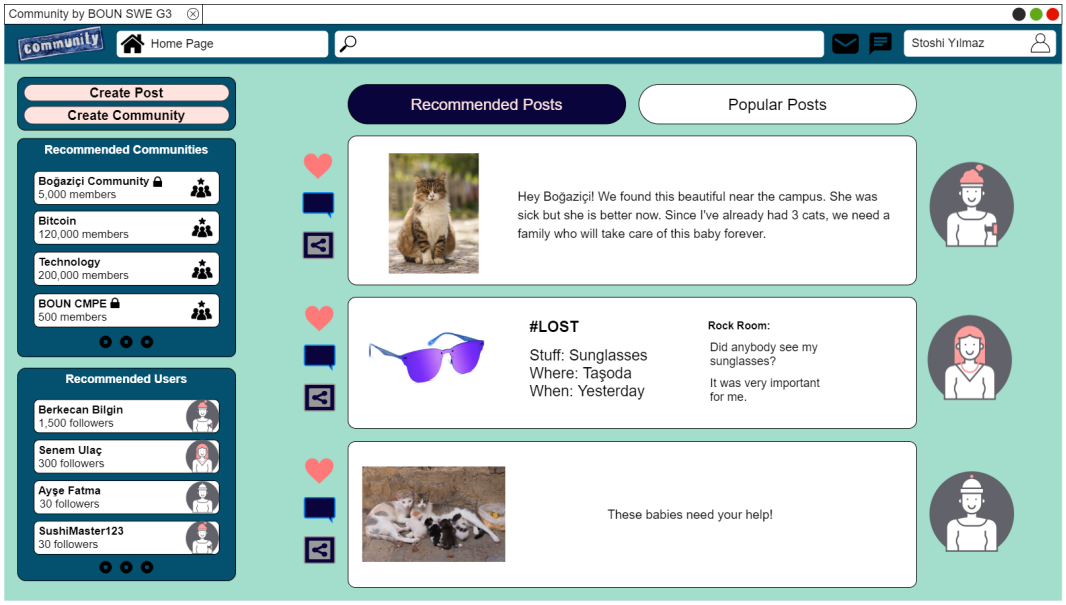
1. **Satoshi searched for the SUSHI coin community using the search bar.**
2. **In the search results, Satoshi could not find any community related to the SUSHI coin.**
3. **He decides to create the community himself to discuss the future of the SUSHI coin and hear the news about it.**
4. **He presses the "Create a new community" button.**
5. **He enters necessary information such as community name, description.**
6. **He selects the community as public from the community types section.**
7. **He selects a picture for the community.**
8. **Finally, he pressed the "Create" button to create the community.**
9. **On the community home page, he presses the "Invite" button to get a link for inviting his friends.**

Mockup

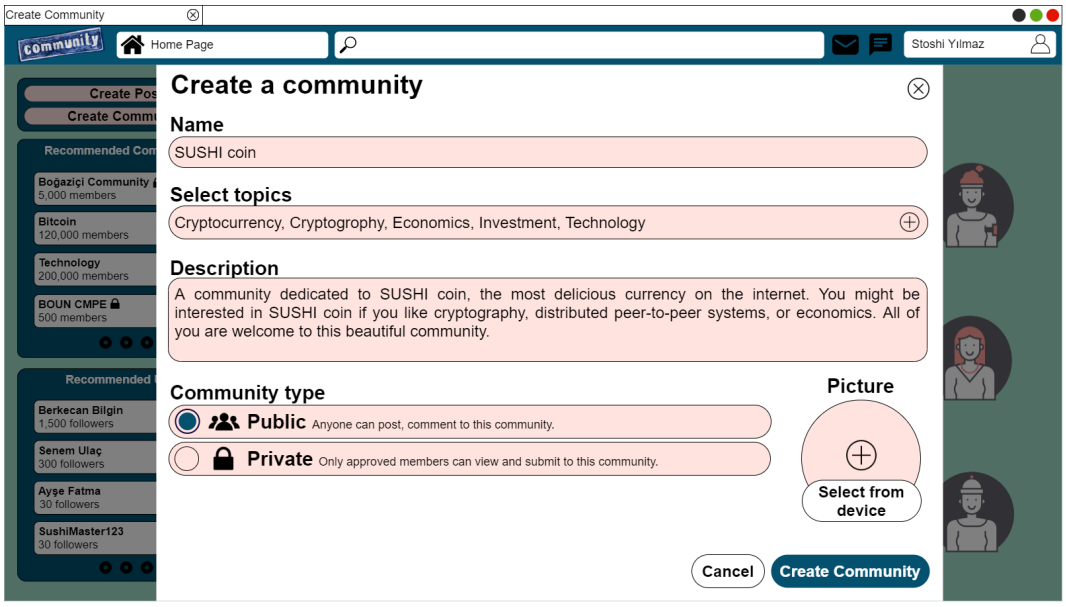
1-Satoshi searched for the SUSHI coin community using the search bar. In the search results, Satoshi could not find any community related to the SUSHI coin.



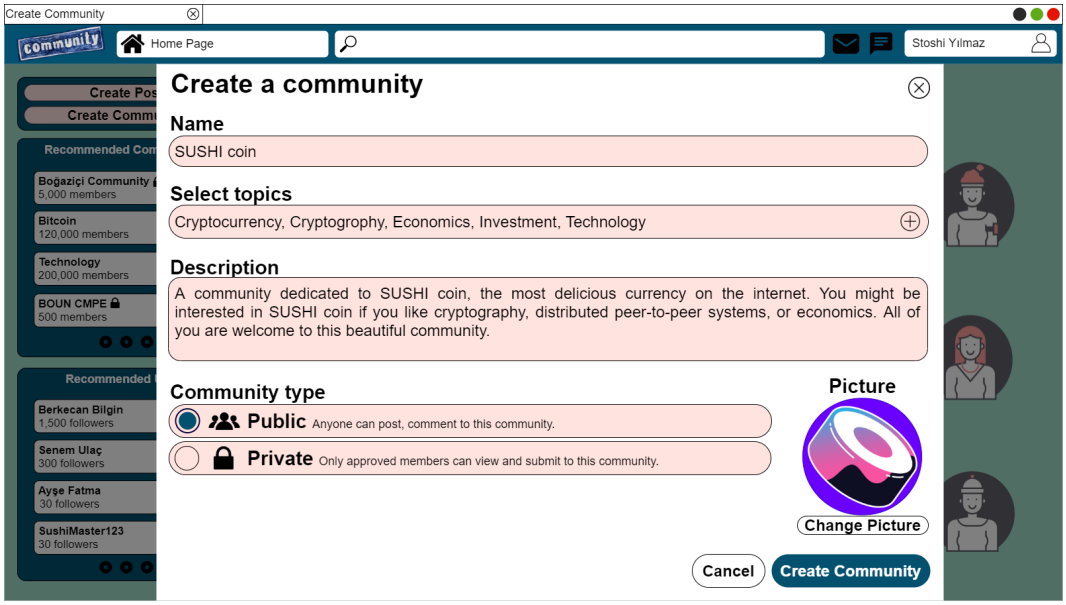
2-He decides to create the community himself. He presses the "Create community" button.



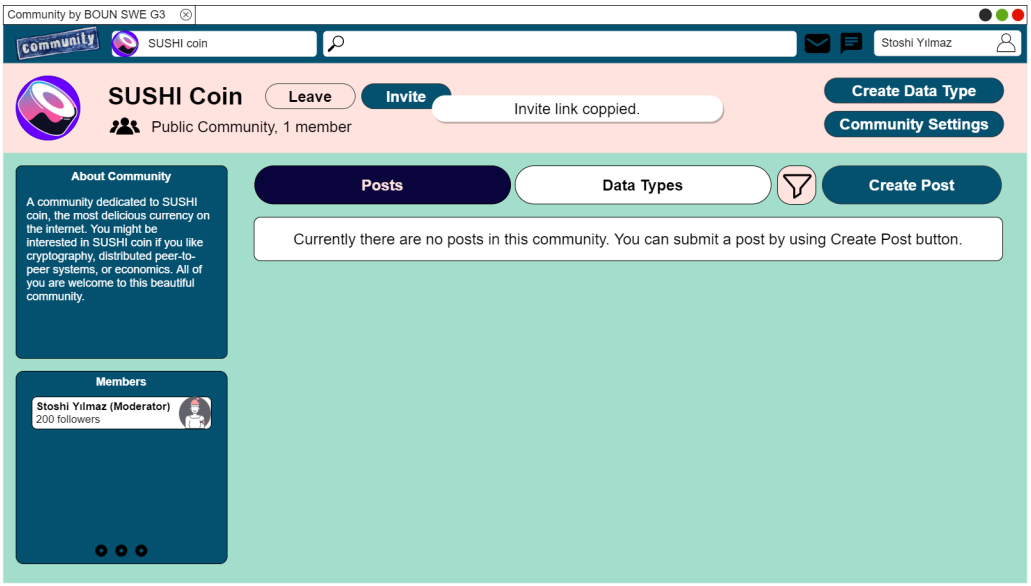
3-He enters necessary information such as community name, description. He selects the community as public from the community types section.



4-He selects a picture for the community. Finally, he pressed the "Create Community" button to create the community.



5-On the community home page, he presses the "Invite" button to get a link for inviting his friends.



Scenario & Mockup #2: Posting Content

Persona

- **Lenny Wosniak**
- **55 years old**
- **A fellow high school teen**
- **Interested in skateboarding**

Story

- **Lenny recently got into skateboarding and he loves it.**
- **He wants to interact with other people who are also interested in skateboarding.**
- **He looks for a skateboarding community in our website.**
- **He finds a popular skateboarding community and joins it.**
- **He has a skateboarding event idea that he wants to share with others.**
- **He creates a skateboarding event post based on a already created data type and shares it in the community.**

Preconditions

- **Lenny is already a registered user of our website.**
- **Lenny is already signed in to the website.**

Goals

- **Lenny wants to join a community in which he can interact with other skateboarders.**
- **Lenny wants to create and share a skateboarding event.**

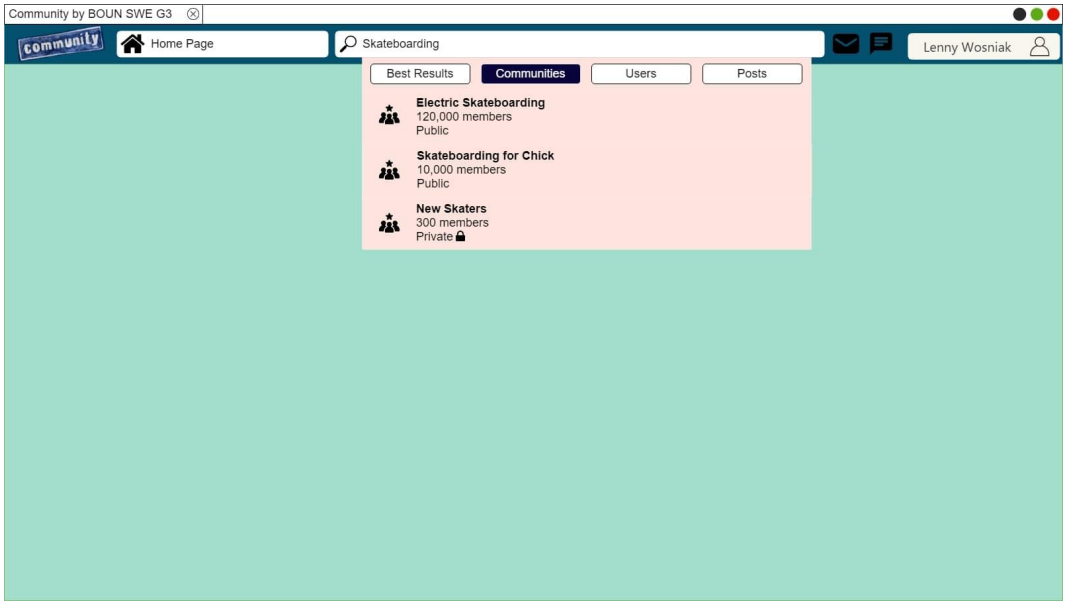
Acceptance Criteria

- **(1.2.1.1.) Users shall be able to search for communities using a search bar.**
- **(1.2.2.1.) Users shall be able to join communities to be able to post content and receive notifications about updates.**
- **(1.2.3.1.) Users shall be able to share posts on communities.**
- **(1.2.3.1.1.) Users shall be able to select a data type for their posts.**

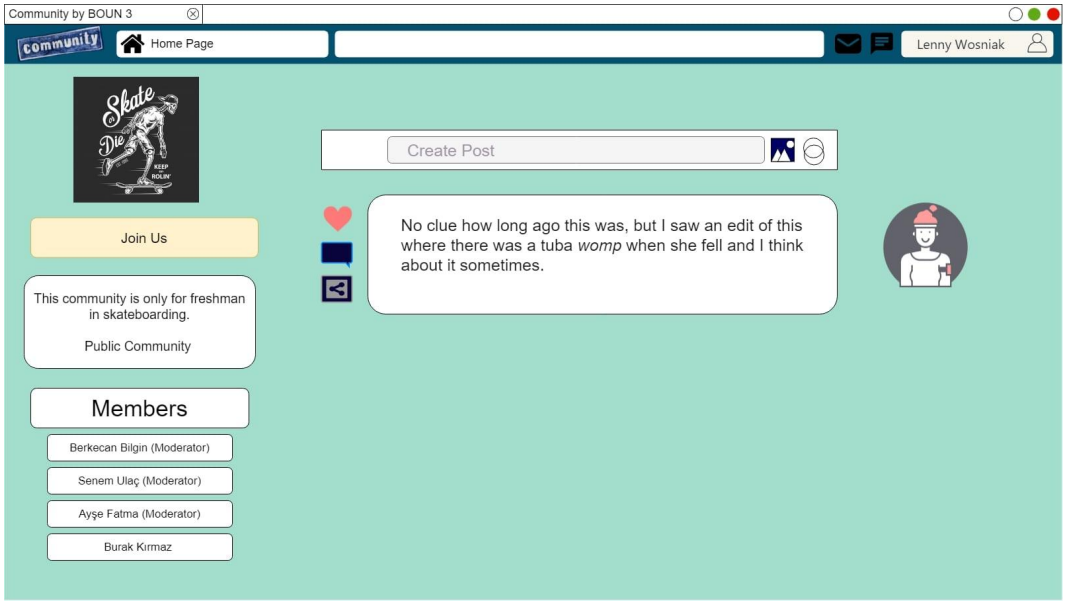
Scenario & Mockup

- **Lenny opens up the website and types "skateboarding" in the search bar.**
- **In the search results, he sees a popular skateboarding community and clicks it.**
- **In the community page, he clicks the "Join" button and joins the community.**
- **After joining, he clicks "Create New Post" button to create and share his event idea.**
- **In the post creation screen, he selects the "Event" data type.**
- **He fills out necessary information such as event name, time, location, description.**
- **He clicks the "Share" button and completes creating his event post.**

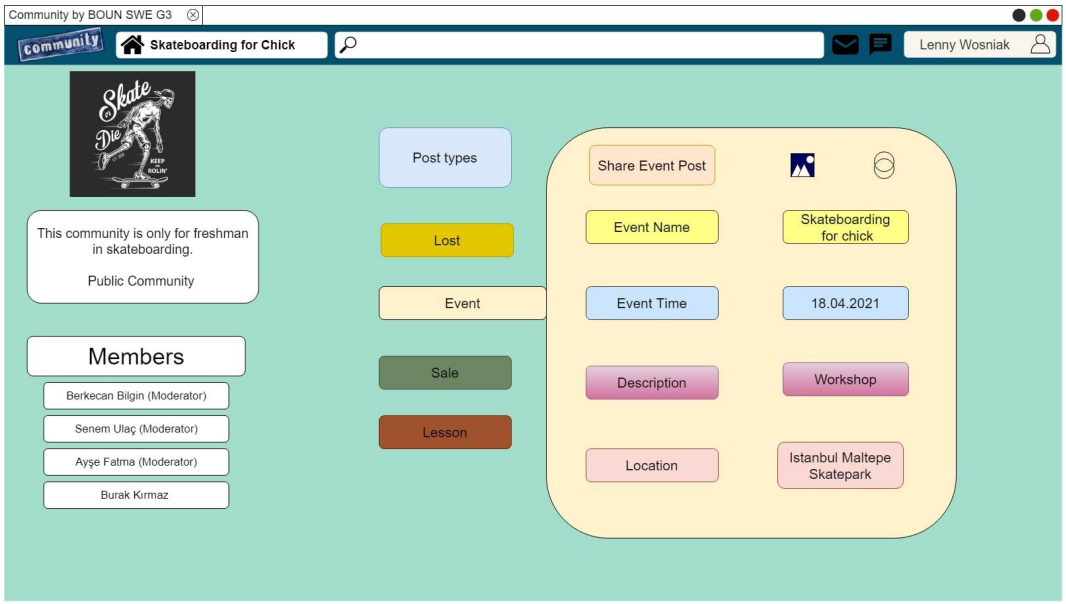
Search Community



Join Community



Create Post



Scenario & Mockup #3: Creating Data Type

Persona

- **Berkecan Bilgin**
- **22 years old**
- **Student at Boğaziçi University Sociology department**
- **Social leader**
- **Gemini**
- **Animal lover**

Story

- **Berkecan is a very interactive student in university. He participates in many events both social and academical.**
- **He is also a member of Boğaziçi University Community in our application. He thinks that the community is very helpful as it brings a continous data flow about various topic considering the university.**
- **However, he also thinks that this community could be better if the posts were more structured and classified.**
- **He decides that it is time to be a moderator in community and make some serious contribution.**
- **At the end of the elections, he is proudly selected as one of the moderators.**
- **What would be the first thing to do? Of course, creating new data types for frequently mentioned topics.**
- **The first example of those topics is pet adoption. He sees lots of people are trying to give or adopt pets temporally or permanently.**
- **He decides to create a data type for adopting animals.**

Preconditions

- **Berkecan is a registered user of the application.**
- **Berkecan logged in to the application.**
- **Berkecan is a member of the corresponding community.**
- **Berkecan is a moderator in the community.**

Goals

- **Berkecan wants the community to keep more structured data.**
- **Berkecan wants to fit pet adoption posts into same format.**
- **Berkecan wants pet adoption posts to be found easily.**

Acceptance Criteria

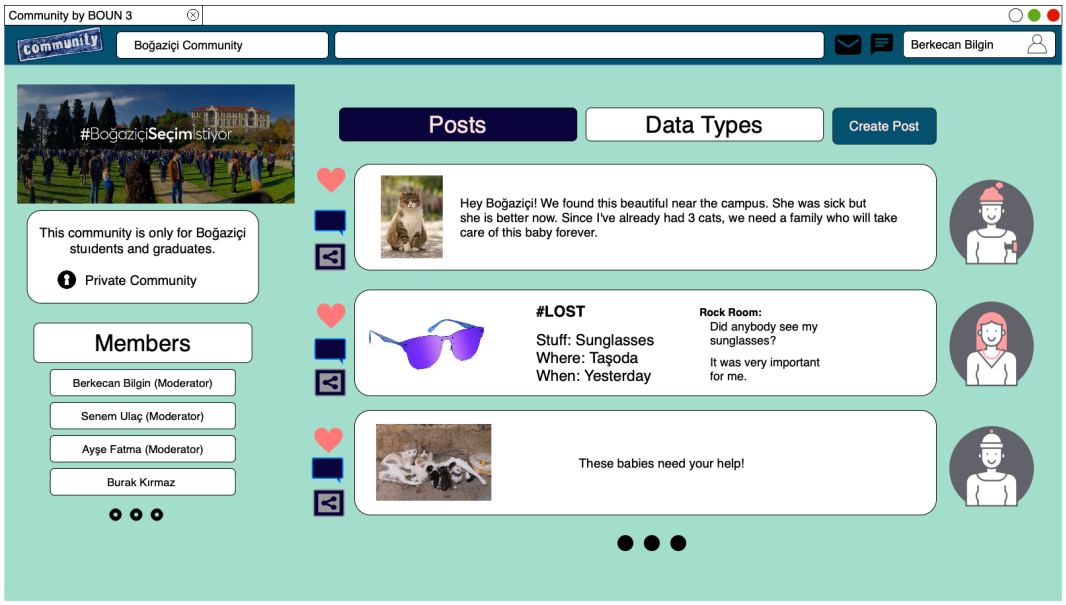
- **(1.2.3.1.1.) Users shall be able to select a data type for their posts.**
- **(1.2.3.5.) Users shall be able to create new data types.**
- **(1.2.3.5.1.) Users shall be able to define multiple attributes for data types.**
- **(1.2.3.6.) Users shall be able to see data types that exist in a community as a list.**

Scenario

1. **Berkecan opens the page of Boğaziçi Community.**
2. **He encounters many random pet adoption posts.**
3. **He looks at the data types of the community and sees that there is no pet adoption category.**
4. **He clicks to "Create data type" button.**
5. **He enters the name of new data type.**
6. **He enters attribute names for the data type which are type, age, and location of the pet and adoption status (permanent/temporary/etc.) for example.**
7. **He also selects number of images in pet adoption posts.**
8. **Then he clicks to "Create" button.**
9. **After this, users are going to be able to post pet adoption posts with the structure determined by Berkecan.**

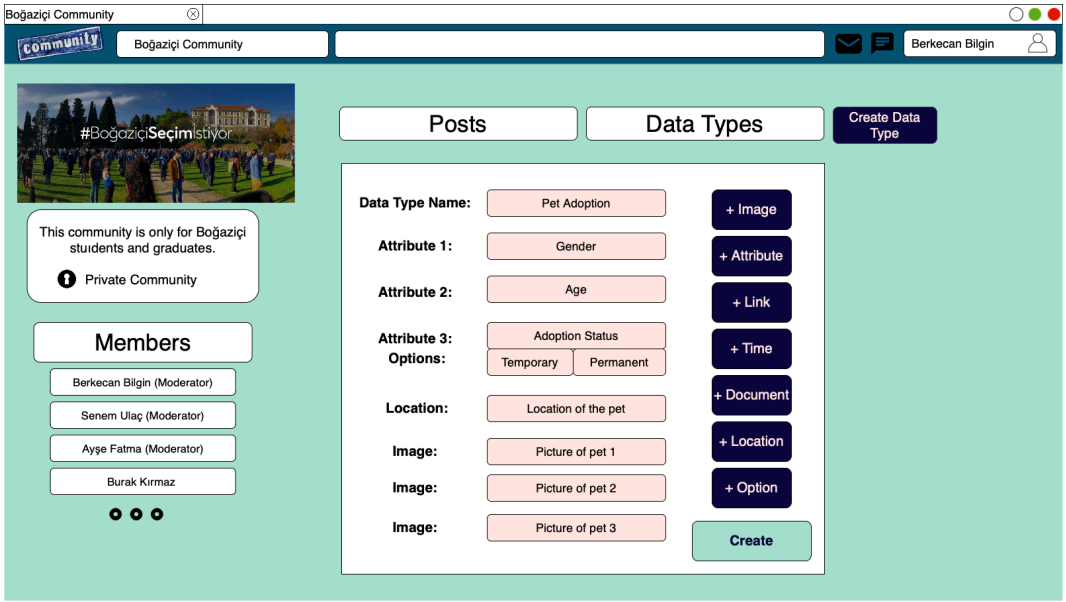
Mockup

1-He sees the posts on Boğaziçi Community.

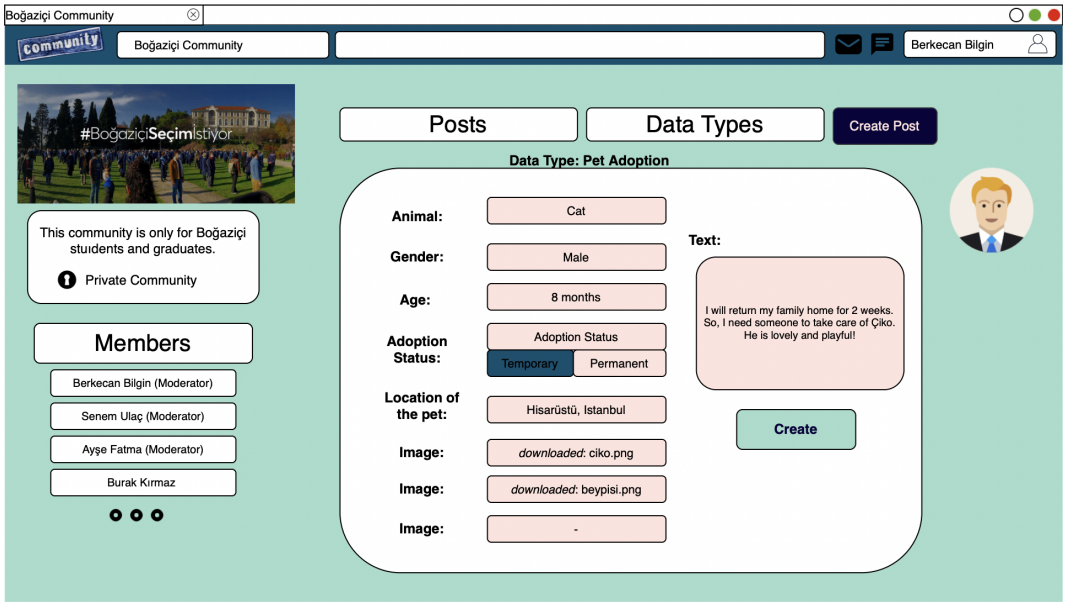


2-He looks at the data types of the community.

3-He creates "Pet Adoption" data type.



4-Now, all members are able to post pet adoption posts with the structure created by Berkecan.



Scenario & Mockup #4: Searching and Filtering

Persona

- **Enes Durak**
- **13 years old**
- **Student at Atatürk Secondary School**
- **Chess prodigy**

Story

- **Enes is a 6th grade student at Atatürk Secondary School.**
- **He is a member of Chess Student Club of his school.**
- **Enes is ambitious and likes challenges.**
- **He is bored of winning all matches in the school club.**
- **He wants to attend to global tournaments and win a championship.**
- **His role model is Fabiano Caruana.**
- **He decides to find a tournament from our platform by looking posts of his role model.**

Preconditions

- **Enes is a registered user of our platform.**
- **Enes has already logged in to the platform from the mobile application.**

Goals

- **Enes wants to attend an online chess tournament.**
- **Enes wants to find a tournament event posted by a chess grandmaster from his mobile phone.**

Acceptance Criteria

- **(1.3.1.1.) Users shall be able to search for other users' profiles as 2.4.1 implies.**
- **(1.3.1.2.) Users shall be able to filter their search results on users' profiles as 2.4.2 implies.**
- **(1.3.1.3.) Users shall be able to sort their search results.**
- **(1.4.1.2.) Common users shall be able to view public user-profiles and community content read-only.**
- **(1.4.1.3.) Common users shall be able to use searching functionality.**

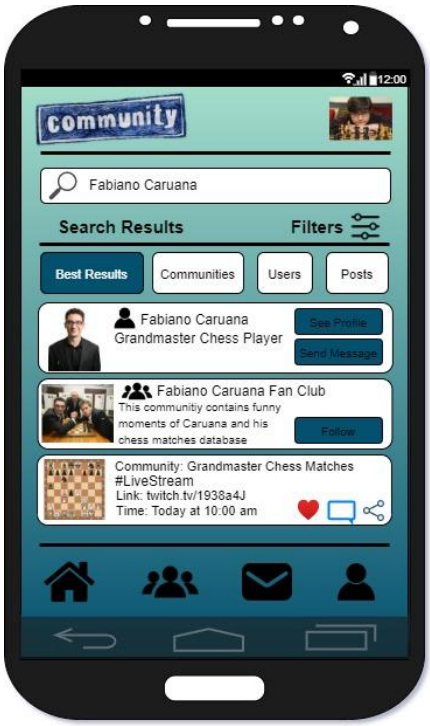
Scenario

1. **Enes opens the home page from the mobile application.**
2. **Enes types "Fabiano Caruana" to search bar.**
3. **He sees the related users, public posts and communities as result.**
4. **Enes filters posts by "tournament" data type.**
5. **Enes sorts filtered posts by date.**
6. **Enes sees the filtered search results.**
7. **He clicks on a tournament and sees its content and comments.**

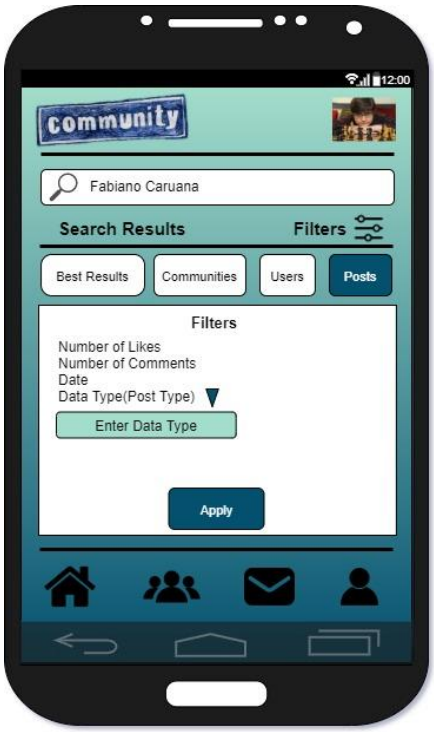
Mockup

1-Enes opens the home page from the mobile application.

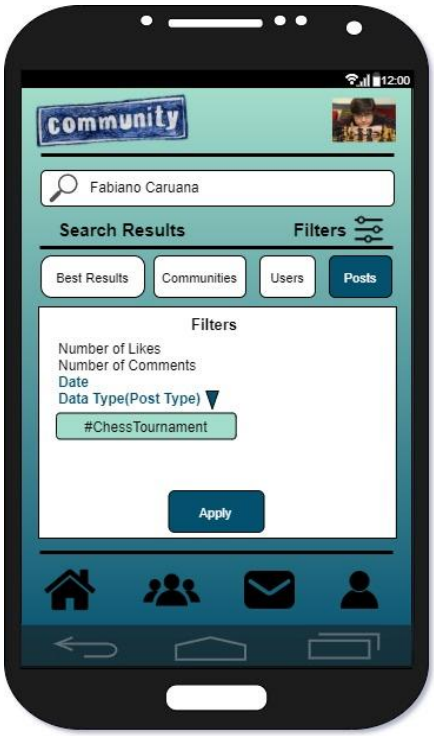
2-Enes types "Fabiano Caruana" to search bar.



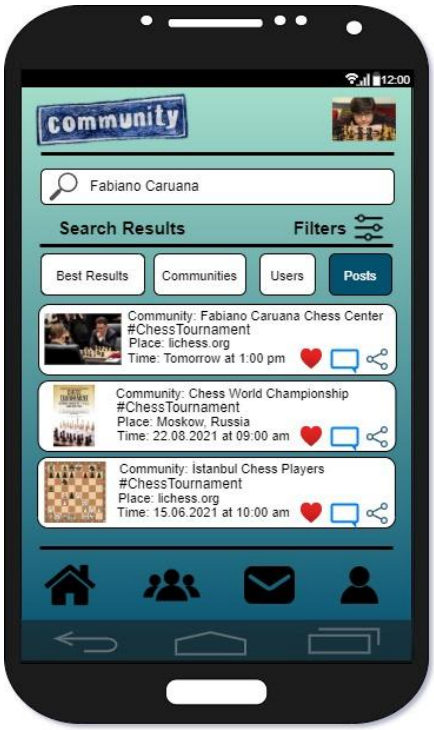
3-He sees the related users, public posts and communities as result.



4-Enes filters posts by "tournament" data type. Enes sorts filtered posts by date.



5-Enes sees the filtered search results.



6-He clicks on a tournament and sees its content and comments.

Scenario & Mockup #5: Profile Update

Persona

- **Afet Güçverir**
- **49 years old**
- **History Teacher**
- **Idealist**

Story

- **Afet is a history teacher in Rıdvan Kanat High School.**
- **She loves to teach and inspire her students.**
- **Due to the pandemic, she gives her classes online. She notices that some students need extra support during this period.**
- **She decides to give online private lessons and help students overcome their problems.**
- **She recently joined a community to post about her private lessons.**
- **She realizes that her profile is incomplete and needs to be updated.**

Preconditions

- **Afet is a recently registered user.**
- **She has already logged in to the platform from the mobile application.**

Goals

- **Afet wants to update her profile and add information such as date of birth, profile photo etc..**
- **Afet wants to make sure that everyone can see her profile.**

Acceptance Criteria

- **1.1.4.1. Users shall have a profile page.**
- **1.1.4.2. Users shall be able to add profile pictures to their profile pages.**
- **1.1.4.3. Users shall be able to add their personal information to their profiles pages.**
- **1.1.4.4. Users shall be able to edit the content of their profile pages.**
- **1.1.4.5. Users shall be able to set their profiles as public or private to other users.**

Scenario

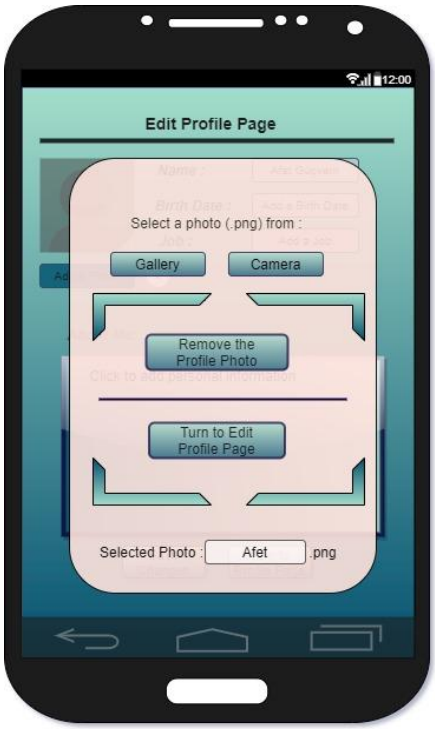
1. **Afet opens her profile page from the mobile application.**
2. **She clicks on edit profile.**
3. **She clicks on "Add a Photo" and adds her profile photo in PNG format.**
4. **She enters her date of birth and personal information including her teaching experience.**
5. **She checks her privacy settings. She notices that most of her profile is private and users do not follow her cannot see her information. She makes all options public and clicks on confirm.**
6. **She clicks on save changes and sees that she has successfully updated her profile.**

Mockup

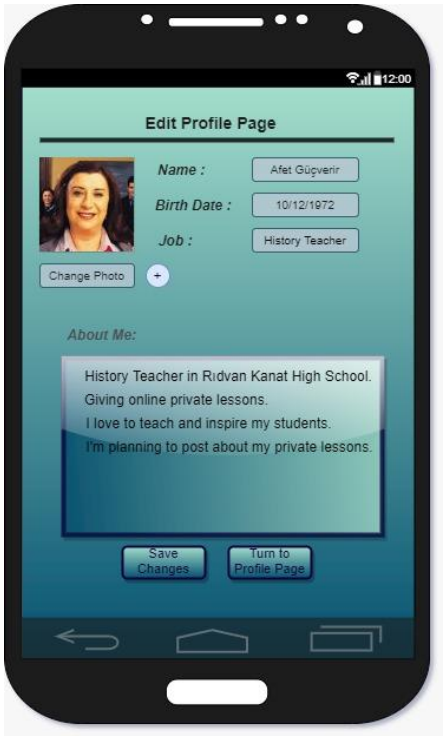
1-Afet opens her profile page from the mobile application.

2-She clicks on edit profile.

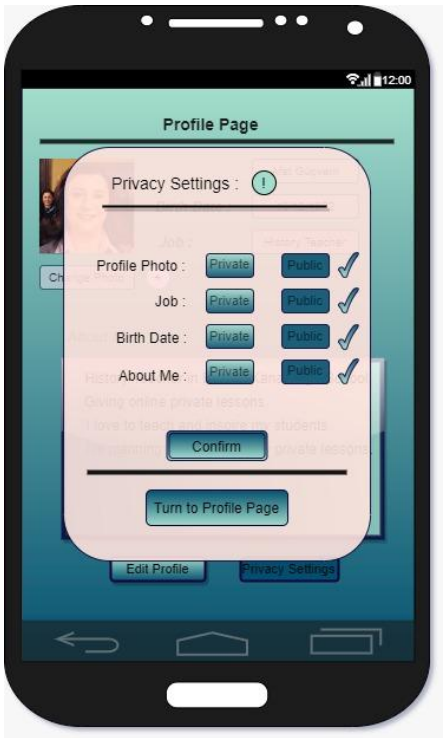
3-She clicks on "Add a Photo" and adds her profile photo in PNG format.



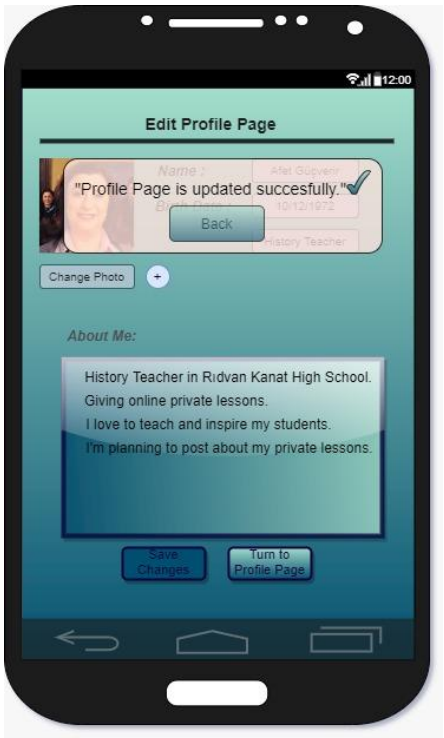
4-She enters her date of birth and personal information including her teaching experience.



5-She checks her privacy settings. She notices that most of her profile is private and users do not follow her cannot see her information. She makes all options public and clicks on confirm.

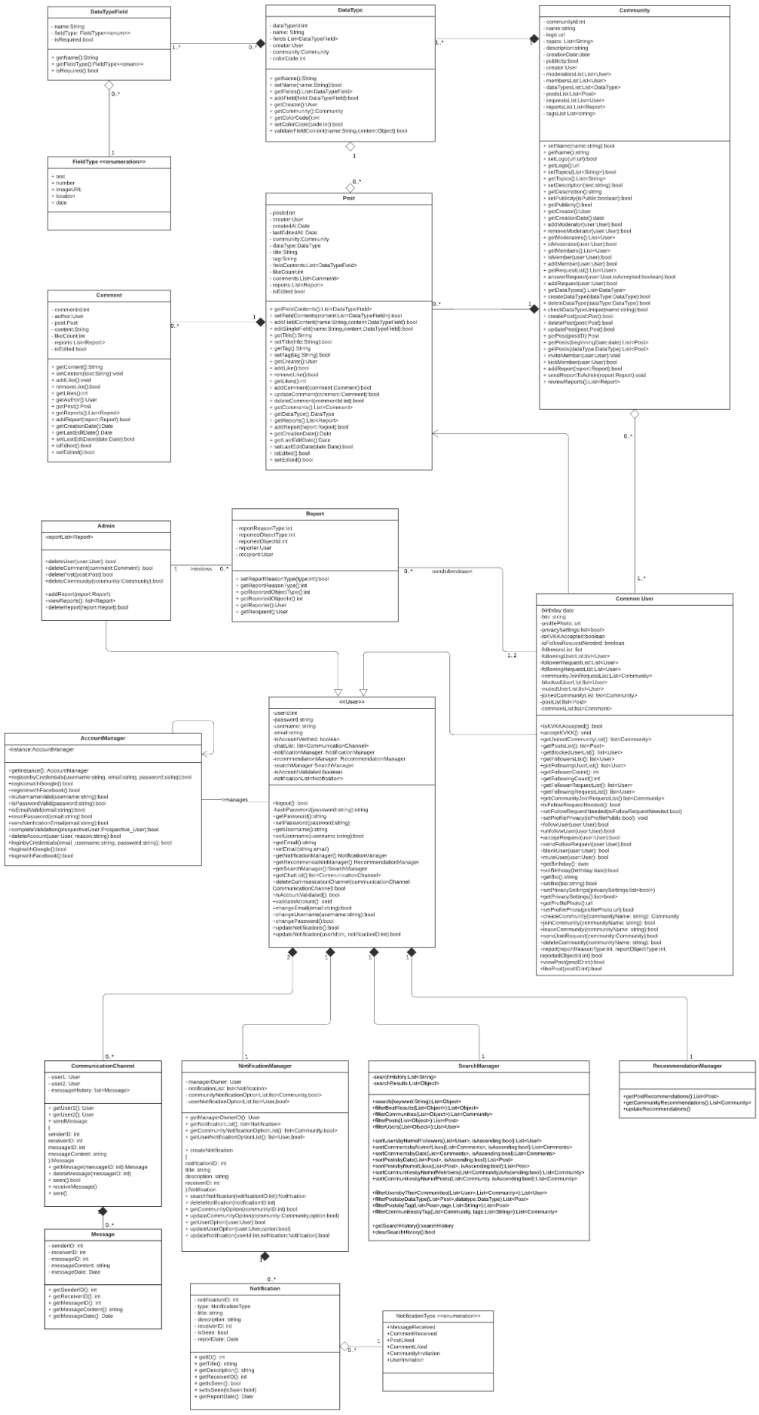


6-She clicks on save changes and sees that she has successfully updated her profile.

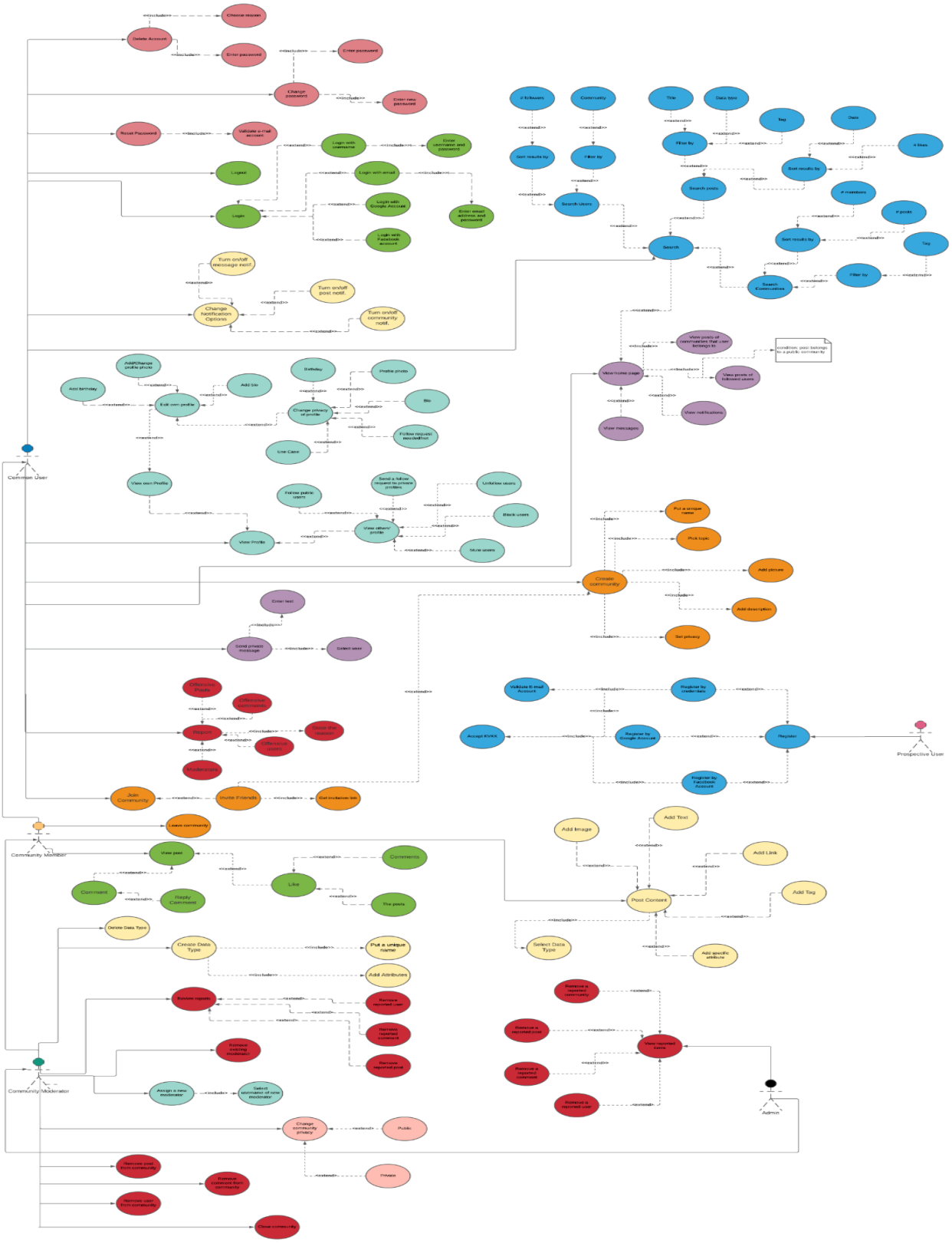


UML Software Designs

1-Class Diagram

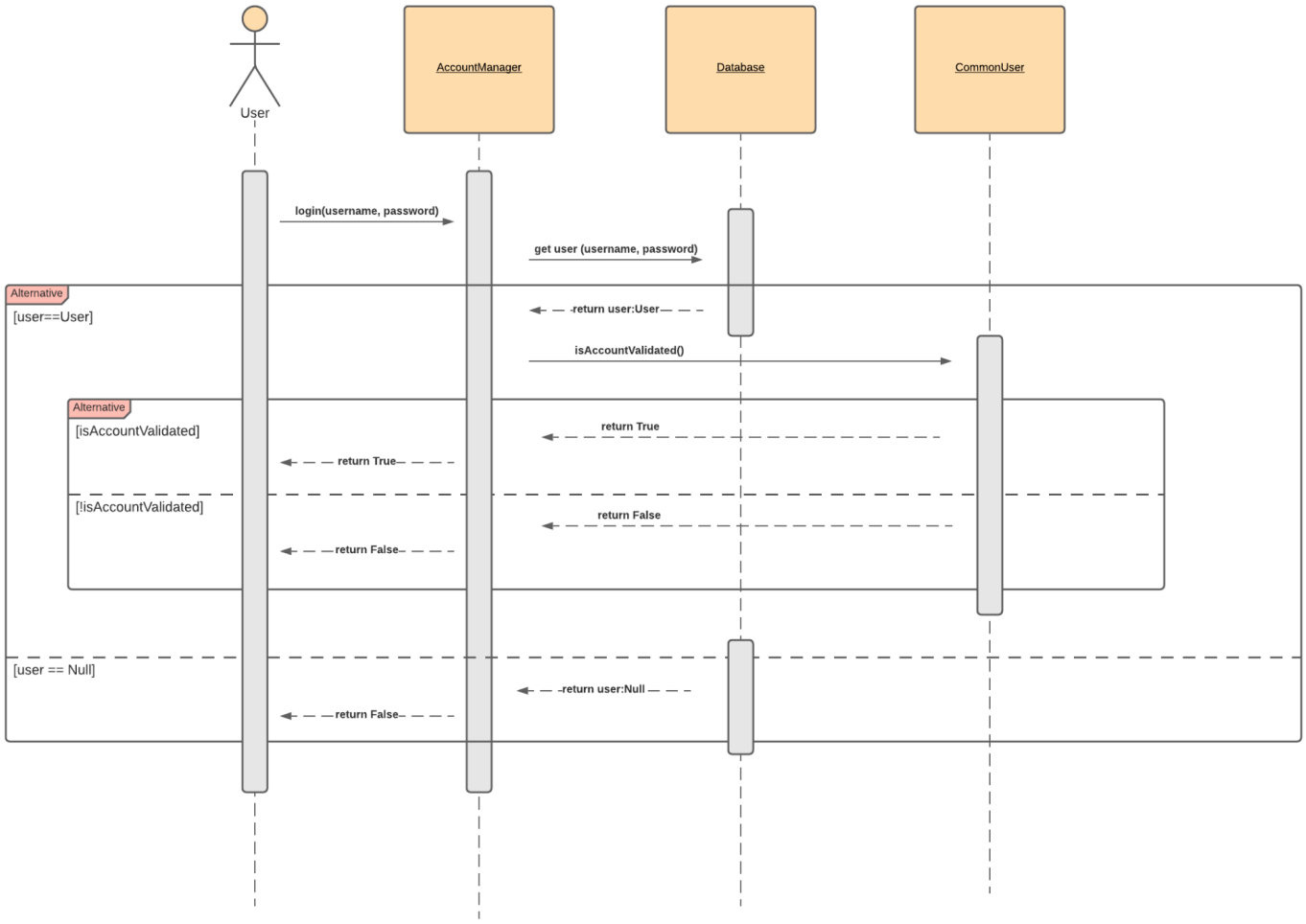


2-Use-Case Diagram

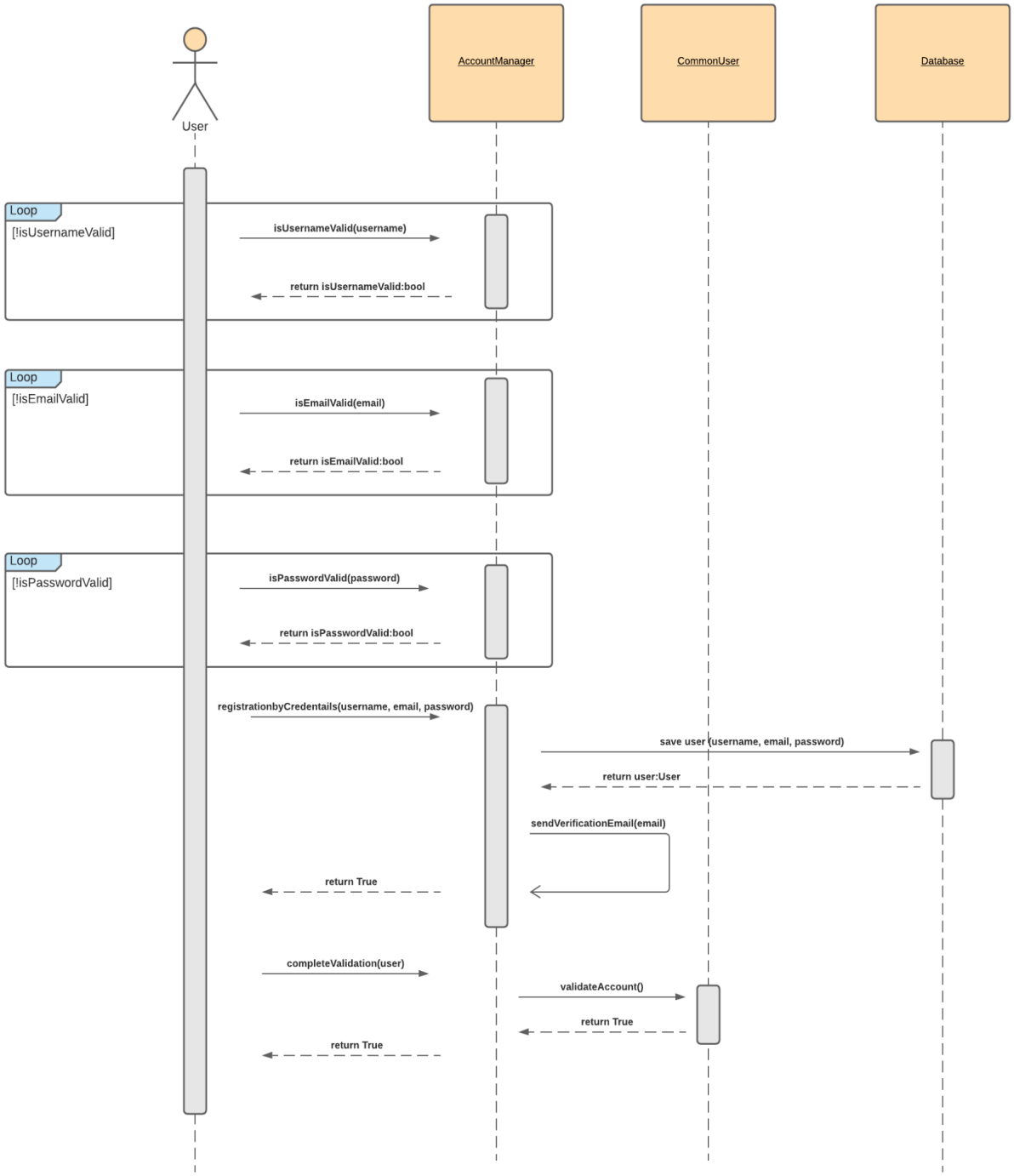


3-Sequence Diagrams

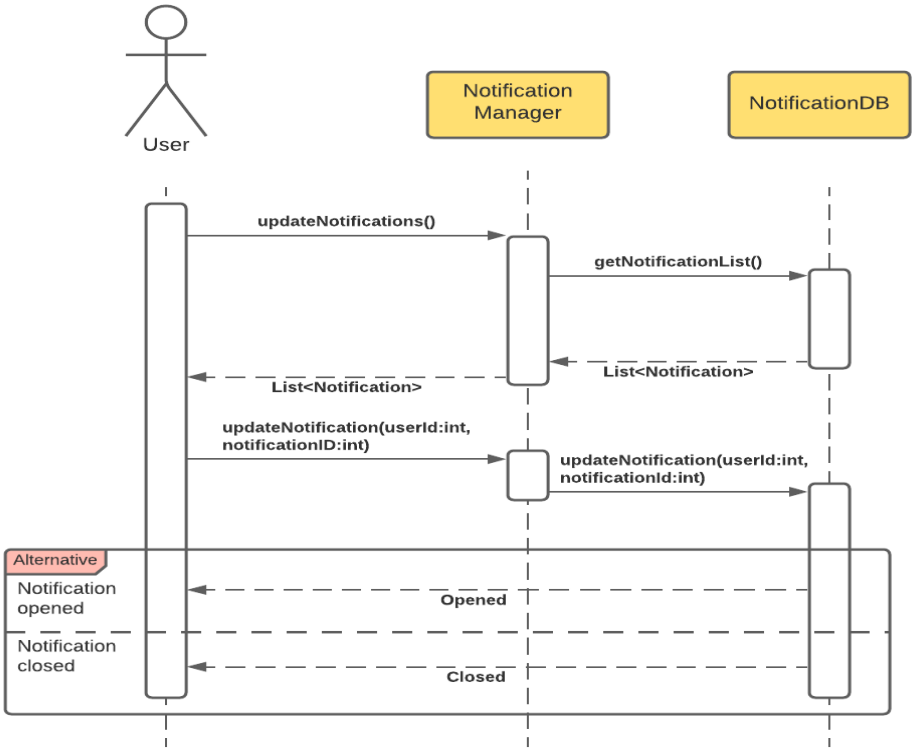
3.1. Login



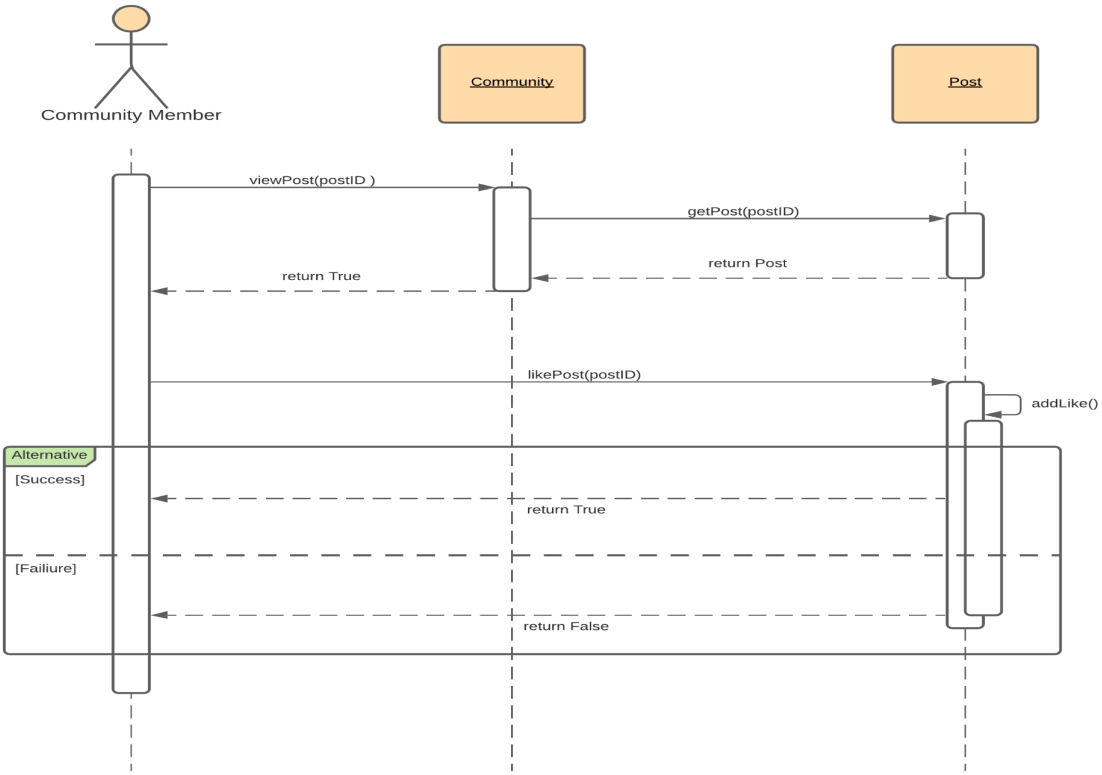
3.2. Registration



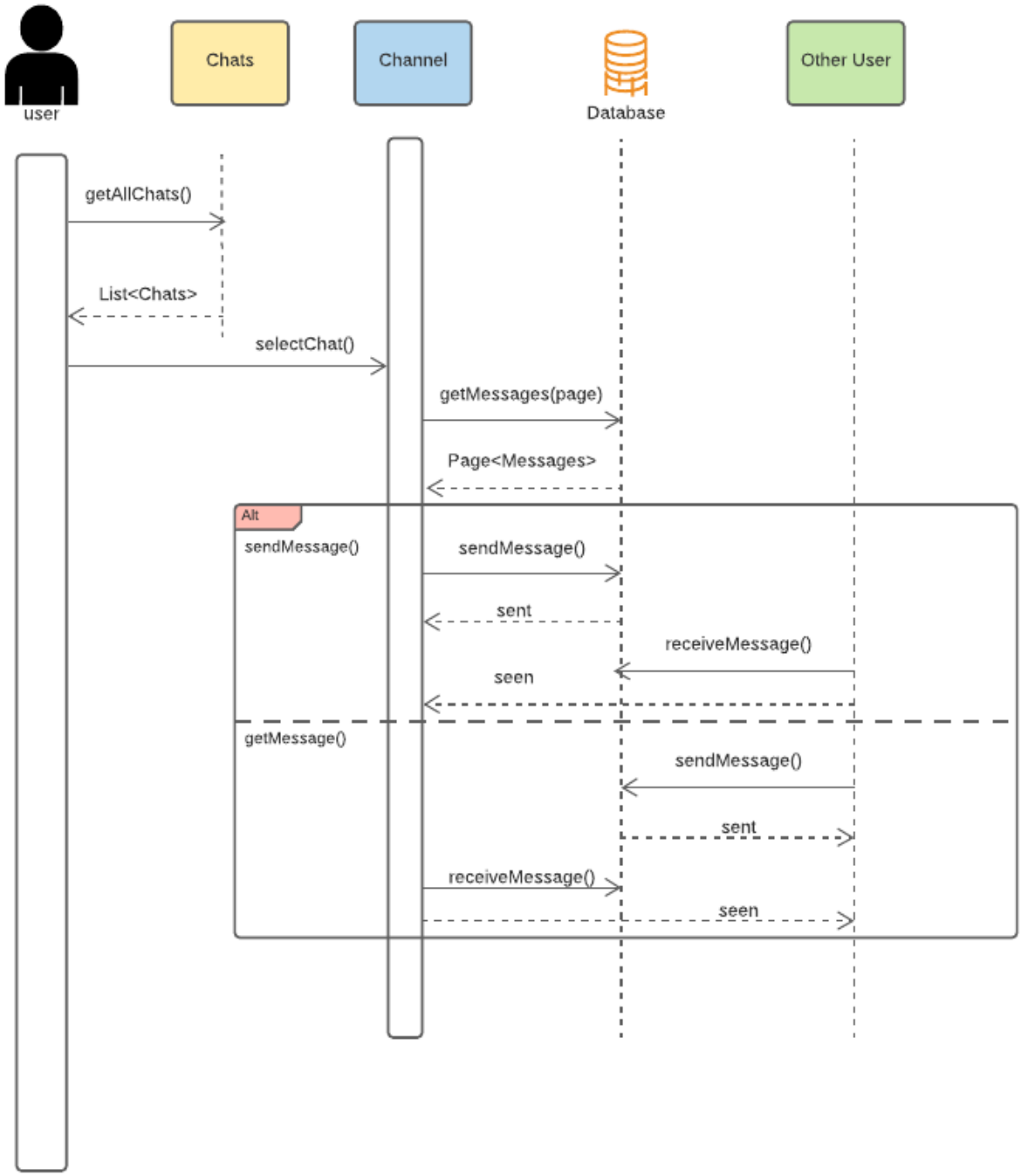
3.3. Change Notifications



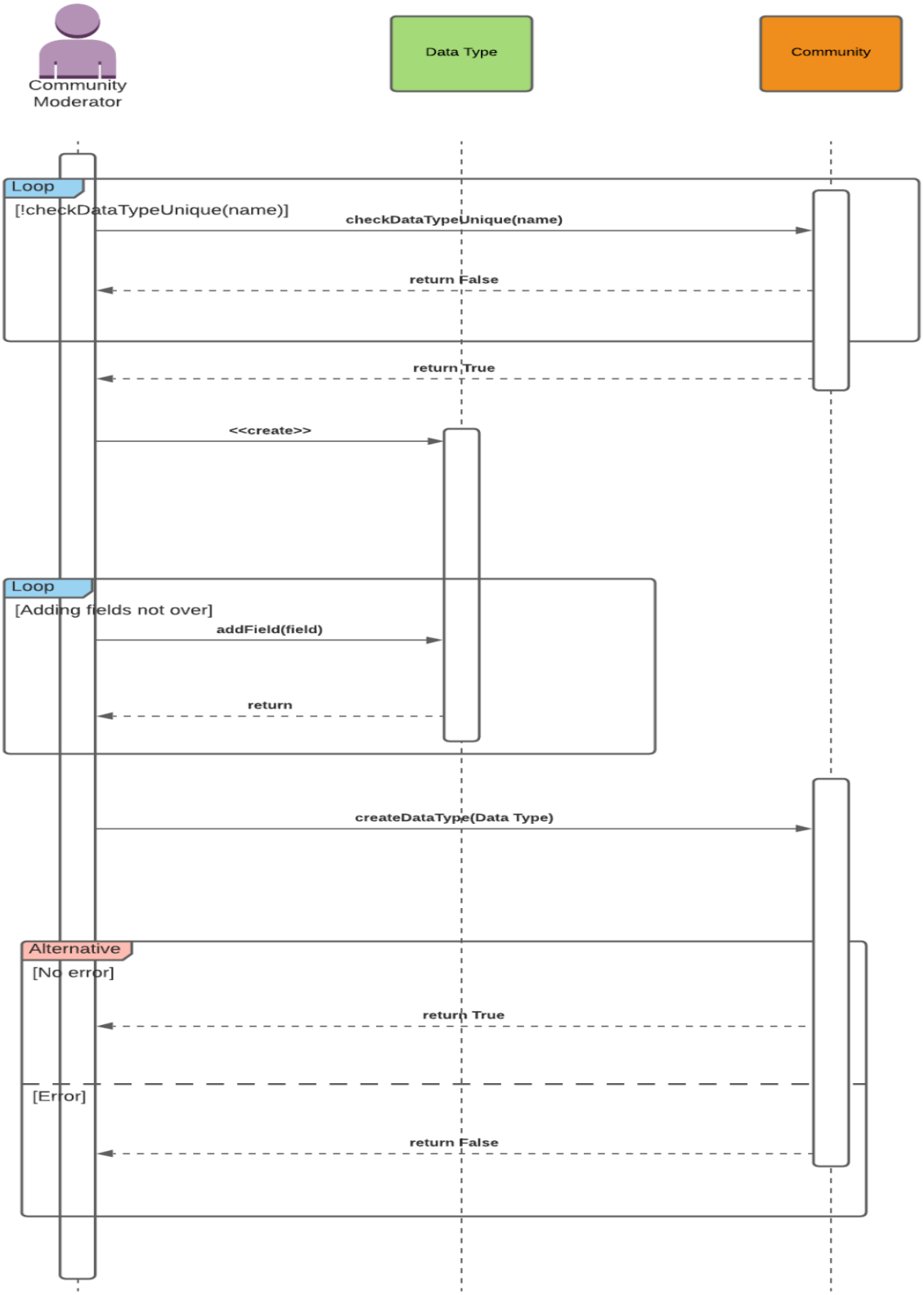
3.4. Like Post


Community Member
Community
Post
viewPost(postID)
getPost(postID)
return Post
return True
likePost(postID)
addLike()
Alternative
[Success]
return True
[Failiure]
return False

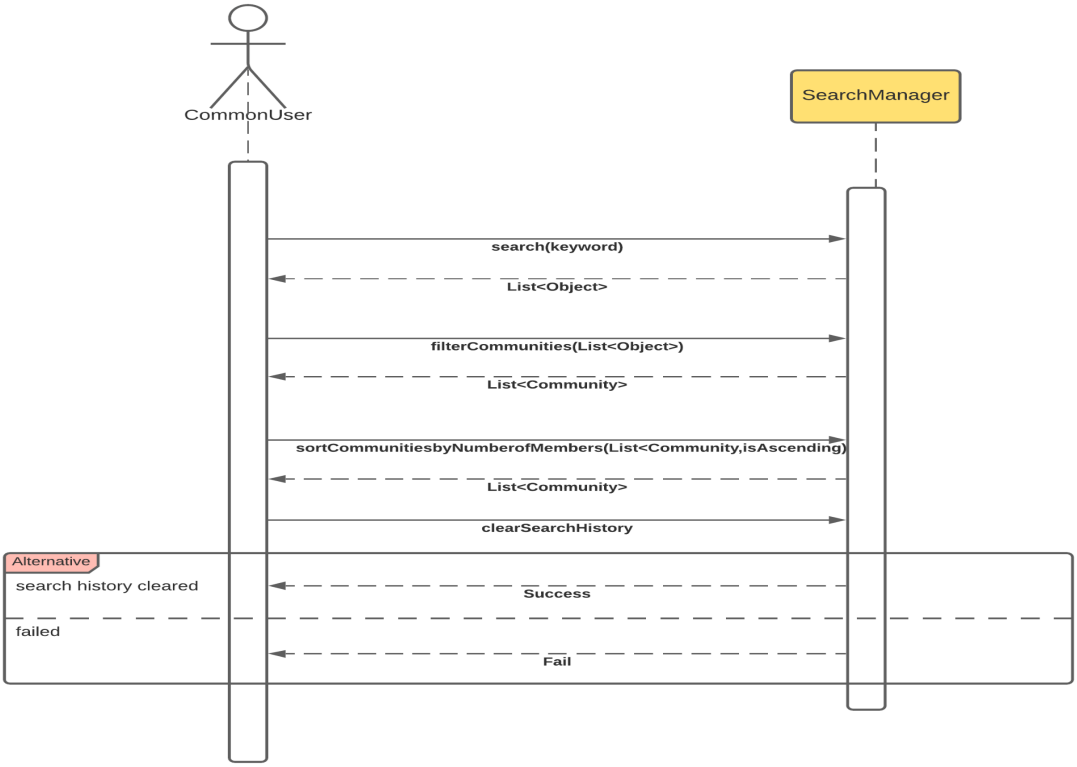
3.5. Message Channel



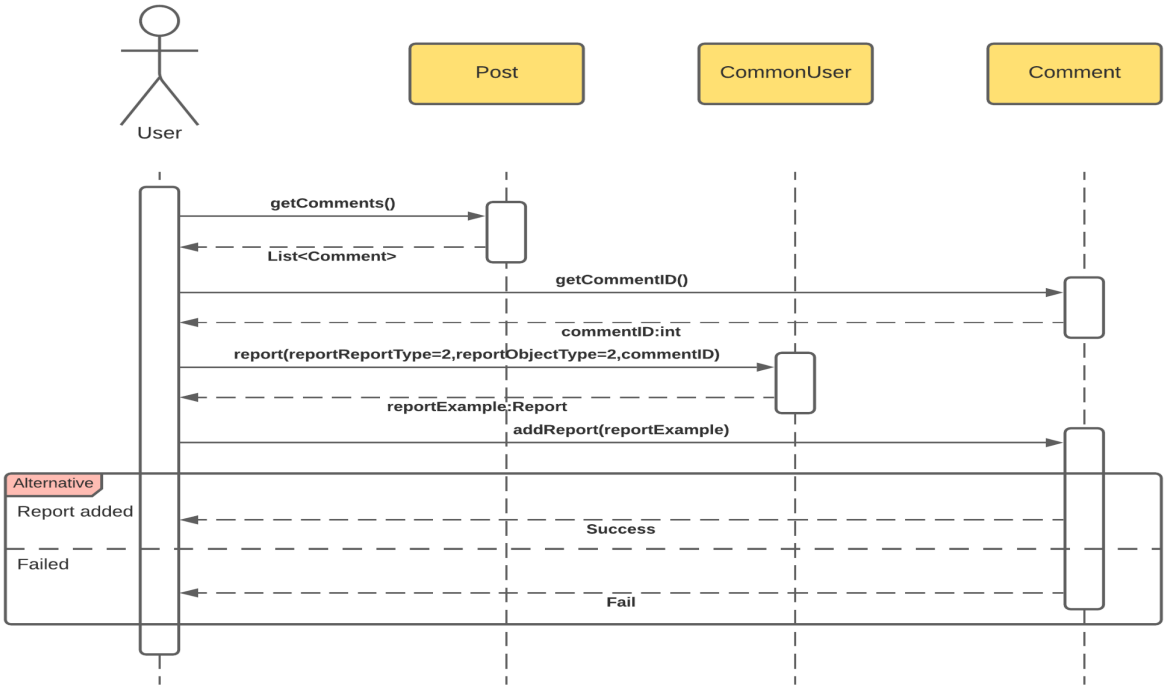
3.6. Create Data Type



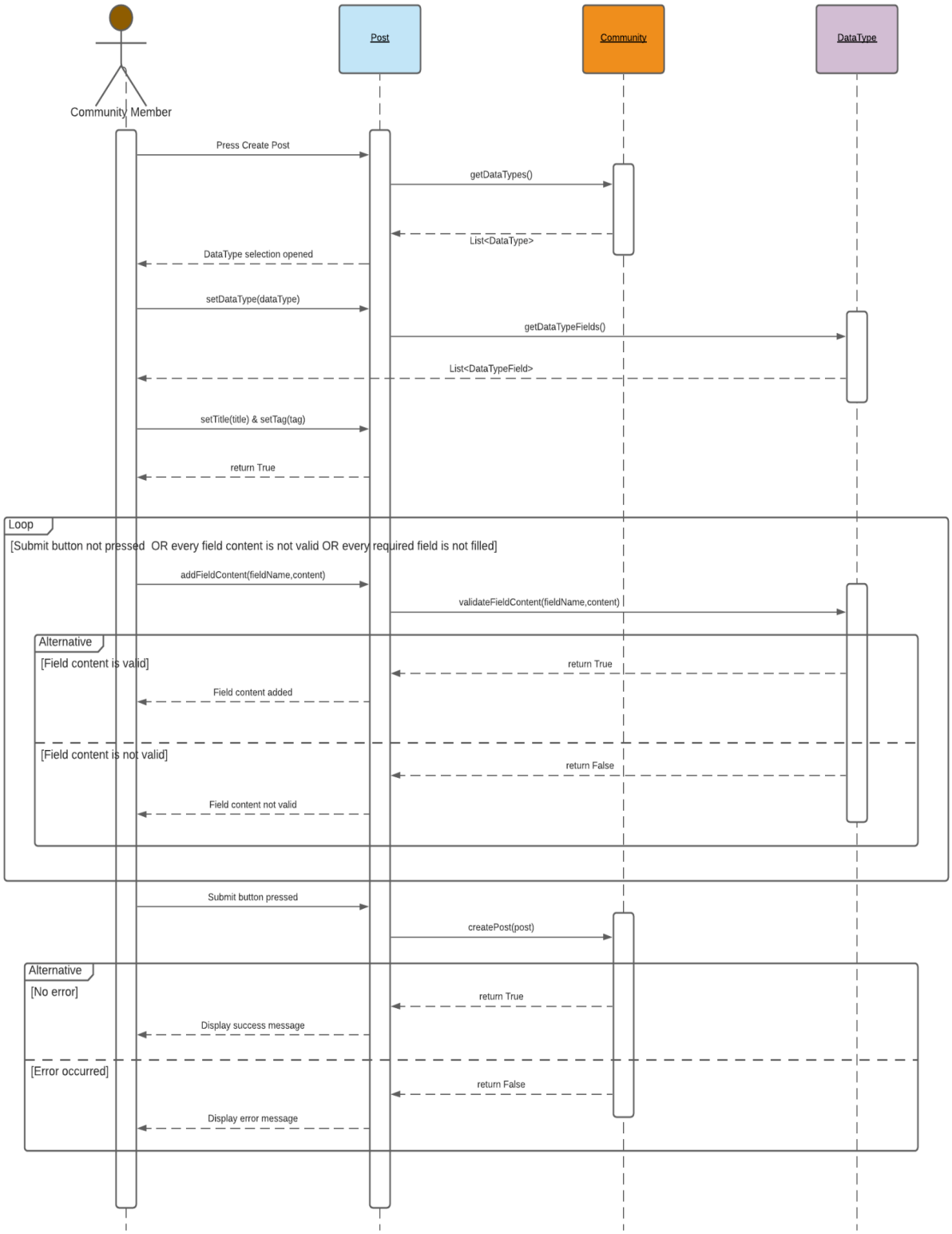
3.7. Search Community



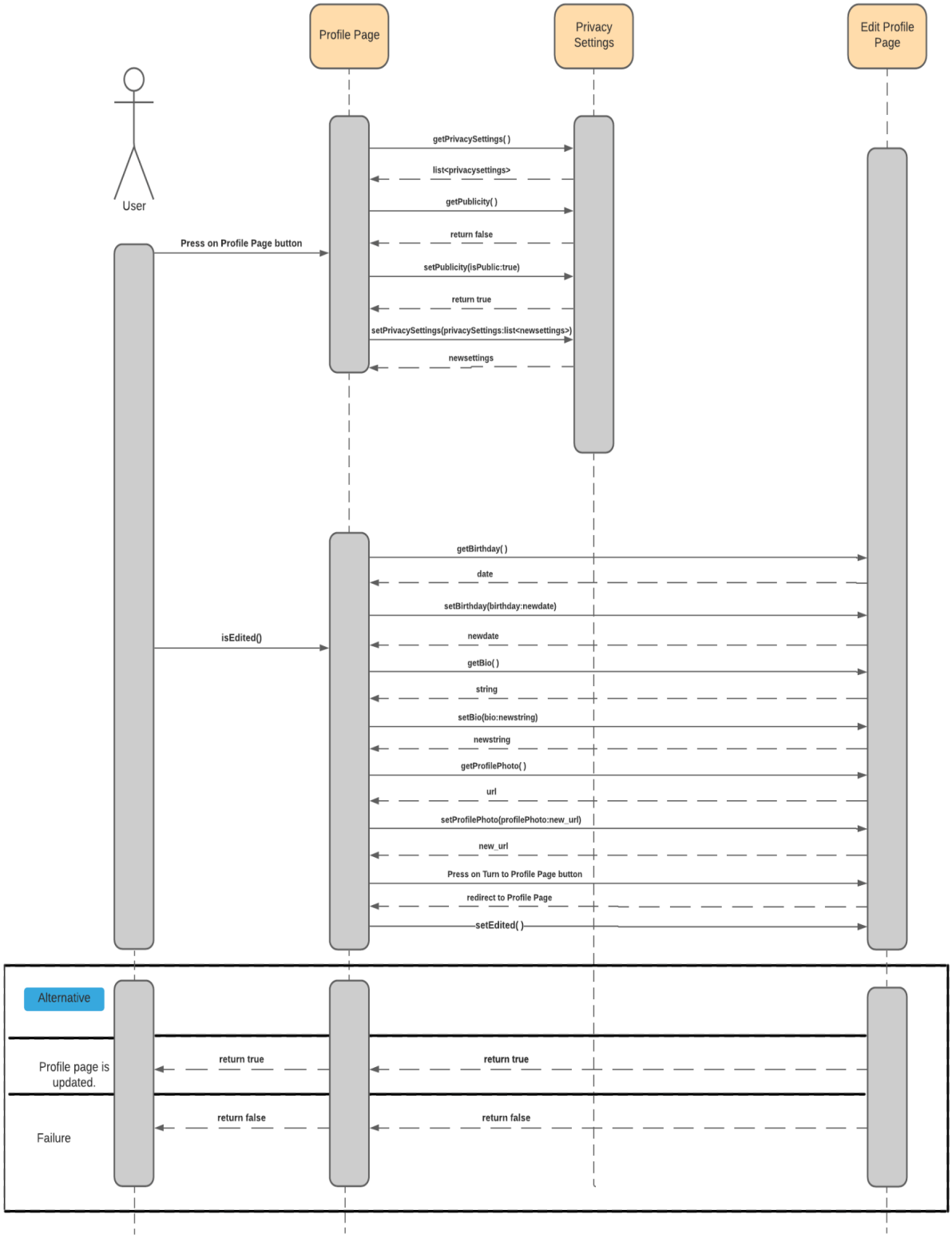
3.8. Report Comment



3.9. Post Content



3.10. Edit Profile Page



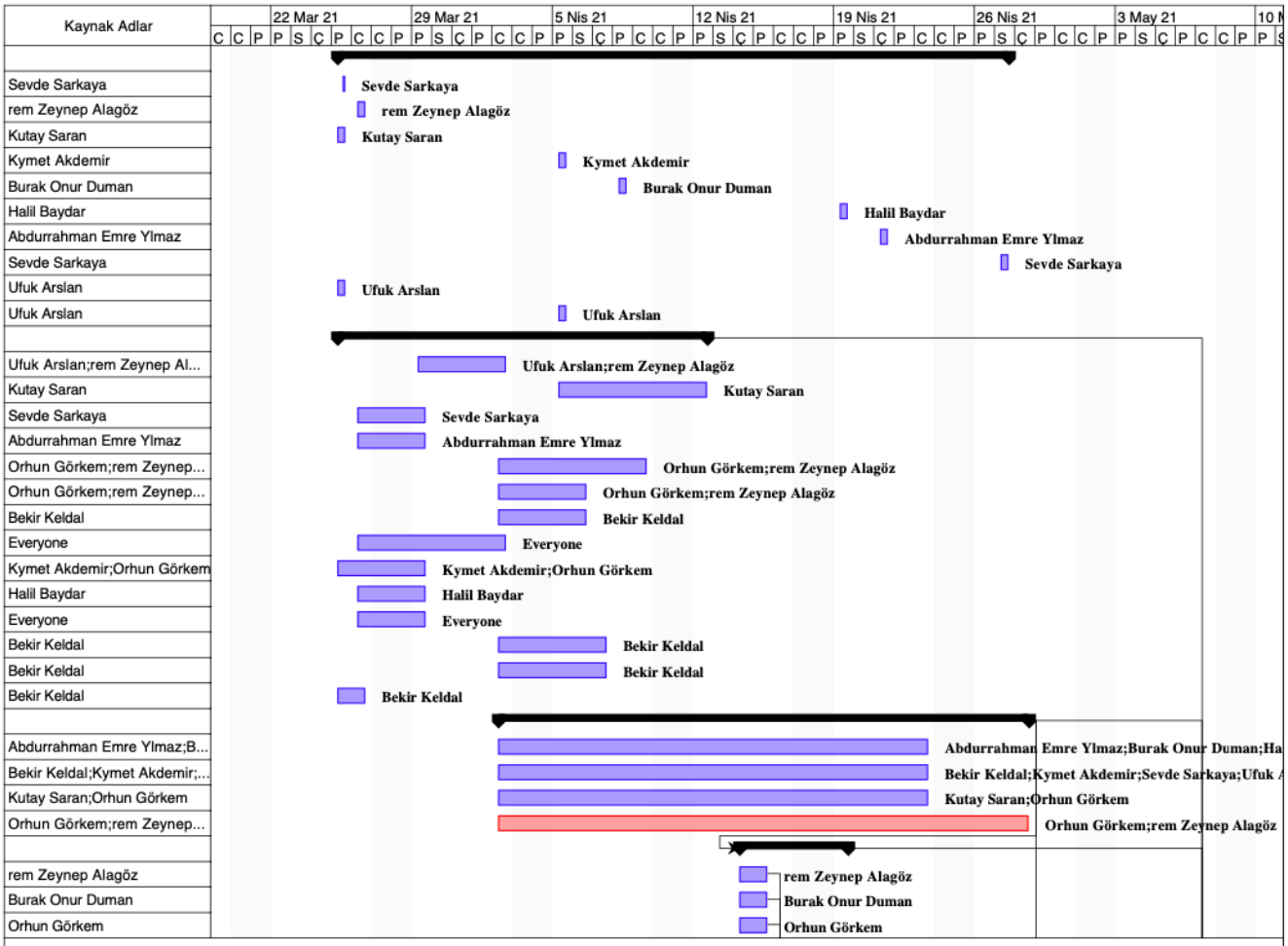
Responsibility Assignment Matrix (RAM)

L: Lead C: Contributor R: Reviewer N: None	Kıymet Akdemir	İrem Zeynep Alaşğız	Ufuk Arslan	Halil Baydar	Burak Onur Duman	Orhun Görkem	Bekir Kefdal	Kutay Saran	Sevde Sarıkaya	Abdurrahman Emre Yılmaz
Customer Meeting										
Identifying questions to ask customer	C/R	C	C	C	C	C	C	C	C	C/R
Organize questions page	C	N	N	N	N	N	N	R	R	C
Organizing customer meeting	N	R	N	N	N	L	N	N	N	N
Taking note of the customer meeting #1	N	L	N	R	N	N	N	N	N	N
Documenting answers of questions for meeting #1	N	R	N	N	N	N	N	N	N	L
Taking notes of customer meeting #2	N	L	N	N	N	N	N	N	N	N
Updating Customer Meeting Documentation	C	C	N	N	N	N	R	N	N	N
Meetings & Communication										
Meeting Date Poll	N	N	N	R	N	N	N	N	L	N
Creating recurring Google Meet session	N	C	N	N	N	R	N	N	N	N
Documenting meeting Notes #1	N	N	N	N	N	N	R	L	N	N
Documenting meeting Note #2	N	N	N	N	L	N	R	N	N	N
Documenting meeting Notes #3	L	N	N	N	N	N	N	N	N	R
Documenting meeting Notes #4	N	N	N	L	N	R	N	N	N	N
Documenting meeting Notes #5	R	N	N	N	N	N	N	N	N	L
Documenting meeting Notes #6	N	N	N	N	N	N	N	R	L	N
Initializing the Slack Workspace	N	R	L	N	N	N	N	N	N	N
Creating Slack channels for decided tasks	N	R	L	N	N	N	N	N	N	N
Requirements										
Identifying and documenting user requirements	R	C	N	C	C	R	N	N	R	C
Identifying and documenting system requirements	C	R	C	N	R	R	C	N	C	R
Identifying and documenting non-functional requirements	R	R	N	N	R	C	N	C	R	R
Adding glossary to requirements page	N	C	R	N	N	C	N	R	N	N
Scenarios & Mockups										
Scenario: Creating Community	N	L	N	N	R	N	N	N	N	N
Scenario: Posting Content	N	N	R	N	L	N	N	N	N	N
Scenario: Creating Data Type	R	N	N	N	N	L	N	N	N	N
Scenario: Searching & Filtering	L	N	N	N	N	N	R	N	N	N
Scenario: Updating Profile	N	N	N	N	R	N	L	N	N	N
Mockup: Creating Community	N	R	L	N	N	N	N	N	N	N
Mockup: Posting Content	N	N	N	L	R	N	N	N	N	N
Mockup: Creating data type	N	N	N	N	N	R	N	N	L	N
Mockup: Searching & Filtering	R	N	R	N	N	N	N	N	N	L
Mockup: Updating Profile	N	N	R	N	N	N	R	L	N	N
Design Diagrams										
Class diagram	C	C	C	N	C	R	N	N	N	C
Use case diagram	N	R	N	C	N	C	C	C	C	N
Sequence diagram: Login	N	L	N	N	R	N	N	N	N	N
Sequence diagram: Registration	N	L	N	N	R	N	N	N	N	N
Sequence diagram: Notification settings	N	R	N	N	N	N	N	N	L	N
Sequence diagram: Liking post	N	N	N	N	N	R	L	N	N	N
Sequence diagram: Private messaging	R	N	N	L	N	N	N	N	N	N
Sequence diagram: Creating datatype	N	R	N	N	N	L	N	N	N	N
Sequence diagram: Searching community	L	N	N	N	N	R	N	N	N	N
Sequence diagram: Reporting comment	N	N	R	N	L	N	N	N	N	N
Sequence diagram: Posting content	N	N	L	R	N	N	N	N	N	N
Sequence diagram: Editing profile	N	N	N	N	N	N	N	L	R	N
Project Repository & Issues										
Deciding on the issue labels and creating them	N	L	C	N	N	N	N	N	N	R
Creating a template for future issues	N	N	N	R	N	N	N	L	N	N
Initializing Wiki home page	N	N	N	N	N	N	R	N	L	C
Initializing README	N	N	N	N	N	N	R	N	N	L
Updating Wiki home page and sidebar	N	L	R	N	N	C	N	N	N	N
Updating README	N	C	N	R	N	L	N	N	N	N
Domain Analysis	N	N	C	C	N	R	N	N	C	N
Exploring popular GitHub repositories	C	C/R	C	C	C	C	C	C	C	C
Git Research	C	N	N	N	N	C	N	N	R	N
Communication plan	R	N	R	L	N	N	N	N	N	N
Filling Out Personal Information Wiki Page	C	C	C	C	C/R	C	C	C	C	C
Creating template for member wiki pages	N	N	N	N	R	N	L	N	N	N
Creating an effort tracking table template	N	N	N	N	N	N	L	R	N	N
Creating meeting notes template	N	N	R	N	N	N	L			N

Project Plan

		Ad	Süre	Balat	Bitirme	Önceki
1		**Meetings and Communication**	**24 günler?**	**25.03.2021 08:00**	**27.04.2021 17:00**	
2		Poll for the meeting dates	0,375 günler?	25.03.2021 14:00	25.03.2021 17:00	
3		Creating recurring Google Meet...	1 gün?	26.03.2021 08:00	26.03.2021 17:00	
4		Documenting meeting Notes #1	1 gün?	25.03.2021 08:00	25.03.2021 17:00	
5		Documenting meeting Note #2	1 gün?	03.04.2021 08:00	05.04.2021 17:00	
6		Documenting meeting Notes #3	1 gün?	08.04.2021 08:00	08.04.2021 17:00	
7		Documenting meeting Notes #4	1 gün?	17.04.2021 08:00	19.04.2021 17:00	
8		Documenting meeting Notes #5	1 gün?	21.04.2021 08:00	21.04.2021 17:00	
9		Documenting meeting Notes #6	1 gün?	27.04.2021 08:00	27.04.2021 17:00	
10		Initializing the Slack Workspace	1 gün?	25.03.2021 08:00	25.03.2021 17:00	
11		Creating Slack channels for dec...	1 gün?	03.04.2021 08:00	05.04.2021 17:00	
12		**Project Repository & Issues**	**13 günler?**	**25.03.2021 08:00**	**12.04.2021 17:00**	
13		Deciding on the issue labels an...	5 günler?	29.03.2021 08:00	02.04.2021 17:00	
14		Creating a template for future i...	6 günler?	05.04.2021 08:00	12.04.2021 17:00	
15		Initializing Wiki home page	2 günler?	26.03.2021 08:00	29.03.2021 17:00	
16		Initializing README	2 günler?	26.03.2021 08:00	29.03.2021 17:00	
17		Updating Wiki home page and s..	6 günler?	02.04.2021 08:00	09.04.2021 17:00	
18		Updating README	3 günler?	02.04.2021 08:00	06.04.2021 17:00	
19		Domain Analysis	3 günler?	02.04.2021 08:00	06.04.2021 17:00	
20		Exploring popular GitHub reposi...	6 günler?	26.03.2021 08:00	02.04.2021 17:00	
21		Git Research	3 günler	25.03.2021 08:00	29.03.2021 17:00	
22		Communication plan	2 günler?	26.03.2021 08:00	29.03.2021 17:00	
23		Filling Out Personal Information...	2 günler?	26.03.2021 08:00	29.03.2021 17:00	
24		Creating template for member ...	4 günler?	02.04.2021 08:00	07.04.2021 17:00	
25		Creating an effort tracking tabl...	4 günler?	02.04.2021 08:00	07.04.2021 17:00	
26		Creating meeting notes template	2 günler?	25.03.2021 08:00	26.03.2021 17:00	
27		**Requirements**	**19 günler?**	**02.04.2021 08:00**	**28.04.2021 17:00**	
28		Identifying and documenting us...	16 günler?	02.04.2021 08:00	23.04.2021 17:00	
29		Identifying and documenting sy...	16 günler?	02.04.2021 08:00	23.04.2021 17:00	
30		Identifying and documenting n...	16 günler?	02.04.2021 08:00	23.04.2021 17:00	
31		Adding glossary to requirement...	19 günler?	02.04.2021 08:00	28.04.2021 17:00	
32		**Scenarios & Mockups**	**4 günler?**	**14.04.2021 08:00**	**19.04.2021 17:00**	**27**
33		Scenario: Creating Community	4,125 günler	14.04.2021 08:00	15.04.2021 17:00	
34		Scenario: Posting Content	2 günler?	14.04.2021 08:00	15.04.2021 17:00	
35		Scenario: Creating Data Type	2 günler?	14.04.2021 08:00	15.04.2021 17:00	

Group 3 Plan- Sayfa1



Group 3 Plan- Sayfa2

May 21						17 May 21						24 May 21						31 May 21						7 Haz 21						14 Haz 21						21 Haz 21						28 Haz 21						5 Tem 21						12 Te
S	Ç	P	C	C	P	P	S	Ç	P	C	C	P	P	S	Ç	P	C	C	P	P	S	Ç	P	C	C	P	P	S	Ç	P	C	C	P	P	S	Ç	P	C	C	P	P	S	Ç	P	C	C	P	P	S	Ç	P	C	C	P	P	S

lil Baydar;rem Zeynep Alagöz

Arslan

		Ad	Süre	Balat	Bitirme	Önceki
36		Scenario: Searching & Filtering	2 günler?	14.04.2021 08:00	15.04.2021 17:00	
37		Scenario: Updating Profile	2 günler?	14.04.2021 08:00	15.04.2021 17:00	
38		Mockup: Creating Community	2 günler?	16.04.2021 08:00	19.04.2021 17:00	33
39		Mockup: Posting Content	2 günler?	16.04.2021 08:00	19.04.2021 17:00	34
40		Mockup: Creating data type	2 günler?	16.04.2021 08:00	19.04.2021 17:00	35
41		Mockup: Searching & Filtering	2 günler?	16.04.2021 08:00	19.04.2021 17:00	36
42		Mockup: Updating Profile	2 günler?	16.04.2021 08:00	19.04.2021 17:00	37
43		**Design Diagrams**	**8 günler?**	**21.04.2021 08:00**	**30.04.2021 17:00**	**27**
44		Class diagram	8 günler?	21.04.2021 08:00	30.04.2021 17:00	
45		Use case diagram	8 günler?	21.04.2021 08:00	30.04.2021 17:00	
46		Sequence diagrams	5 günler?	26.04.2021 08:00	30.04.2021 17:00	
47		Milestone 1	1 gün?	07.05.2021 08:00	07.05.2021 17:00	12;27;32;43
48		**BACKEND**	**91 günler?**	**01.10.2021 08:00**	**04.02.2022 17:00**	
49		Service Classes	7 günler?	01.10.2021 08:00	11.10.2021 17:00	
50		Controller classes	5 günler?	01.10.2021 08:00	07.10.2021 17:00	
51		Abstract Service classes	8 günler?	12.10.2021 08:00	21.10.2021 17:00	
52		Abstract Controller classes	8 günler?	12.10.2021 08:00	21.10.2021 17:00	
53		Resource classes	10 günler?	28.10.2021 08:00	10.11.2021 17:00	
54		Security configuration	16 günler?	03.11.2021 08:00	24.11.2021 17:00	
55		Aws configuration	3 günler?	12.10.2021 08:00	14.10.2021 17:00	
56		Data transfer classes	6,5 günler?	01.10.2021 08:00	11.10.2021 13:00	
57		Entity Classes	8 günler?	01.10.2021 08:00	12.10.2021 17:00	
58		Database configuration	3 günler?	27.10.2021 08:00	29.10.2021 17:00	
59		Mapper interfaces	5 günler?	01.11.2021 08:00	05.11.2021 17:00	
60		Exception handling	66 günler?	01.10.2021 08:00	31.12.2021 17:00	
61		Socket implementation	10 günler?	01.01.2022 08:00	14.01.2022 17:00	
62		Notification implementation	32 günler?	18.11.2021 08:00	31.12.2021 17:00	
63		Search implementation	11 günler?	10.11.2021 08:00	24.11.2021 17:00	
64		Repository interfaces	11 günler?	01.12.2021 08:00	15.12.2021 17:00	
65		Util classes	19 günler?	20.10.2021 08:00	15.11.2021 17:00	
66		Swagger configuration	4 günler?	01.11.2021 08:00	04.11.2021 17:00	
67		Email configuration	6 günler?	01.11.2021 08:00	08.11.2021 17:00	
68		Authentication configuration	10 günler?	15.11.2021 08:00	26.11.2021 17:00	
69		Authorization configuration	10 günler?	18.10.2021 08:00	29.10.2021 17:00	
70		**FrontEnd**	**91 günler?**	**01.10.2021 08:00**	**04.02.2022 17:00**	

Kaynak Adlar
Kymet Akdemir
Bekir Keldal
Ufuk Arslan
Halil Baydar
Sevde Sarkaya
Abdurrahman Emre Ylmaz
Kutay Saran
Abdurrahman Emre Ylmaz;B...
Bekir Keldal;Halil Baydar;Kut...
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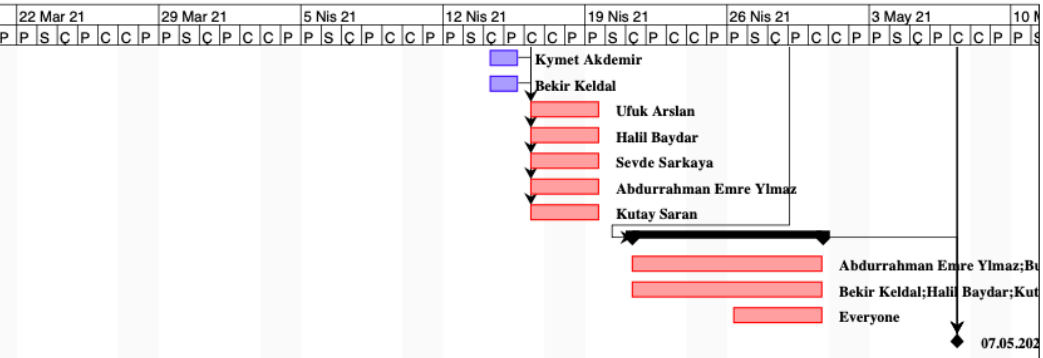

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ırak Onur Duman;Kymet Akdemir;Ufuk Arslan;rem Zeynep Alagöz

ay Saran;Orhun Görkem;Sevde Sarkaya

1

m 21					19 Tem 21						26 Tem 21						2 Au 21						9 Au 21						16 Au 21						23 Au 21						30 Au 21						6 Eyl 21						13 Eyl 2	
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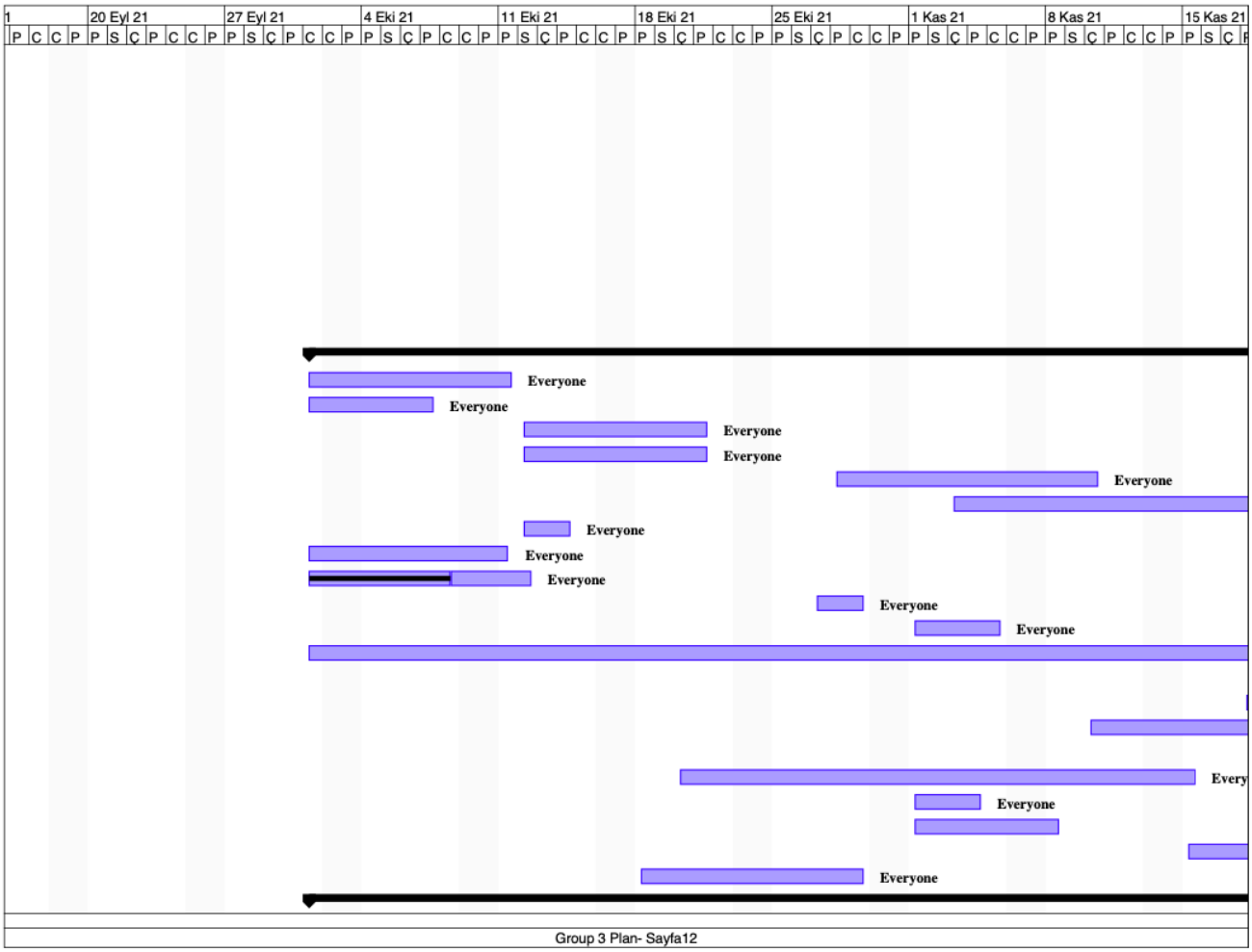
Group 3 Plan- Sayfa11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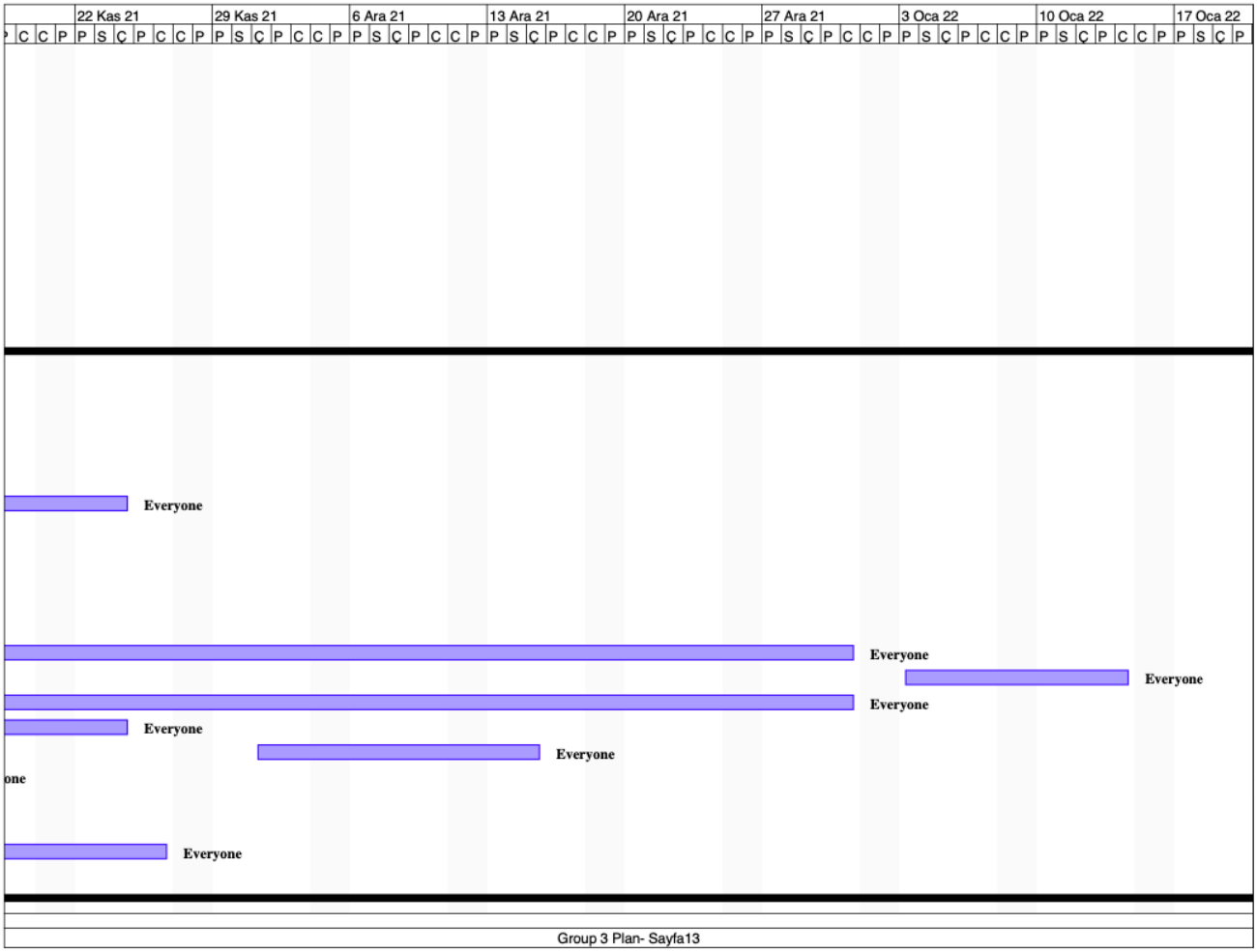
22 Kas 21
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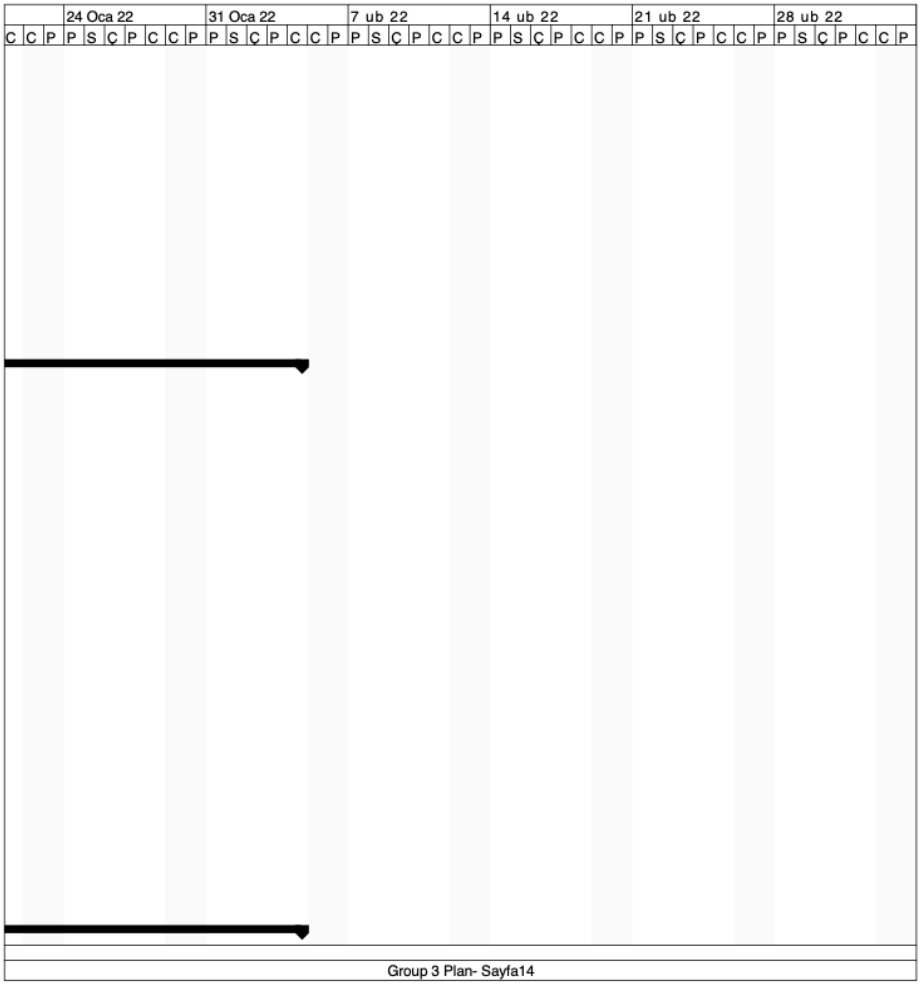
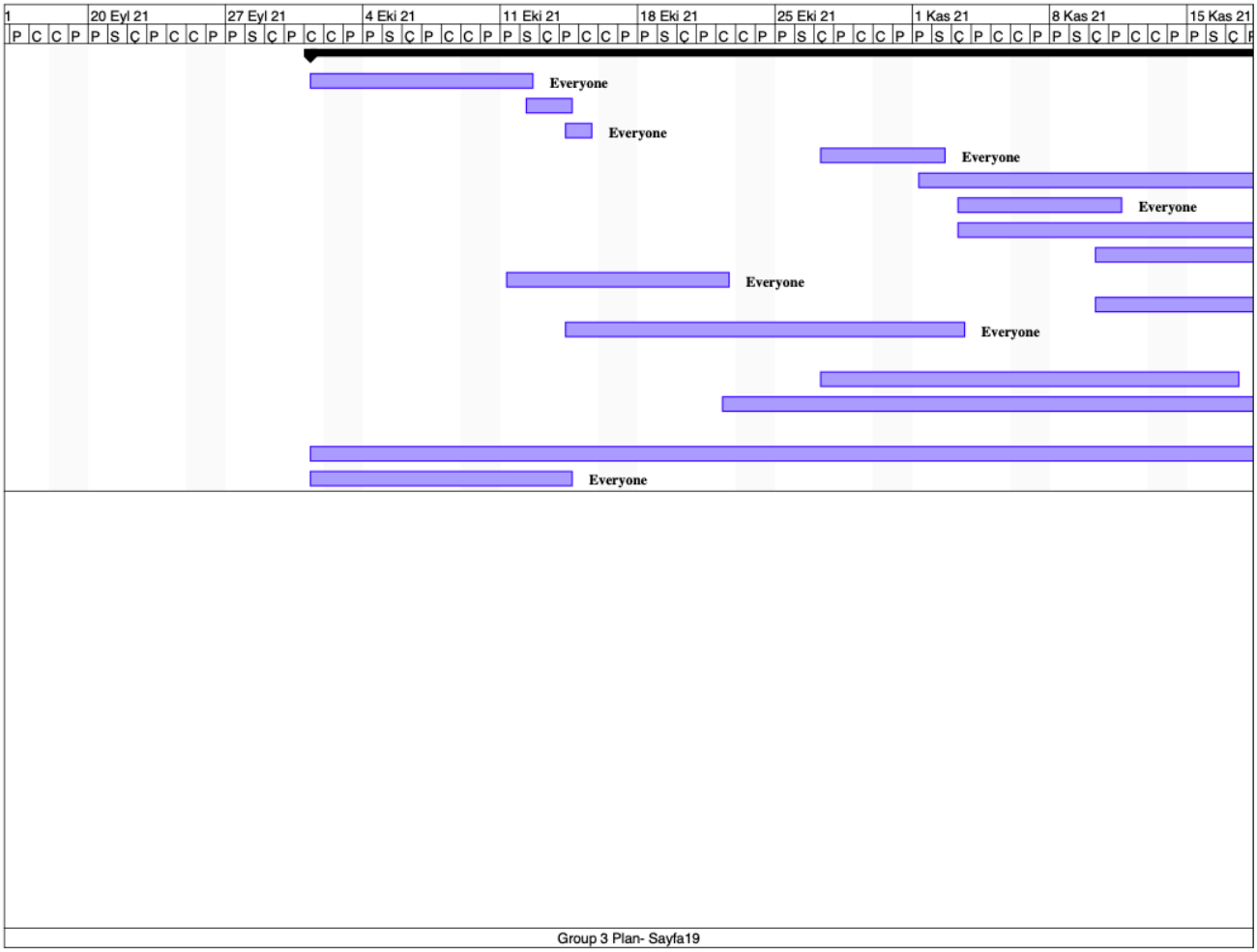
Group 3 Plan- Sayfa13



Group 3 Plan- Sayfa14

		Ad	Süre	Balat	Bitirme	Önceki
71		**Application - Websites**	**91 günler?**	**01.10.2021 08:00**	**04.02.2022 17:00**	
72		Login page	8 günler?	01.10.2021 08:00	12.10.2021 17:00	
73		Registration page	3 günler?	12.10.2021 08:00	14.10.2021 17:00	
74		Confirmation page	2 günler?	14.10.2021 08:00	15.10.2021 17:00	
75		Home page	5 günler?	27.10.2021 08:00	02.11.2021 17:00	
76		Community page	18 günler?	01.11.2021 08:00	24.11.2021 17:00	
77		Search page	7 günler?	03.11.2021 08:00	11.11.2021 17:00	
78		Profile page	12 günler?	03.11.2021 08:00	18.11.2021 17:00	
79		Settings pages	8 günler?	10.11.2021 08:00	19.11.2021 17:00	
80		Chats page	10 günler?	09.10.2021 08:00	22.10.2021 17:00	
81		Message page	12 günler?	10.11.2021 08:00	25.11.2021 17:00	
82		Share post page	15 günler?	14.10.2021 08:00	03.11.2021 17:00	
83		Community admin panel	48 günler?	01.12.2021 08:00	04.02.2022 17:00	
84		Feedback page	16 günler?	27.10.2021 08:00	17.11.2021 17:00	
85		Admin panel	40 günler?	22.10.2021 08:00	16.12.2021 17:00	
86		Redux implementation	23 günler?	01.01.2022 08:00	02.02.2022 17:00	
87		Axios implementation	66 günler?	01.10.2021 08:00	31.12.2021 17:00	
88		Permission configuration	10 günler?	01.10.2021 08:00	14.10.2021 17:00	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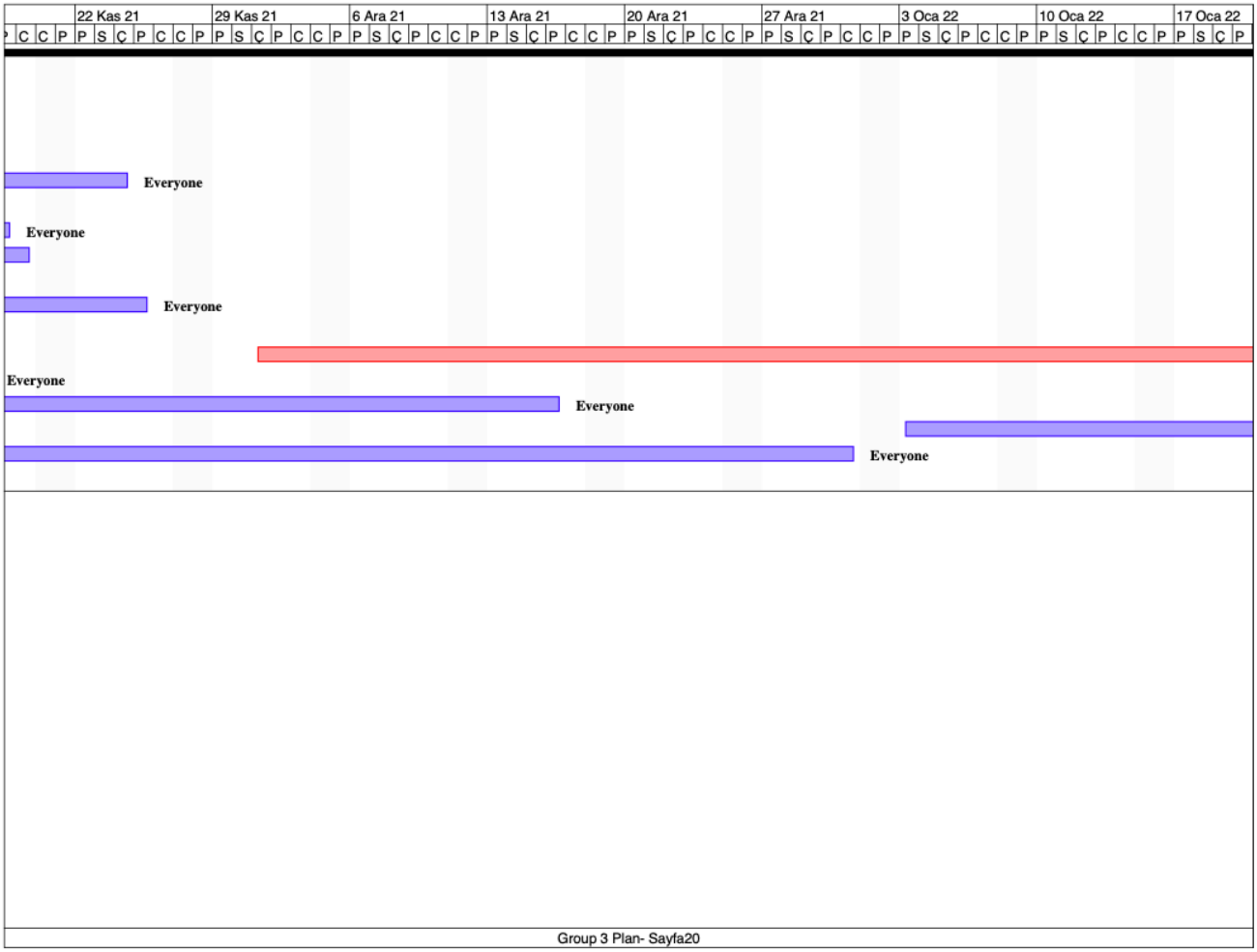
22 Kas 21
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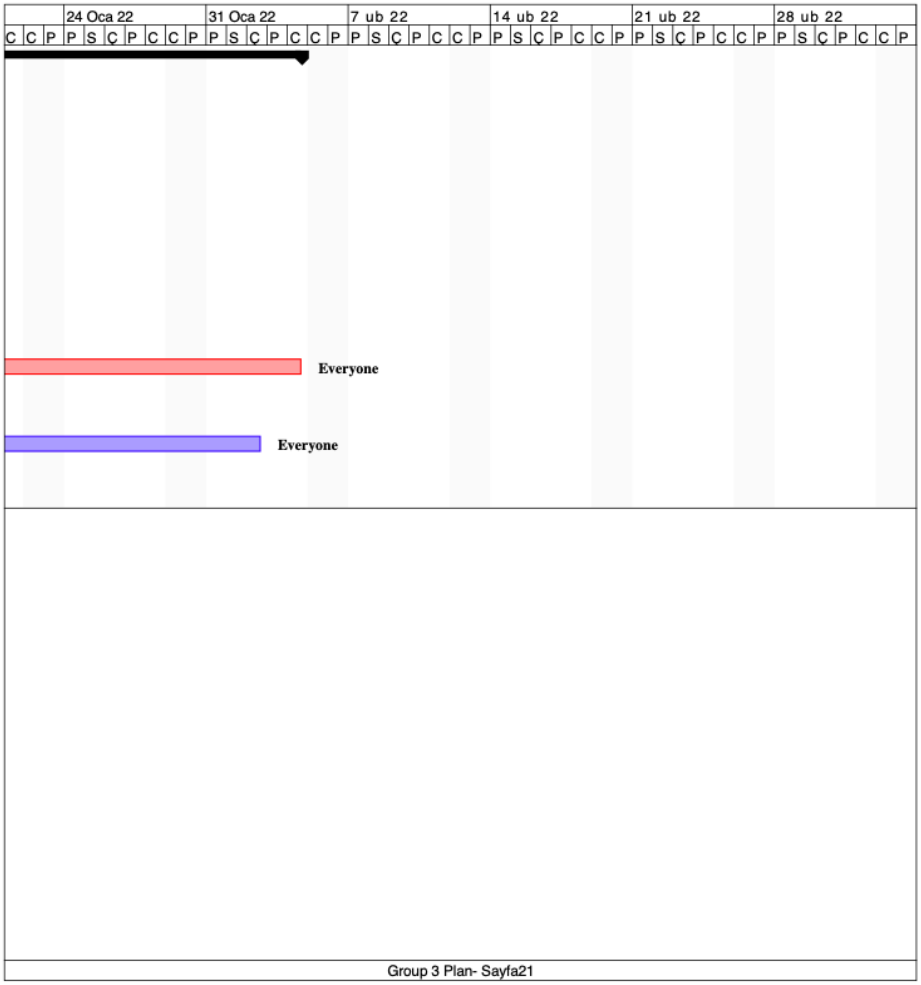
24 Oca 22
31 Oca 22
7 ub 22
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28 ub 22
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Group 3 Plan- Sayfa21