Cmpe 352
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Milestone 1

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Contents

1. Executive Summary 4
1.1. Description 4
1.2. Project Status 4
1.3. Moving Forward 5
2. List and Status of Deliverables 5
3. Evaluation of the Status of Deliverables and Their Impact on Our Project Plan 6
3.1 Home Wiki Page 6
3.2 Personal Wiki Pages 6
3.3 Communication Plan 6
3.4 Favorite Github Repositories 6
3.5 Issues 6
3.6 Meeting Notes 7
3.7 Requirements 7
3.8 Questions 7
3.9 Comparison with Related Software 7
3.10 User Scenarios and Mockups 7
3.11 Use Case Diagram 8
3.12 Class Diagram 8
3.13 Sequence Diagrams 8
3.14 Project Plan and RAM 8
4. Evaluation of Tools 9
5. A Summary of Work Done by Each Team Member 10
6. Deliverables 16
6.1 Communication Plan 16
6.2 Requirements 16
1. Functional Requirements 17
6.3 Scenarios and Mockups 20
6.3.1 Scenario 1 20
6.3.2 Scenario 2 27
6.3.3 Scenario 3 34
6.3.4 Scenario 4 40
6.4 Software Design documents in UML 44

6.4.1 Use Case Diagram 44
6.4.2 Class Diagram 45
6.4.3 Sequence Diagrams 46
6.4 Project plan & RAM 55
6.4.1 Project Plan 55
6.4.2 RAM (Responsibility Assignment Matrix) 60

1. Executive Summary

1.1. Description

The project, at the most basic level, is developing a social media platform for “communities”. The hallmark of this specific social media platform, Purbee, is the customizable data types that communities and their members are allowed to utilize. In Purbee, communities can have a set of previously defined post types that the members of the community must conform to, while posting in a community.

The post types of a specific community will be able to customized according to the preference of the community creator. These previously defined customizable datatypes i.e. post types, will then constitute the basis for a structured and profoundly processable way of communication. This highly organized form of communication will then help communities, actually “purposeful communities”, to mange their “communication" in a much more effective and scalable fashion than the traditional social media platforms allow.

The concept of customizable data types, lies at the core of this platform. With the use of categorization abilities and advanced search functionalities, all of which built on top of the customizable post types, facilitate the high processability and structuredness of the contents created by the community.

Other than these distinctive features, Purbee will also provide the common social media services including but not limited to; direct messaging, searching, following and subscribing. Purbee is planned to have both a web interface and an android application.

1.2. Project Status

For the group structure;

- We have created our GitHub repository, decided on our group's communication channels and scheduled a regular meeting plan, all of which are available on our GitHub repository.

For the project, till now we;

- have created our comparison table, where we differentiate our social media platform from the other conventional social media platforms and locate Purbee in between the others.

- have carried out the requirements analysis according to the project description and the first-hand accounts of the requested software, provided by the customers in the hold meetings. These requirements are, and going to be, continually updated throughout the development of the project.

- have created use case scenarios and corresponding mockups, each depicting some particular use case facilitated by Purbee.

- have created the Use Case Diagram, the Class Diagram and the Sequence Diagrams.

- have delivered our first Milestone, which also contains these lines.

1.3. Moving Forward

We are going to keep having our regular group meetings, in addition to the customer meetings, arranged on need, to deliver the desired software product. We will work on the semantic taggings in the software since it's expected to be supported with Wikidata.org. Furthermore, we'll constantly be enhancing and updating the requirements in order to meet the desired product's features as best as possible. Finally, in the implementation phase we hope to conform to the plan and deliver both an Android application and a Web page of the Purbee at the end of the January 2022.

2. List and Status of Deliverables

Deliverable	Status	Update Frequency	Description
README.md	Complete	When Required	Main and brief description page of the project.
Home Wiki Page	In Progress	Weekly	Main wiki page on the GitHub which contains all material related to the project.
Meeting Notes	In Progress	Weekly	Highlighted information about team meetings.
Personal Wiki Pages	In Progress	Weekly	Documentation of personal efforts and info.
Communication Plan	Complete	When Required	Schedule and the channels of team communication.
GitHub Issues	In Progress	When Required	Task specification tool on GitHub.
GitHub Study Resources	Complete	When Required	Documentation about how to use git.
Favorite GitHub Repositories	Complete	When Required	Documentations of past and populer repositories on GitHub.
Requirements	Complete	When Required	Specification of the functional and non-functional requirements of the project.
Questions	Complete	When Required	Questions about unresolved points about requirements
Related Software Comparisior	Complete	When Required	Differences and similarities between our project and similar market leading projects.
User Scenarios	Complete	When Required	Possible usage of the project by the user.
Mockups	Complete	When Required	The visualization of the user scenarios.
UML Designs	Complete	When Required	Use cases, Class Diagrams, and Sequence diagrams.
Project Plan	Complete	When Required	Project planning and assignments at a table
RAM	Complete	When Required	Responsibilty Assignment Matrix

3. Evaluation of the Status of Deliverables and Their Impact on Our Project Plan

3.1 Home Wiki Page

All the work we have done is under the headings in the sidebar on the home wiki page. We add the assignments we do every week here and we take care to keep this page organized.

3.2 Personal Wiki Pages

All group members created their own wiki page. Every page contains a small informative text about page owner and a time tracking section. Every week after we complete our homework, we list the tasks we did that week on our personal pages. These pages are updated every week by adding new weekly efforts text. Thanks to time tracking, we can observe our personal contributions to the project.

3.3 Communication Plan

Planned communication is very important for 9 people to work together regularly. For this reason, at the beginning of the semester, we determined the communication programs we will use and some days for the weekly meetings. As expected, meeting days vary from week to week. We use WhatsApp in cases where we need to communicate urgently and for setting dates for meetings. We hold meetings on Discord.

3.4 Favorite Github Repositories

We reviewed the Github repositories and listed the ones we liked. Thanks to this work, we have become a little familiar with Github. We got an idea of how to use Github and we figured out how the Github system works.

3.5 Issues

After distributing tasks in meetings, we create issues and assign them to the relevant members. In this way, regular tracing of tasks is ensured. The use of label helps us to distinguish the issues and perceive their importance and urgency. The issue is closed after the task is completed and the group approval is obtained.

3.6 Meeting Notes

After the meetings, the meeting notes are created and added to the wiki page. Meeting notes contain agenda, decisions taken at that meeting and action items. Properly listing the tasks distributed to members in the action items table, carries great importance in preventing confusion.

3.7 Requirements

Requirements page includes glossary, functional and non-functional requirements parts. Although the requirements we have determined at the beginning are generally correct, requirements are updated in line with the clarification of the project details as the weeks progress.

3.8 Questions

While creating the requirements, we listed our questions about the project requirements and asked these questions to the TA at the customer meeting. This study helped us clarify some points we did not understand about the requirements and the project.

3.9 Comparison with Related Software

We created tables of similarities and differences of our project with Instagram, Reddit and Facebook. These tables helped to shape our application a little more in our minds.

3.10 User Scenarios and Mockups

We prepared four different scenarios for different potential users. Actually, we had prepared 3 scenarios at the beginning, but we created the fourth scenario in line with the feedback we received from the Suzan Hoca. We have created consistent user stories and set up different scenarios of what these users are doing in our app. In these scenarios we referred to the requirements we determined before.
We prepared mockups to visualize the scenarios we created. We prepared the mockups assuming that the phone version of the application is used. The work we did before preparing the mockups was just thinking, but mockups helped us to visualize the application.

3.11 Use Case Diagram

In the use case diagram, we divided the users into two main headings: registered and guest user. We created an admin user under registered user. In this diagram we showed which users can do what in the app.

3.12 Class Diagram

Our biggest challenge was to create the class diagram. We held many meetings; we constantly updated the class diagram according to the feedback we received. We worked hard to create the class diagram, but it was worth it. Having the class diagram ready will make our work easier while implementing the project.

3.13 Sequence Diagrams

We prepared nine different sequence diagrams for the operations that can be done in the application. We displayed the relationships between objects during operations.
We updated the requirements based on the UML diagrams. Creating UML diagrams has helped us a lot about how the application will perform and how to we implement it.

3.14 Project Plan and RAM

We have documented what we have done so far and what we will be done next. It has provided us to review the works we have done on the project so far.

4. Evaluation of Tools

Discord: We used Discord for main communication channel for meetings. We used screen sharing property on decisions, creation of diagrams. Also, camera option was useful when we needed more realistic and diagonal communication. Discord also has no time or user limitations on meetings. Because we arranged meetings often and these meetings were taking long periods, the time limit was important to us.

Slack: Main usage of slack was communicating with each other about subjects that have more importance than daily needs. Also, we were able to share GitHub links. So that, for being up to date on GitHub, it is crucial part of our communication.

Draw.io: Our team frequently needed diagrams. Draw.io is a platform where we can implement our ideas without any payment or any limitations about the used material number or size. Also, changing the format of to file to .png or .jpg file eased our tasks.

LucidChart: When team needed diagrams we used this application as another choice. It is easy to use and it has tools which implements our needs easily. The negative part of this application is it comes with some limitations in free version. Still, it was very useful in small diagrams.

Adobe XD: Our team used this program in creation of mockups. It offers some handful properties such as two users can implement same file at the same time. Also, it has designing tools. We could add predefined structures directly or via modifying them.

Online-Stopwatch.com (Duck Race): We sometimes used this tool for deciding which person should take which part of the main task. Because of the funny way of getting randomness of it, we enjoyed in times which we distribute project roles.

GitHub: Our project is on GitHub. It uses git and updating a project is very easy. Also, it gives power to document our project clearly. We are able to share information about our meetings, weekly efforts, profiles etc. Issue property is also very useful. Issues are used to divide tasks to our group members and specifying the needs of the project in a proper manner.

5. A Summary of Work Done by Each Team Member

Team Members	Contribution
Gülşah Çilingiroğlu	Customized issue labels Created personal Wiki page Attended all meetings except one Researched GitHub Repositories and added one to Favorite Github Repositories page Created user scenario 3 with Ekin and Ekrem Created user scenario 4 and added updated photos of the mockup to the Wiki page Attended customer meetings Contributed to use case diagram Contributed to class diagram, drew the first draft Created a sequence diagram (create community) Created project plan with Safa and Gökberk Added my information to the Responsibilty Assignment Matrix
Berkay Demirtaş	Participating all of the meetings Research about git. Investigation on some Repos to find favourite git repo. Creating personal wiki page. Determining non-functional requirements with Gökberk Yılmaz Creating comparision table with Gökberk Yılmaz Creating Mockup for community creation with Onur Sefa Özçıbık and Gökberk Yılmaz Creating use case and class diagram with my teammates and creating a sequence diagram about messaging Updating the use case diagram according to customer feedback Updating the class diagram according to customer feedback with Taha Kalkanlı Updating requirements according to use case and class diagrams with Taha Kalkanlı Added my information to the Responsibilty Assignment Matrix

Safa Burak Altunel	Actively participated in all the meetings except one because I was at hospital. Took all the meeting notes except one that I didn't join. Edited the navigation bar at the side of the wiki page. Edited my personal wiki page and added my photo. Made a research about favorite Github repositories and wrote a description of that repository and why I liked it. Created poll for selecting the project. Shared one git study resource on the git study resources page. Discussed the user requirements and questions related with user requirements with Onur Sefa and Enes. Organized the Requirements wiki page, added inline links, added some words to the glossary and posted User requirements on that page. Discussed scenario 1 with Taha and Enes. Added updated photos of the mockup of scenario 1 to the Wiki page. Attended all the customer meetings and asked my questions to clarify the project. Continuously reviewed requirements and updated regarding our decisions. Created use case and class diagrams as a team. All the team members participated in creating use case and class diagrams. Created sequence diagram for creating post types. Created project plan with Gülşah and Gökberk

Enes Aydoğduoğlu	Participating all of the meetings Researched about github Searched GitHub Repositories and add one of them to Favorite Github Repositories page Created personal Wiki page and updating it weekly Created User Requirements with Onur Sefa and Safa Burak Created questions page and added the questions about user requirements Attended the Customer Meeting Created User Scenario 1 with Safa Burak and Taha Created User Scenarios and Mockups page and documented the user scenario 1 on this page Contributed in creating Use Case Diagram Contributed in Creating Class Diagram Created Search(Community,User,Post) Sequence Diagram Prepared the third item of the Milestone Report (Evaluation of the status of deliverables and its impact on your project plan.) Added my information to the Responsibility Assignment Matrix.
Muhammet Ekrem Gezgen	Created personal Wiki page. Customized 2 issue labels. Attended all meetings except one. Created User Scenario 3 with Ekin and Gülşah Attended customer meetings. Contributed to use case diagram and drawed it. Contributed to class diagram. Created a sequence diagram (Advanced Search). Added my information to the Responsibility Assignment Matrix. Created the document of Milestone 1.

Ekin Güngör	As the communicator of the group I stayed in contact and arranged meetings with Suzan Üsküdarlı and Egemen İşbil. Regularly and actively attended to all the group meetings. I was one of three people worked on System Requirements Elicitation. I have actively contributed to this work and delivered the final System Requirements list to the team. I have contributed to the preparation of the Scenario 3 and prepared all mockup frames of the Scenario 3. I have made the verbal and visual presentation of all 3 of our scenarios and mockups to Suzan Üsküdarlı, in the lecture hour. Then received feedback to create 4th Scenario. I have prepared all mockup frames of Scenario 4. I have presented the Scenario 4 and its mockups to Suzan Üsküdarlı and Egemen İşbil. I have attended to all of the meetings to create Use Case Diagram and Class Diagram. Actively contributed to the design of both. I have created the sequence diagram of the “Comment on A Post”. I have prepared the “Executive Summary” part of the First Milestone. I have created my own wiki page, added my favorite GitHub repository to the “Favorite Github Repositories” section, and created our README.md file

Sabri Gökberk Yılmaz	Participated all meetings except one. I had an exam and a deadline for the next day and it was already our 5th meeting within that week. Studied and made a research about git as a version management system Investigated popular git repositories and picked one as my favorite. I explained why I picked it and shared it on our wiki page for my friends to see. Created personal wiki page Determined non-functional requirements with Berkay Demirtaş Prepared some questions to get the requirements better. Compared our project with existing software, Instagram, Twitter, Facebook, and Reddit. Prepared a comparison table with Berkay Demirtaş. Created mockup scenarios with my team. Worked on scenario 3 with Onur and Berkay. Attended all customer meetings Created use case and class diagrams with my team. Determined all sequence diagrams to be done with my team. Made the sequence diagram of banning a member from community Created project plan with Gülşah and Safa Added my information to the responsibility assignment matrix
Taha Kalkanlı	Attended to the all group meetings. Met with my teammates and introduced myself. Prepared personal wiki page. Prepared system-requirements of the project and system-requirements related questions with Ekin and Ekrem. Contributed to the Glossary page of project requirements. With Safa and Enes Created a scenario which the user signs in, views a post and engages in a discussion and later gets notified for. Also prepared the mockups for that scenario. Attended the meetings in which we all prepared the use case diagram and halfly completed the class diagram. Completed the class diagram and shared it with my group so they can review it. In week 6, we reviewed the sequence diagrams of all the group members and underlined the changes that had to be made to the class diagram. In week 7, Berkay and I reevaluated all the work we have done until now, and fixed it according to the feedback we got from our TA and other group members.

Onur Sefa Özçıbık	Attending all of the meetings. Search about git and GitHub. Creation of personal wiki page and making it up to date. Creation of Home Wiki page and making it up to date. Preparation of the Functional User Requirements and making related glossary of it. Preparation of related questions about requirements and meeting with customer to discuss it with him. Preparation of the scenario number 2. Making proper mockup for the scenario. Discussion of the scenario number 4. Preparation of the main parts of the class diagram and deciding the relation of the classes with each other, making main structure of the class diagram. Discussion and preparation of the use case diagram. Creation of “Create a Post According to a Post Type” and “Interact with a Post” sequence diagrams. Preparation of the RAM table template. Reviewing needed documents and contents related to project. Addition of my information to RAM.

6. Deliverables

6.1 Communication Plan

Meeting Type	Who	Purpose	When	Where
Weekly Meeting 1	All team members	Planning the tasks of the week	On Tuesdays	On Discord
Weekly Meeting 2	All team members	Review the completed tasks and make some adjustment if necessary	On Sundays	On Discord
Slack messages	All team members + teaching assistant	Communicating with teaching assistant	When needed	On Slack
Urgent	All team members	Urgent messages and calls about projet	Anytime	Whatsapp + Discord

6.2 Requirements

Glossary

- **Accessible:** Community/Profile that appearing in search results.
- **Admin:** The main rulers of the application. This position is only for application developer team.
- **Community:** A platform with some ideology around particular subject. It is the main communication channel to share created purposeful content.
- **Community Admin:** Superior manager of a community. This person manages all the data of the community and the community members
- **Community Creator:** User who created a community. This user is able to modify his/her community and its members.
- **Community Member:** User who joined to a community to experience or joy. The user can reach to the content of the community.
- **Community Post Types:** Varios post types in a community, either created and customized by community creator or given default(text and event).
- **Community Imperatives:** Compulsory fields that must take place in any of the community post types.
- **Content:** Anything published in a Community.
- **Default Posts:** "Community Post Types" that exist without the effort of community creator, upon a creation of a community. Text and Event.
- **Direct Message:** Communication style that allows two users to chat privately.
- **Engaging discussion:** Replying a comment.

- **Event:** A content which is an invitation and announcement for some activities.
- **Field:** A single piece of information that is part of a post or a template.
- **Follower:** A user who wants to see some other users content. To be a Follower, the user should be approved by the aimed user.
- **Guest User:** Person who is not registered to the application. This person still can use the application with some restrictions.
- **Manifest:** Introduction text of a user or a community to give brief explanation about themselves to other users.
- **Non-Follower:** A user who does not follow the specified user.
- **Post:** A content which has predefined structures to bring out some experience a user acquired or cumulate some knowledge.
- **Profile Page:** A personal page for every other user to show personal data to other users.
- **PSP (Purpose Spesific Post) Template:** Basic post template that could be configured to made a community default by creator for members to use. Provided by the system.
- **Public Content:** Content which is visible to not only subscribers, but all users and guests.
- **Subscription:** Action that a user can take. After the subscription, a user can reach all the content from subscribed community.
- **Turning on notifications of a post:** The action of receiving notifications about any interactions related to the post.
- **User:** Person who registered to the application. This person can use all benefits of the application. For example he/she can create or join to a community while being able to keep contact with other users.

1. Functional Requirements

1.1. User Requirements

1.1.1. Sign Up

- **1.1.1.1.** Users shall be able to start the sign up process by providing an e-mail and password. The e-mail shall be unique.
- **1.1.1.2.** Users should be able to start the sign up process by using their Google accounts.
- **1.1.1.3.** Users who initiated the sign up process shall be able to receive a verification e-mail.
- **1.1.1.4.** Users who used Google account for sign up should be able to skip the verification step.
- **1.1.1.5.** Users who verified their e-mail address shall select a user name for their profile to complete the sign up process. User name shall be unique.

1.1.2. Sign In

- **1.1.2.1.** Registered users shall be able to sign in via username/password or e-mail/password.
- **1.1.2.2.** Registered users who signed up by their Google account should be able to sign in via their Google account.
- **1.1.2.3.** Registered users who signed in shall be able to sign out successfully.

1.1.3. Guest Users

- **1.1.3.1.** Guest users shall be able to search for **accessible** communities and profiles.
- **1.1.3.2.** Guest users shall be able to view the **public content** of communities and profiles.

1.1.4. Registered Users

- **1.1.4.1. Common Features**
  - **1.1.4.1.1.** Registered users shall inherit the Guest users' requirements specified in requirement 1.1.3.
  - **1.1.4.1.2.** Registered users should be able to specify the level of privacy of their profiles.
  - **1.1.4.1.3.** Registered users shall be able to delete their profiles.
  - **1.1.4.1.4.** Registered users shall be able to subscribe to public communities.
  - **1.1.4.1.5.** Registered users shall be able to send request for subscribing private communities to the community admins.
  - **1.1.4.1.6.** Registered users shall be able to leave communities that they have subscribed before.
  - **1.1.4.1.7.** Registered users shall be able to send direct messages to the profiles they are following.
  - **1.1.4.1.8.** Registered users shall be able to send direct message request to the profiles they are not following.
  - **1.1.4.1.9.** Registered users shall be able to edit their profile page.
  - **1.1.4.1.10.** Registered users should be able to send invitations to their friends.
  - **1.1.4.1.11.** Registered users shall be able to reset their password. The resetting process starts with a verification e-mail.
  - **1.1.4.1.12.** Registered users shall be able to report the content they find inappropriate or offensive.
- **1.1.4.2. Community Member**
  - **1.1.4.2.1.** Community members should be able to contribute to content in a Community within the predetermined ranges that Community Creator has ruled:
    - Creating Posts
    - Creating Events
    - Attending Events
    - Commenting
    - Hitting the like button
    - Tagging a different Post
    - Tagging a different Community
    - Posting Questions
    - Engaging Discussions
    - Responding
    - Attaching material
  - **1.1.4.2.2.** Community members shall be able to specify participation status to Events
  - **1.1.4.2.3.** Community members shall be able to view Community Posts and Events

    - **1.1.4.2.4.** Community members shall be able to view Community's other members.
    - **1.1.4.2.5.** Community members shall be able to turn on notifications of posts published in the community.
- **1.1.4.3. Community Admin**
    - **1.1.4.3.1** Community admins shall inherit the Community Member's requirements specified in requirement 1.1.4.2.
    - **1.1.4.3.2.** Community Creator is the default Community Admin.
    - **1.1.4.3.3.** Community admins shall be able to give authorization to the Community members.
    - **1.1.4.3.4.** Community admins shall be able to set privacy options of the Community.
    - **1.1.4.3.5.** Community admins shall be able to warn Community Members because of hazardous posts or events.
    - **1.1.4.3.6.** Community admins shall be able to remove Community Members from the Community because of hazardous posts or events.
    - **1.1.4.3.7.** Community admins shall have no limits in contributing the Community content.
    - **1.1.4.3.8.** Community admins shall be able to publish/edit the Community Manifest
    - **1.1.4.3.9.** Community admins shall be able to close the Community.
    - **1.1.4.3.10.** Community admins shall be able to create **Community Post Types** for the purpose of the Community.

1.2. System Requirements

1.2.1. Recommendation

- **1.2.1.1.** System shall be able to recommend content and persons of interest.

1.2.2. Notification

- **1.2.2.1.** Users who turned on their notifications to a post shall be notified with the developments on that post.
- **1.2.2.2.** App should provide notifications to the notification center of the mobile device.

1.2.3. Authorization

- **1.2.3.1.** Users who accept the invitations shall re-authorized.
- **1.2.3.2.** Users removed from the community will be re-authorized according to the communities privacy options.
- **1.2.3.3.** According to the community privacy options users having the right to see the posts shall be authorized accordingly.

1.2.4. Community

- **1.2.4.1.** Posts, shared by authorized members shall be displayed on the community timeline.
- **1.2.4.2.** Users shall be authorized according to the community creators decisions.
- **1.2.4.3.** Posts shall have comment section.
- **1.2.4.4.** Post histories of communities will be stored.

1.2.5. Searching/Filtering

- **1.2.5.1.** Upon searching related communities, people and posts shall be indexed.
- **1.2.5.2.** Upon searching, search history will be displayed.
- **1.2.5.3.** Users shall be able to search and filter posts according to the specific post type and its fields.

1.2.6. Home Page

- **1.2.6.1.** System shall provide search bar, tabs and community posts.
- **1.2.6.2.** System should provide community posts that users are registered.

2. Non-Functional Requirements

2.1. Security

- **2.1.1** User passwords and messages shall be encrypted or hashed
- **2.1.2** The system shall use https Protocol
- **2.1.3** Registration shall require either mobile or mail activation to avoid fake accounts and trolls

2.2. Performance

- **2.2.1.** ## users shall be supported
- **2.2.2.** ## requests shall be responded
- **2.2.3.** ## shall be the maximum response time

2.3. Availability

The product shall work as both:

- Web application
- Android app

2.4. Standarts

- **2.4.1.** The system shall use the W3C activity stream standard 2.0 to implement subscriptions and notifications
- **2.4.2.** The semantics tagging shall be supported by wikidata.org

2.5. Privacy

- **2.5.1.** User data shall be protected with compliance to KVKK
- **2.5.2.** Users shall accept privacy policy and user terms before they start using the product

6.3 Scenarios and Mockups

6.3.1 Scenario 1

Persona

- Ahmet Yıldız
- 22 years old
- Student
- Currently pursuing bachelor's degree
- Part-time software developer
- Interested in artificial intelligence
- Crazy about hiking and camping
- He loves listening to music while coding

Story

- Ahmet is a junior CMPE student at Bogazici University
- He is a very hard-working and determined student.
- Ahmet loves the department that he is studying and does everything he can to be a good computer engineer.
- In addition to being a hard-working student, Ahmet is a very social person.
- Ahmet constantly follows the activities of school clubs and loves participating in camping activities.
- He uses an application that can follow college club's events.

Preconditions

- Ahmet has already signed up to the application.
- Ahmet previously had subscribed to some communities.

Acceptance Criteria

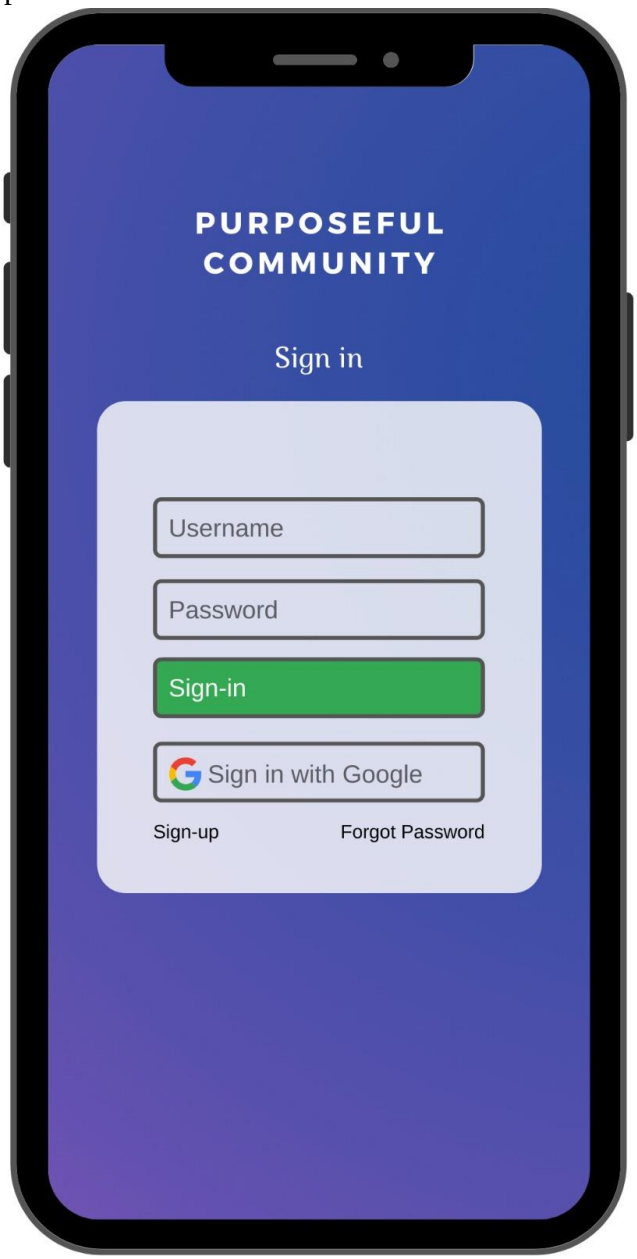
- 1.1.2.1. Registered users shall be able to sign in via username/password or e-mail/password.
- 1.1.4.2.1. Community members should be able to contribute to content in a Community within the predetermined ranges that Community Creator has ruled.
- 1.1.4.2.2. Community members shall be able to specify participation status to Events.
- 1.1.4.2.3. Community members shall be able to view Community Posts and Events.
- 1.1.4.2.4. Community members shall be able to view Community's other members.
- 1.1.4.2.5. Community members shall be able to turn on notifications of posts published in the community.
- 1.2.2.1. Users subscribe to the post shall be notified with the developments on that post.
- 1.2.4.1. Posts, shared by authorized members shall be displayed on the community timeline.
- 1.2.4.3. Posts shall have comment section.
- 1.2.6.1. System shall provide search bar, tabs and community posts.
- 1.2.6.2. System should provide community posts that users are registered.

Scenario with Mockups

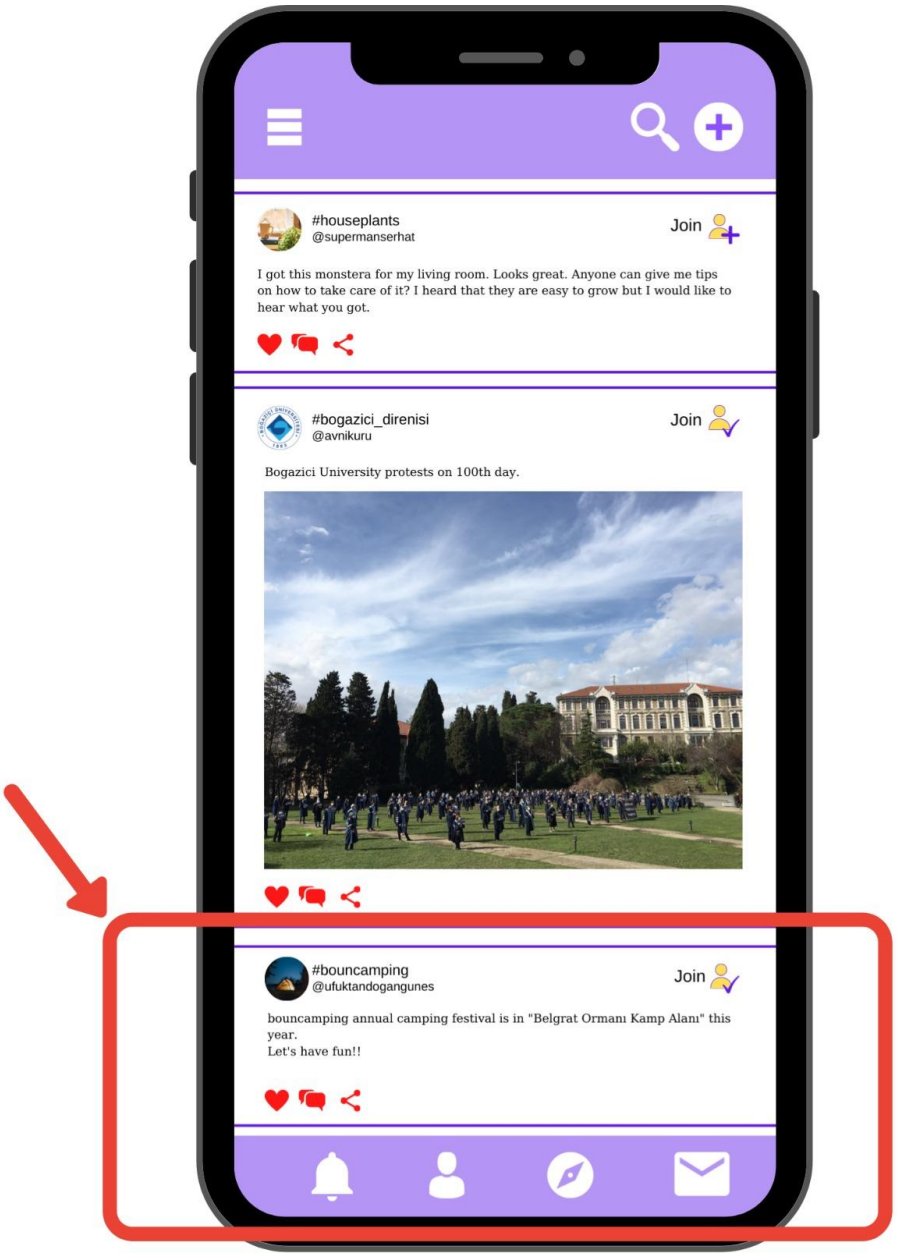
- Ahmet got tired while studying and took a break.
- He took his phone and opened the application.
- He previously had registered to the application so, he entered his e-mail address and password and he signed into the application.
- He saw #bouncamping's post on feed page. This post was about camping event and attracted his attention.
- This post, whose type is determined by the creator, contains the button "I will participate". Also this post has a counter showing the number of people who clicked the "I will participate button".
- Ahmet clicked the "I will participate button".
- "Can those who are considering participating in the event please click the "I will participate button"? Because I am worried about Covid-19, I do not think to come if the number of participants will be greater than 20." Ahmet left this comment under the post.

- He turned on notifications of the post because he wanted to be notified about the number of participants.
- When he re-entered the app after a while, he saw that there were some notifications.
- When he clicked on the notification bar, he saw that 30 people click the "I will participate button".
- Because he hesitates over covid-19, he gave up on participating in camping event.

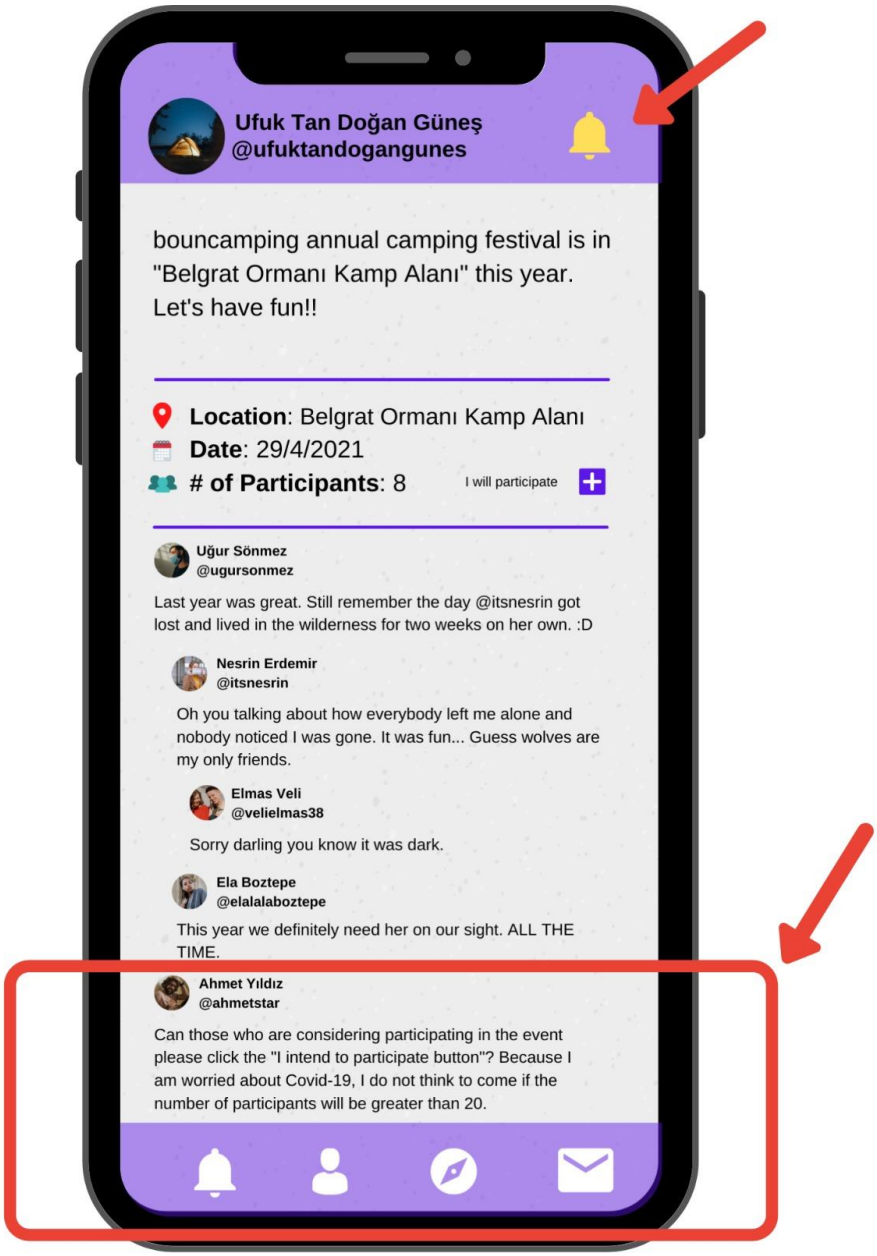
1- Ahmet signed into app.



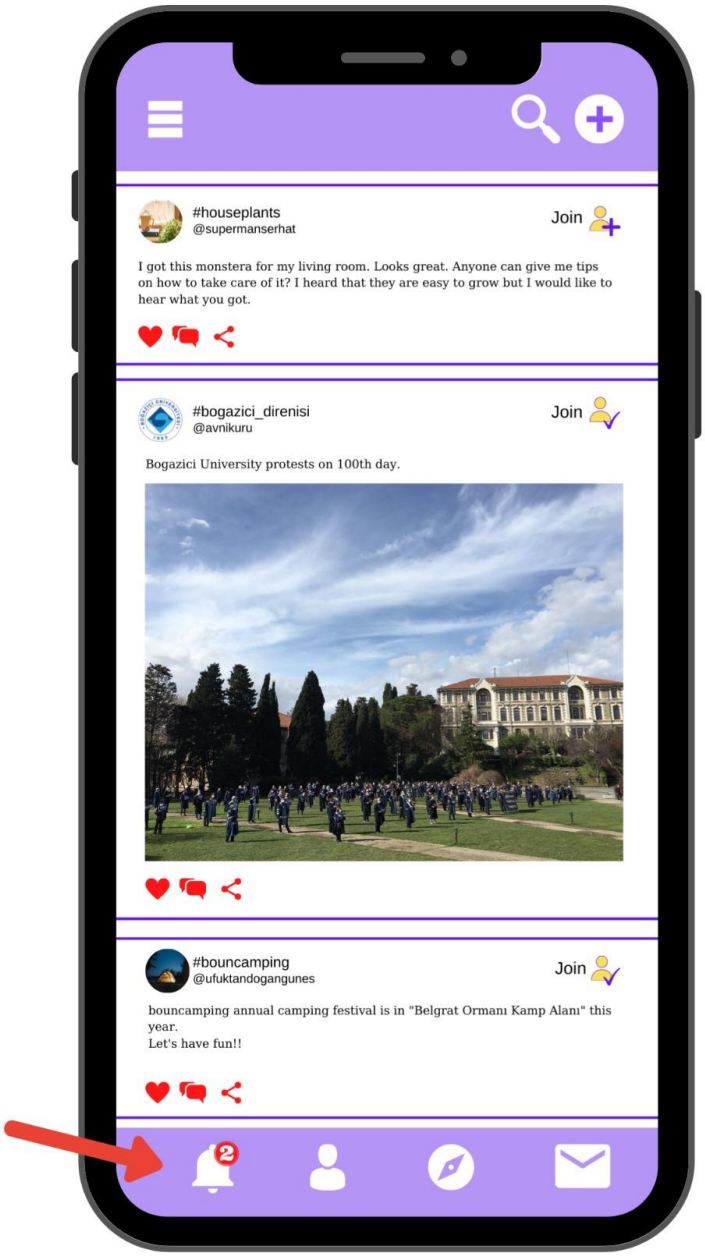
2- When signed into the application, the feed page appeared at first. #bouncamping's post took his attention.



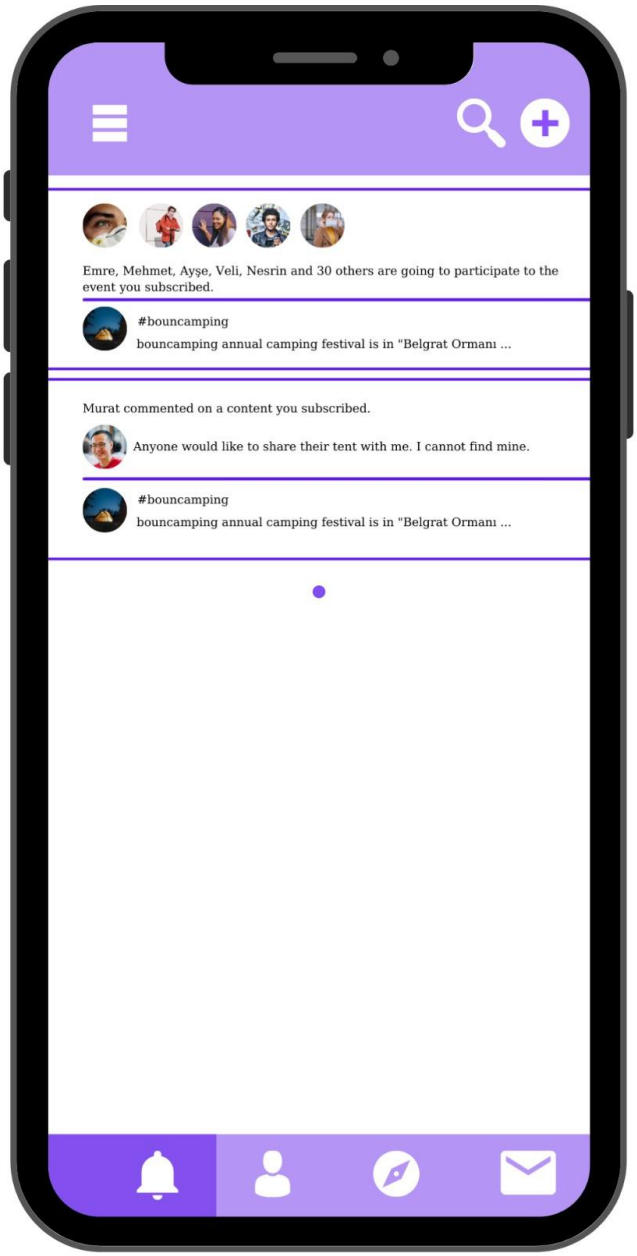
3- He clicked on the post to see the detailed content of the post. He clicked the participation button, left a comment under post and he subscribed to the post(clicked to the bell button).



4- When he re-entered the app after a while, he saw that there were some notifications (there was a mark on notification bar).



5- He clicked on the notification bar and saw app's notifications.


Emre, Mehmet, Ayşe, Veli, Nesrin and 30 others are going to participate to the event you subscribed.
#bouncamping
bouncamping annual camping festival is in "Belgrat Ormanı ...
Murat commented on a content you subscribed.
Anyone would like to share their tent with me. I cannot find mine.
#bouncamping
bouncamping annual camping festival is in "Belgrat Ormanı ...

6.3.2 Scenario 2

Persona

- Gökberk Yılmaz
- 21 years old
- Event Organizer
- Currently pursuing bachelor's degree
- Leader of Compec in Bogazici university

Story

Gokberk Yılmaz is a computer engineering student in Bogazici University. Because he is interested in IT, he want to be a part of Compec. After 2 years of membership, he was elected as leader of the club. However many people are unaware of the club's meetings and events. Therefore he wants to solve this problem.

Goals

- He wants to promote his club.
- Therefore he wants to create a public community for his club.

Preconditions

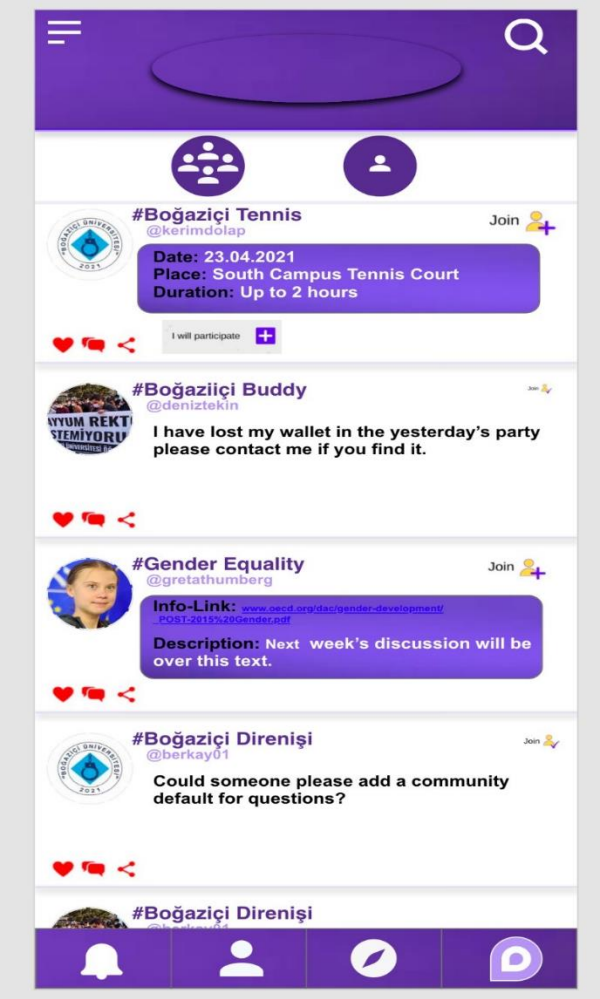
- Gökberk has already signed up to the application.
- Gökberk has already signed in to the application.
- Gökberk previously had subscribed to some communities.

Acceptance Criteria

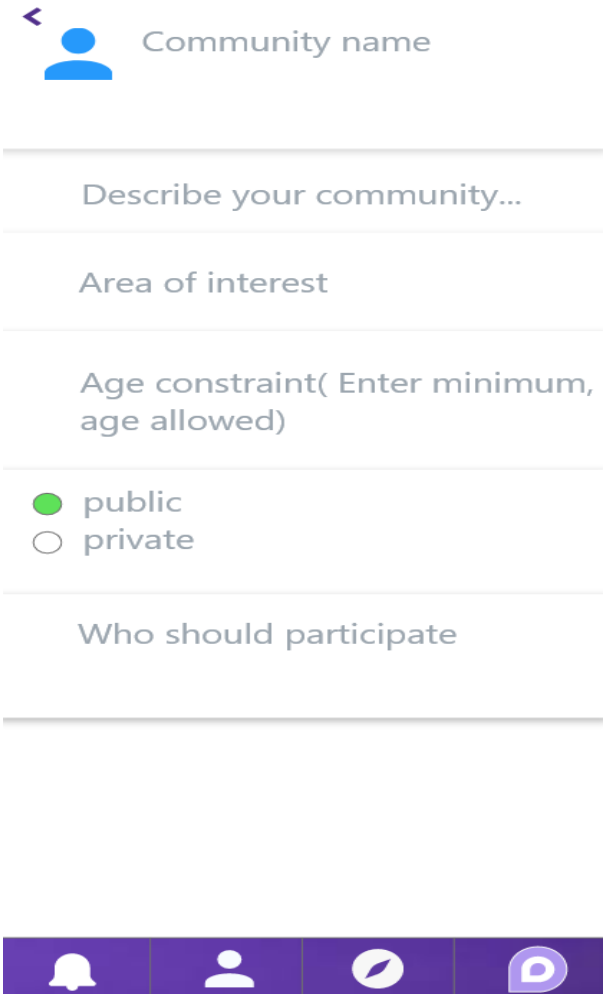
- 1.1.2.1. Registered users shall be able to sign in via username/password or e-mail/password.
- 1.1.4.3.4. Community admins shall be able to set privacy options of the Community.
- 1.1.4.3.3. Community admins shall be able to give authorization to the Community members.
- 1.1.4.3.2. Community Creator is the default Community Admin.
- 1.1.4.3.8. Community admins shall be able to publish/edit the Community Manifest
- 1.2.3.1. Users who accept the invitations shall re-authorized.
- 1.2.4.2. Users shall be authorized according to the community creators decisions.

Scenario with Mockups

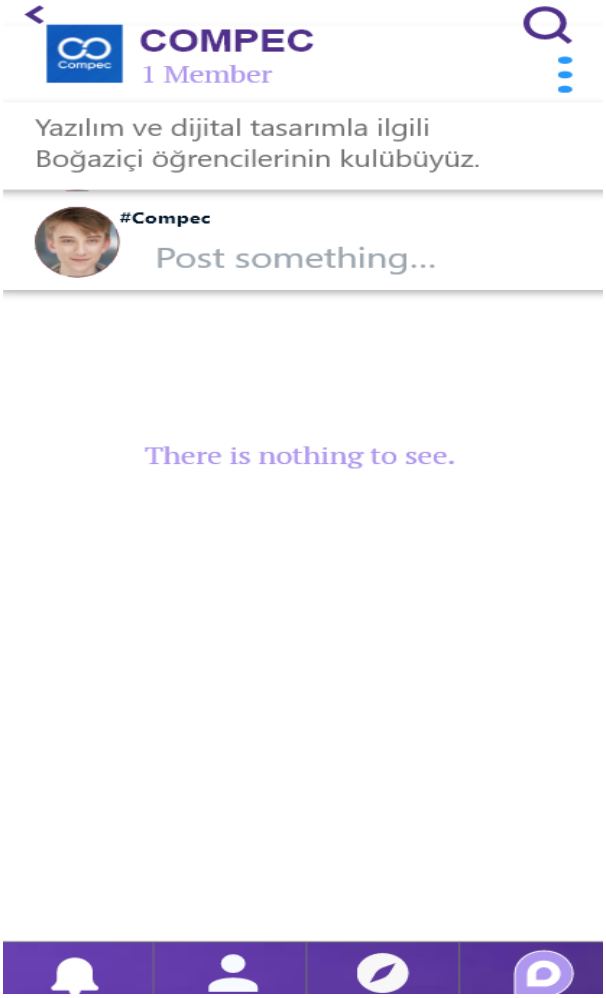
- He logs into his account and main page is opened



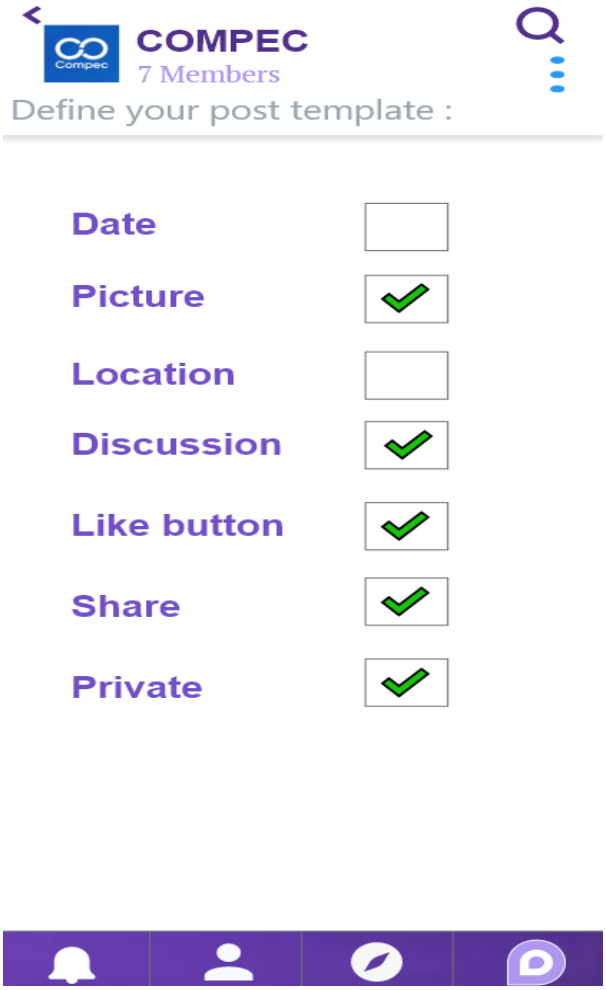
- He clicks create a new community button and writes some necessary informations about community



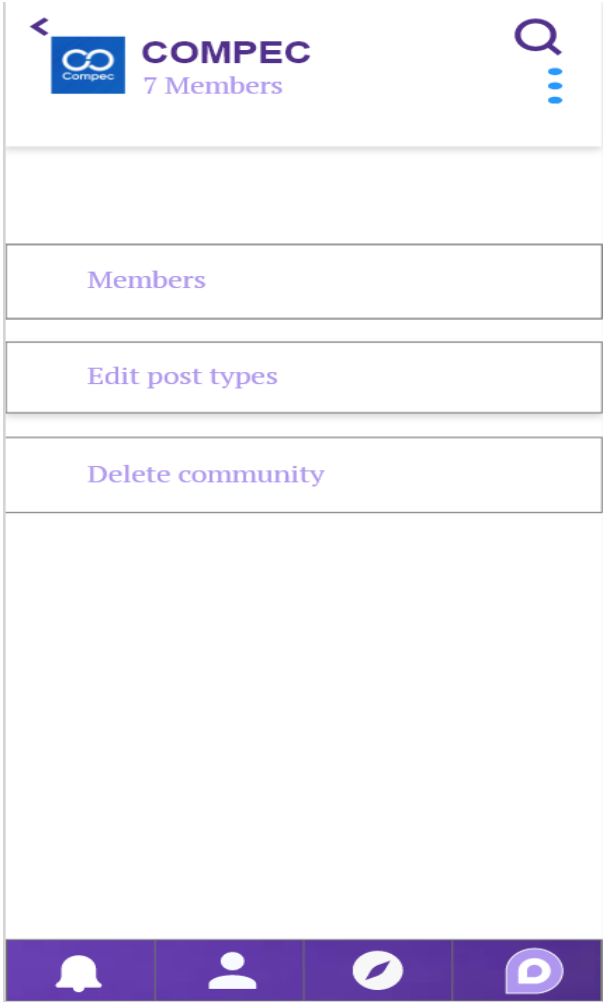
- App navigates him to community page



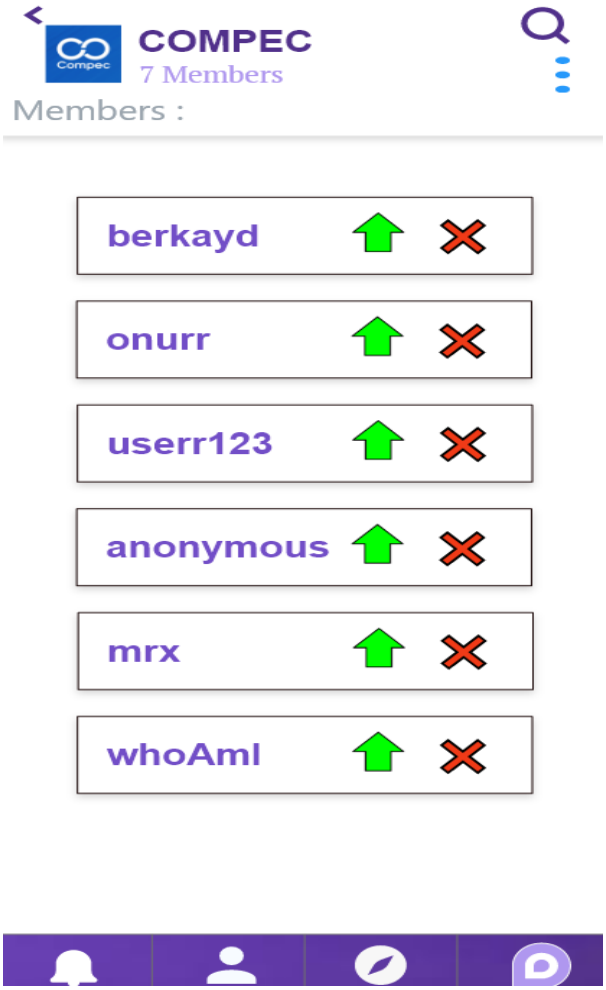
- He decides that some features and information fields of the posts should always be filled. Therefore he opens "edit post type" section and marks the necessary fields.



- After a few days, some new people join the community and Gökberk decides to promote " onurr " as moderator of the community. For that, he clicks " three dot ".



- He opens " members " section and clicks the green arrow of " onurr ".


COMPEC
7 Members
Members :
berkayd
onurr
userr123
anonymous
mrx
whoAml

6.3.3 Scenario 3

Persona

- Mabel Brooks
- 21 years old
- Currently pursuing bachelor's degree in Birmingham
- She is going to be in Bogazici University next semester as an Erasmus Student

Story

- Mabel Brooks is a Computer Science student in University of Birmingham.
- She is very excited about her next semester in Bogazici.
- In her last days in England, she wants to learn more about Bogazici, its courses and atmosphere.
- She even became a member of Bogazici Community in the app in order to meet some people and follow some student clubs before coming here.

Goals

- She wants to get to know Bogazici and discover new student clubs.
- She wants to find her department's community so that she can find answers to any question she may have about the department and courses.

Preconditions

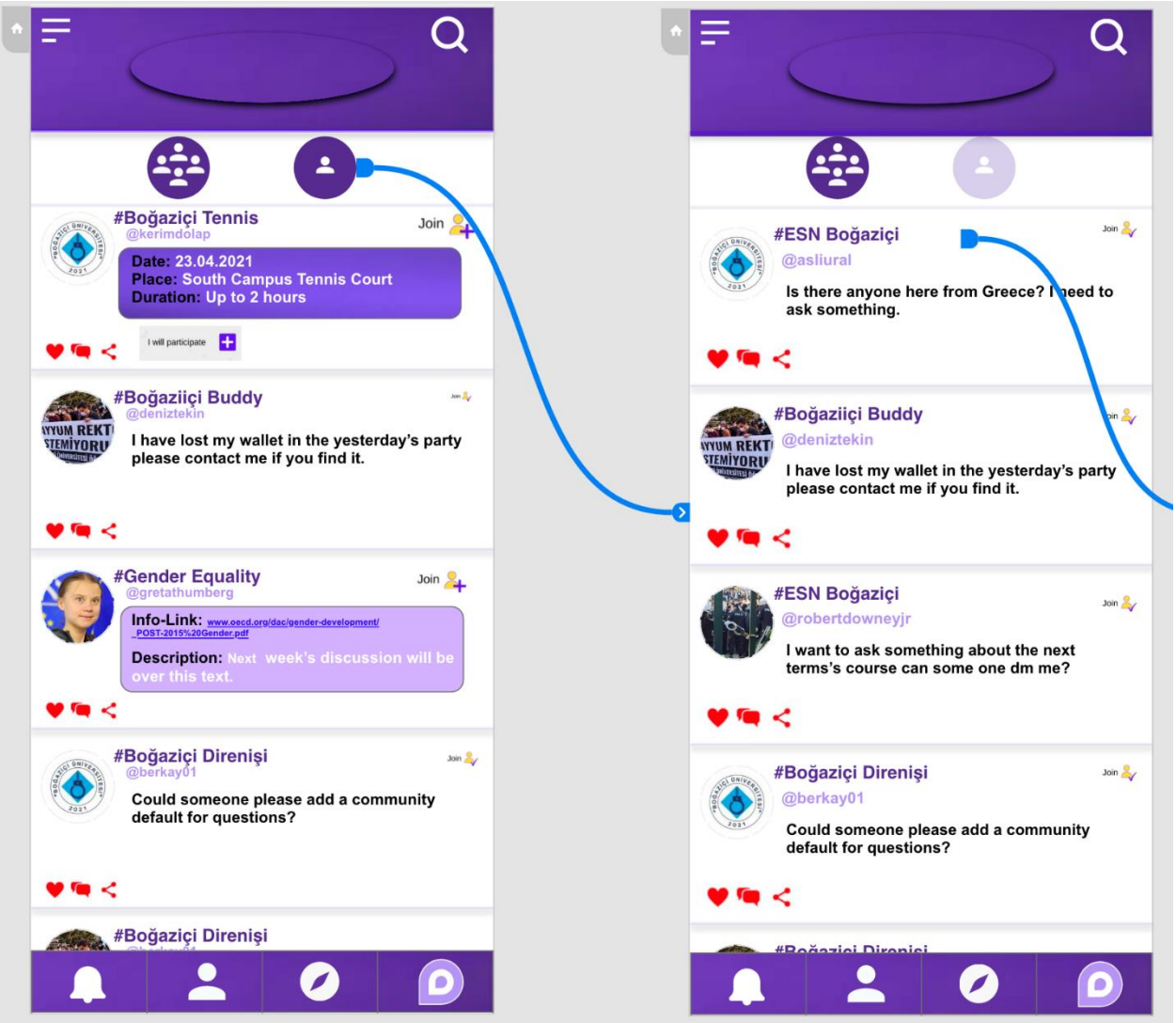
- Mabel has already signed up to the application.
- Mabel has already logged in to the application.
- Mabel previously had subscribed to Bogazici ESN, Boğaziçi Buddy and Boğaziçi Direnişi Communities.

Acceptance Criteria

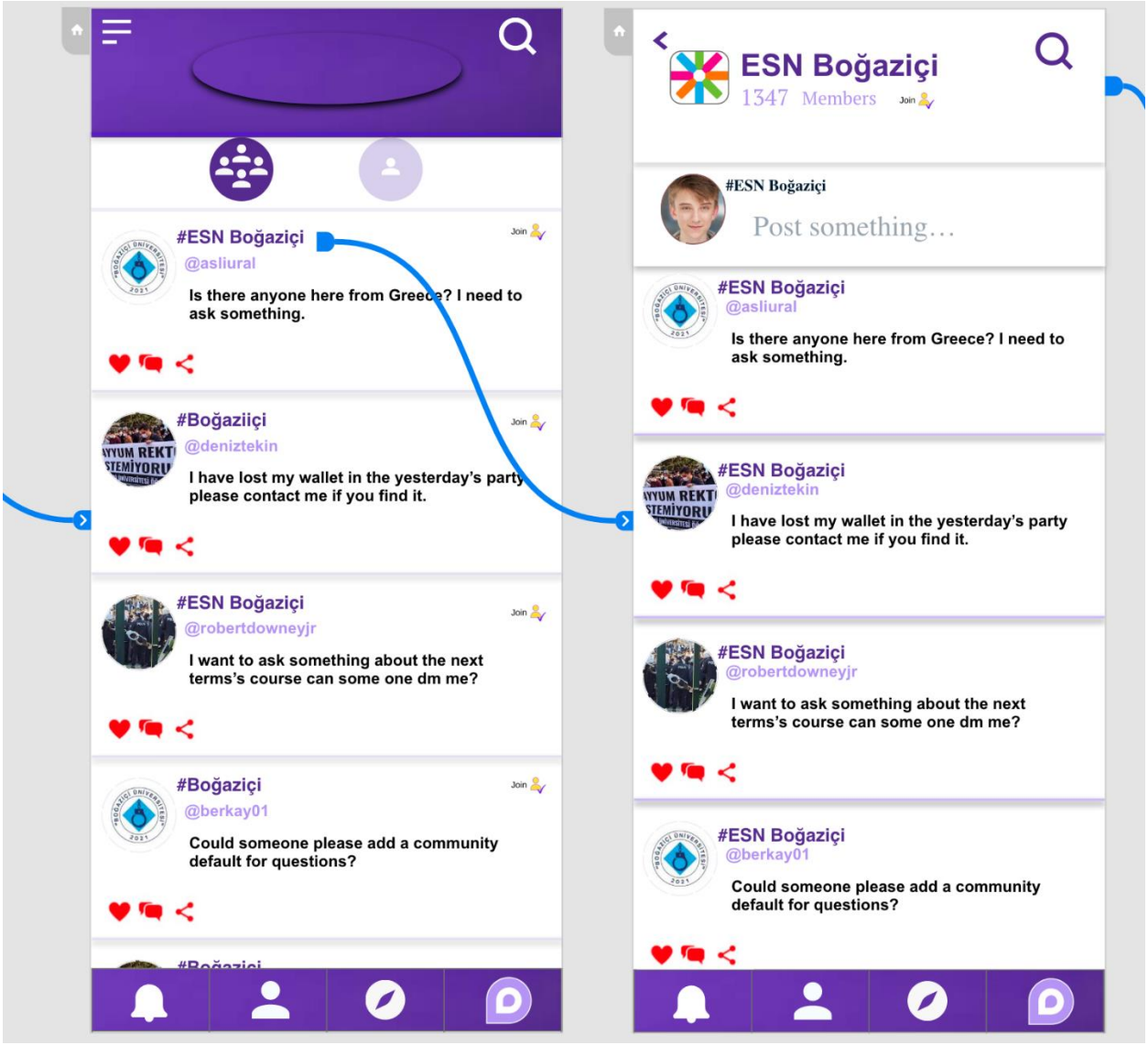
- 1.1.4.2.1. Community members should be able to contribute to content in a Community within the predetermined ranges that Community Creator has ruled.
- 1.1.4.2.3. Community members shall be able to view Community Posts and Events.
- 1.2.1.1. System shall be able to recommend content and persons of interest.
- 1.2.3.3. According to the community privacy options users having the right to see the posts shall be authorized accordingly.
- 1.2.4.1. Posts, shared by authorized members shall be displayed on the community timeline.
- 1.2.4.3. Posts shall have comment section.
- 1.2.5.1. Upon searching related people and posts shall be indexed.
- 1.2.5.2. Upon searching, search history will be displayed.
- 1.2.6.1. System shall provide search bar, tabs and community posts.
- 1.2.6.2. System should provide community posts that users are registered.

Scenario with Mockups

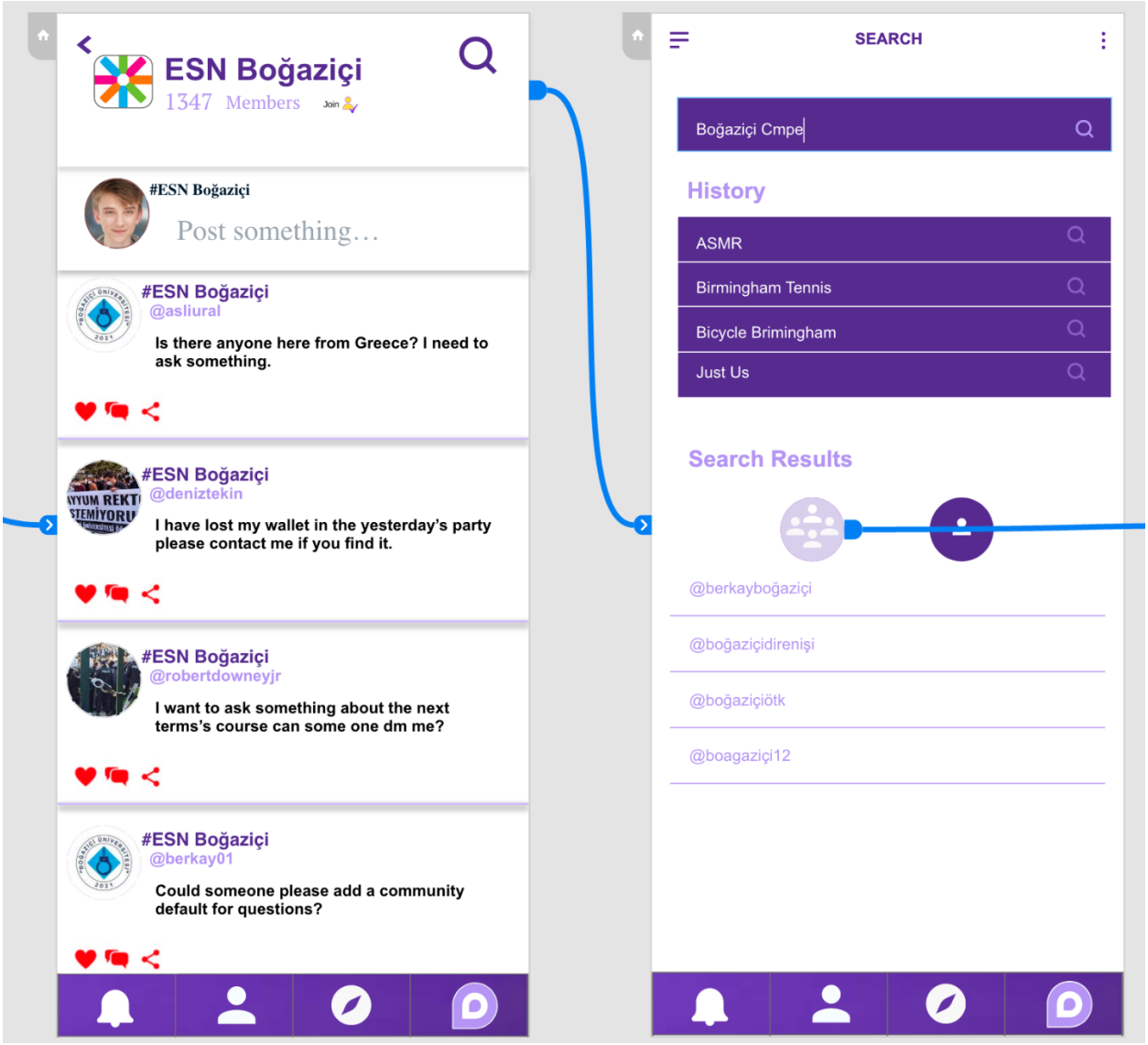
- She opened the app and scrolled down on the feed. She only wanted to see community posts, so she chose community filtering option.



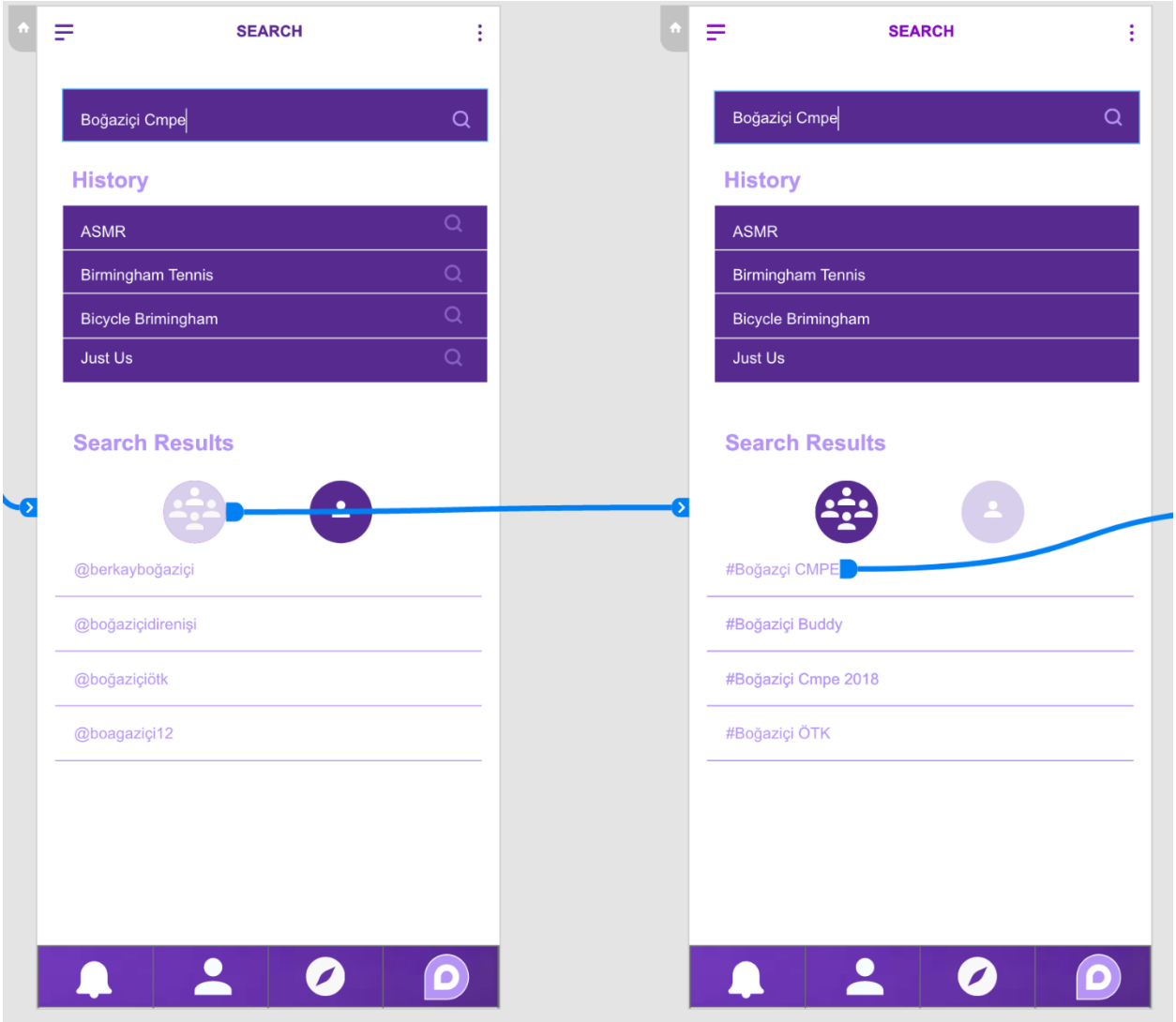
- She saw #ESN Bogazici post on the feed and went to community's page by clicking on the community name above the post.



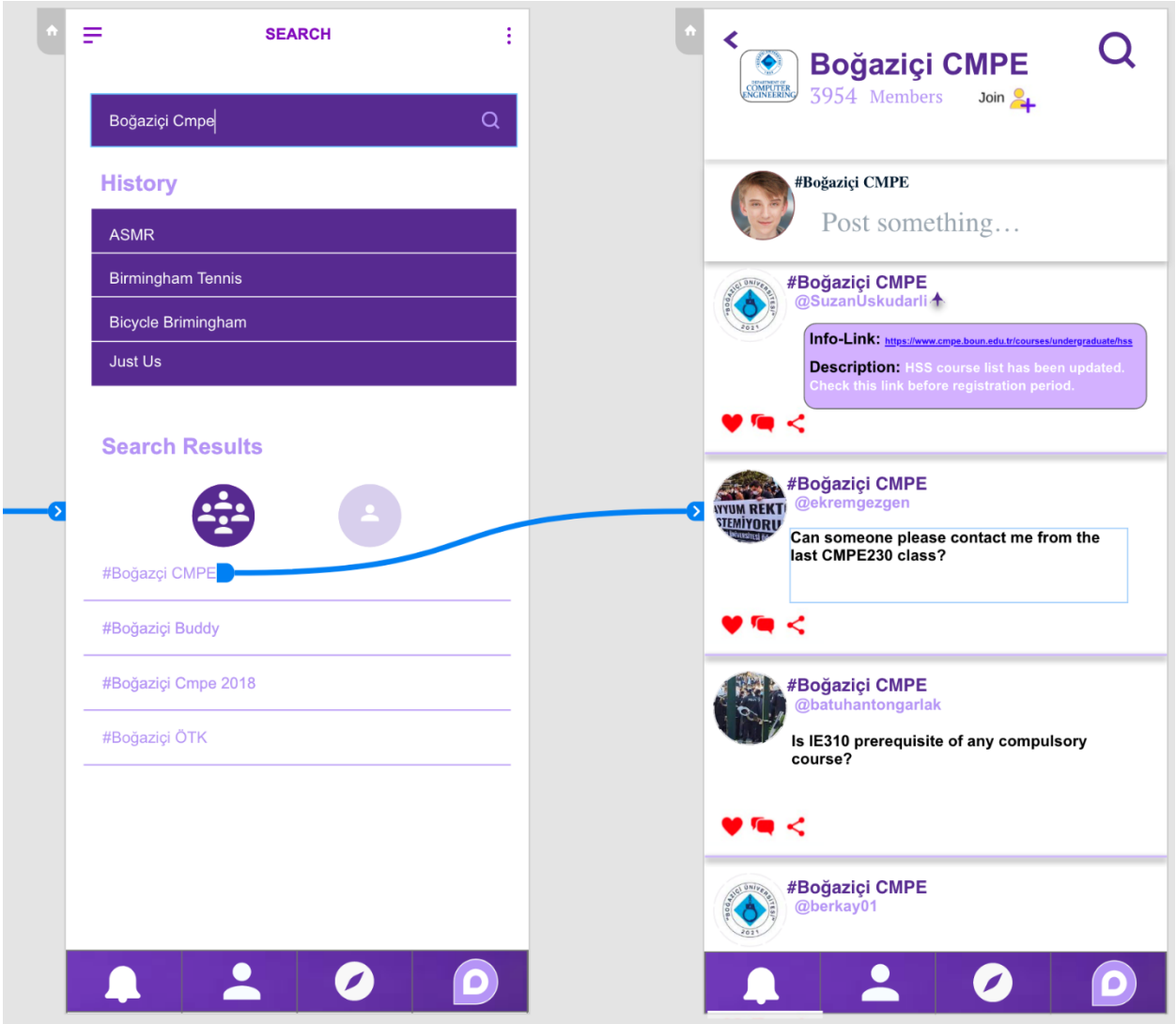
- She wanted to find someone in her department but there was not any post related to Cmpe or posted by someone in the department in ESN Community. In order to find the department's community, she clicked on the search button and typed 'Bogazici Cmpe' in the search box.



- At first, user profiles appeared in the search page as default. Below the search history, she saw the filtering option just as on the feed for community and user profiles.



- She chose community filter and found Bogazici Cmpe Community.


SEARCH
Boğaziçi Cmpe
History
ASMR
Birmingham Tennis
Bicycle Brimingham
Just Us
Search Results
#Boğazçi CMPE
#Boğaziçi Buddy
#Boğaziçi Cmpe 2018
#Boğaziçi ÖTK
Boğaziçi CMPE
3954 Members
Join
#Boğaziçi CMPE
Post something…
#Boğaziçi CMPE
@SuzanUskudarli
Info-Link: https://www.cmpe.boun.edu.tr/courses/undergraduate/hss
Description: HSS course list has been updated. Check this link before registration period.
#Boğaziçi CMPE
@ekremgezgen
Can someone please contact me from the last CMPE230 class?
#Boğaziçi CMPE
@batuhantongarlak
Is IE310 prerequisite of any compulsory course?
#Boğaziçi CMPE
@berkay01

6.3.4 Scenario 4

Persona

- Maria Sharapova
- She is 34 years old.
- She is a professional tennis player.

Story

- She came to Antalya for a tournament.
- After the tournament, she wants to stay there more and organize tennis events with talented young people who are interested in tennis.
- Since she dreams of settling in this city and become a tennis coach after her retirement, she wants to meet new people through these events.

Goals

- She wants to find new people to play tennis with by creating new community post type, tennis event.

Preconditions

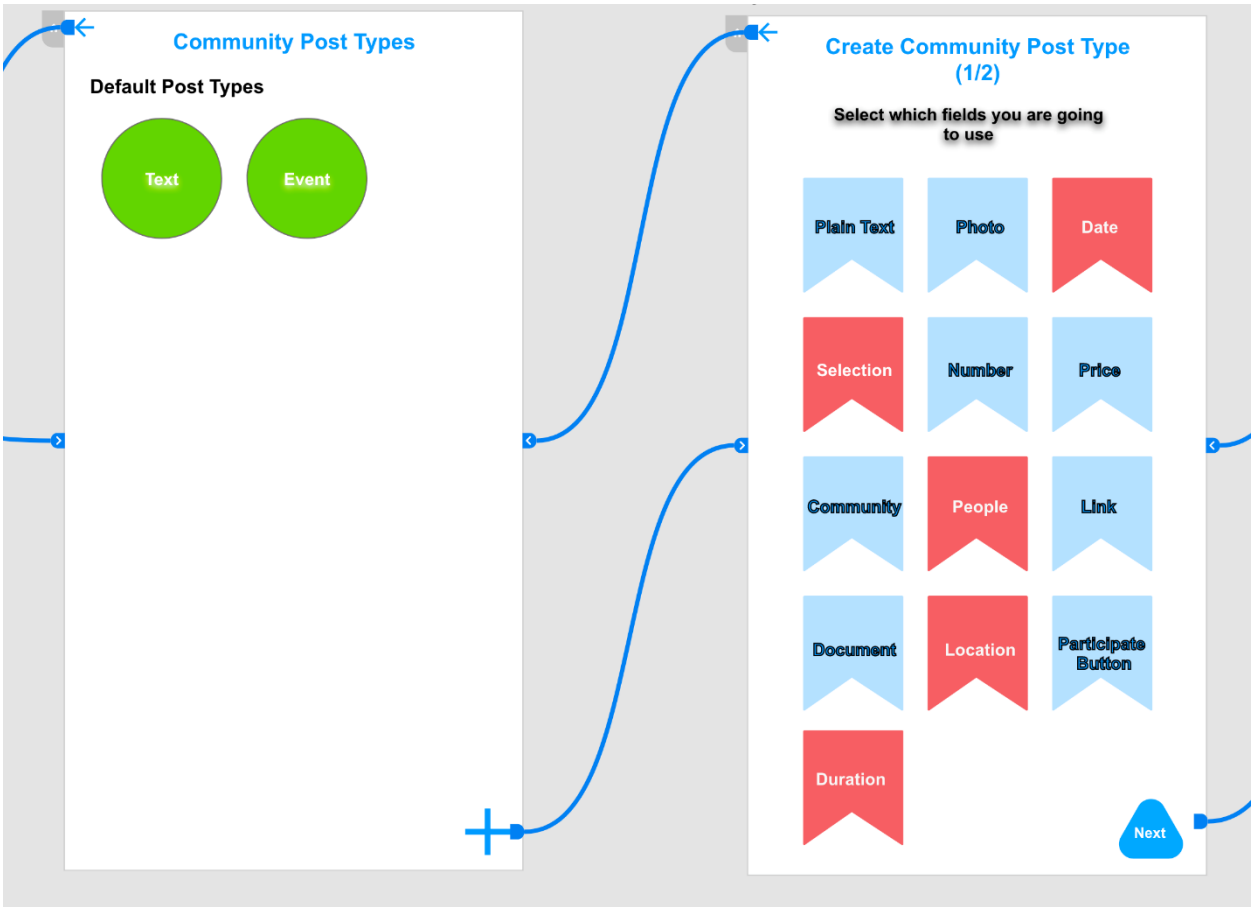
- She has already signed up to the application.
- She has already logged in to the application.
- She is the admin of Antalya Tennis Community.
- She has clicked settings of post types of Antalya Tennis Community.

Acceptance Criteria

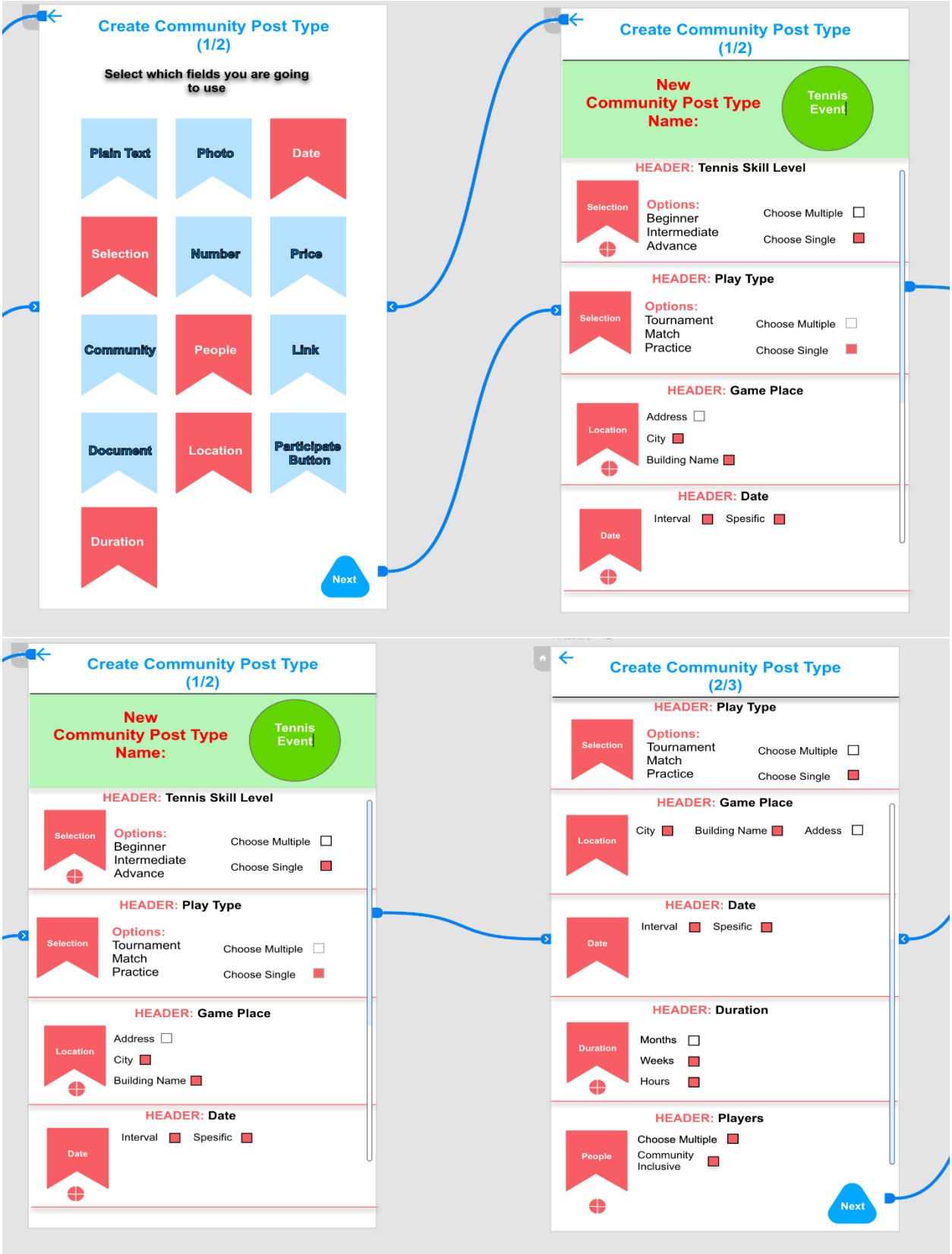
- 1.1.2.1. Registered users shall be able to sign in via username/password or e-mail/password.
- 1.1.4.3.10. Community admins shall be able to create Community Post Types for the purpose of the Community.

Scenario with Mockups

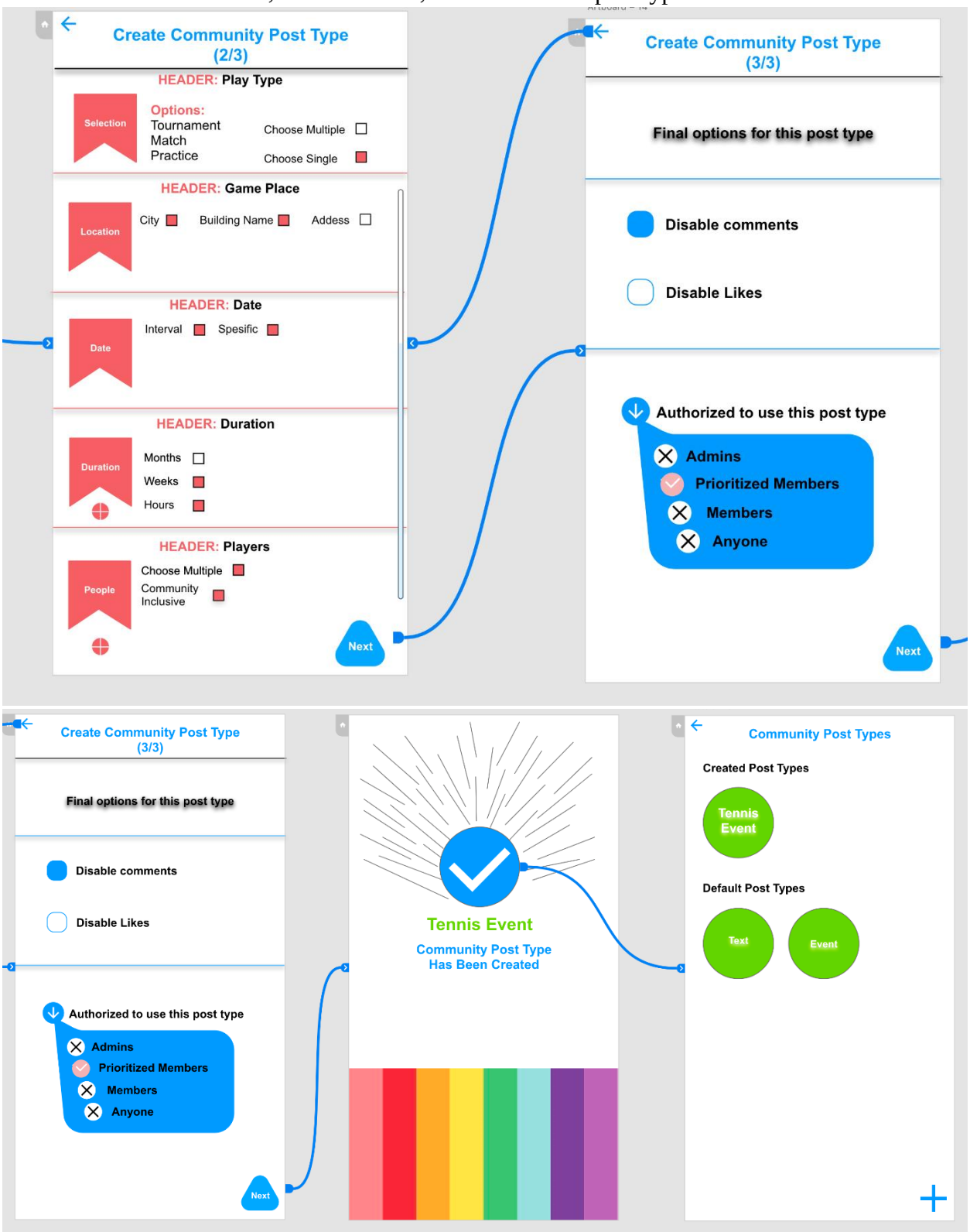
- She is on the community post types page in the Antalya Tennis Community. She clicks "+" button on the bottom right and the button navigates her to create post type page (1/2). On this page, there are default options to select. She selects the features that she wants it to be in the post type she will create.
- She is on the community post types page in the Antalya Tennis Community. She clicks "+" button on the bottom right and the button navigates her to create post type page (1/2). On this page, there are default options to select. She selects the features that she wants it to be in the post type she will create.



- On the page (2/2), she customizes the features she has selected.

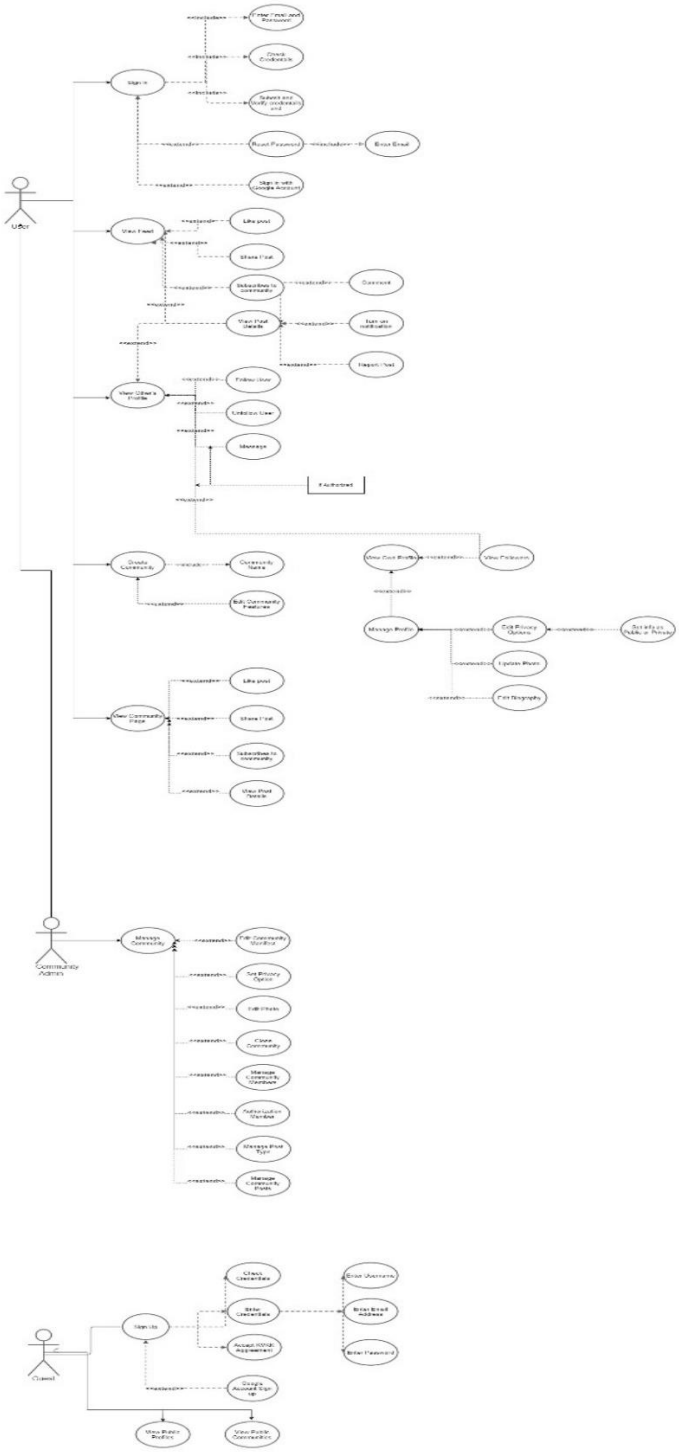

Create Community Post Type
(1/2)
Select which fields you are going to use
Plain Text
Photo
Date
Selection
Number
Price
Community
People
Link
Document
Location
Participate Button
Duration
Next
Create Community Post Type
(1/2)
New Community Post Type Name:
Tennis Event
HEADER: Tennis Skill Level
Selection
Options:
Beginner
Intermediate
Advance
Choose Multiple
Choose Single
HEADER: Play Type
Selection
Options:
Tournament
Match
Practice
Choose Multiple
Choose Single
HEADER: Game Place
Location
Address
City
Building Name
HEADER: Date
Date
Interval
Spesific
Create Community Post Type
(1/2)
New Community Post Type Name:
Tennis Event
HEADER: Tennis Skill Level
Selection
Options:
Beginner
Intermediate
Advance
Choose Multiple
Choose Single
HEADER: Play Type
Selection
Options:
Tournament
Match
Practice
Choose Multiple
Choose Single
HEADER: Game Place
Location
Address
City
Building Name
HEADER: Date
Date
Interval
Spesific
Create Community Post Type
(2/3)
HEADER: Play Type
Selection
Options:
Tournament
Match
Practice
Choose Multiple
Choose Single
HEADER: Game Place
Location
City
Building Name
Addess
HEADER: Date
Date
Interval
Spesific
HEADER: Duration
Duration
Months
Weeks
Hours
HEADER: Players
People
Choose Multiple
Community Inclusive
Next

- She clicks "OK" button on the bottom right and the button navigates her to community post types page. There are 3 different post types, 2 are under default post types, and the one she has created, "tennis event", is under created post types.

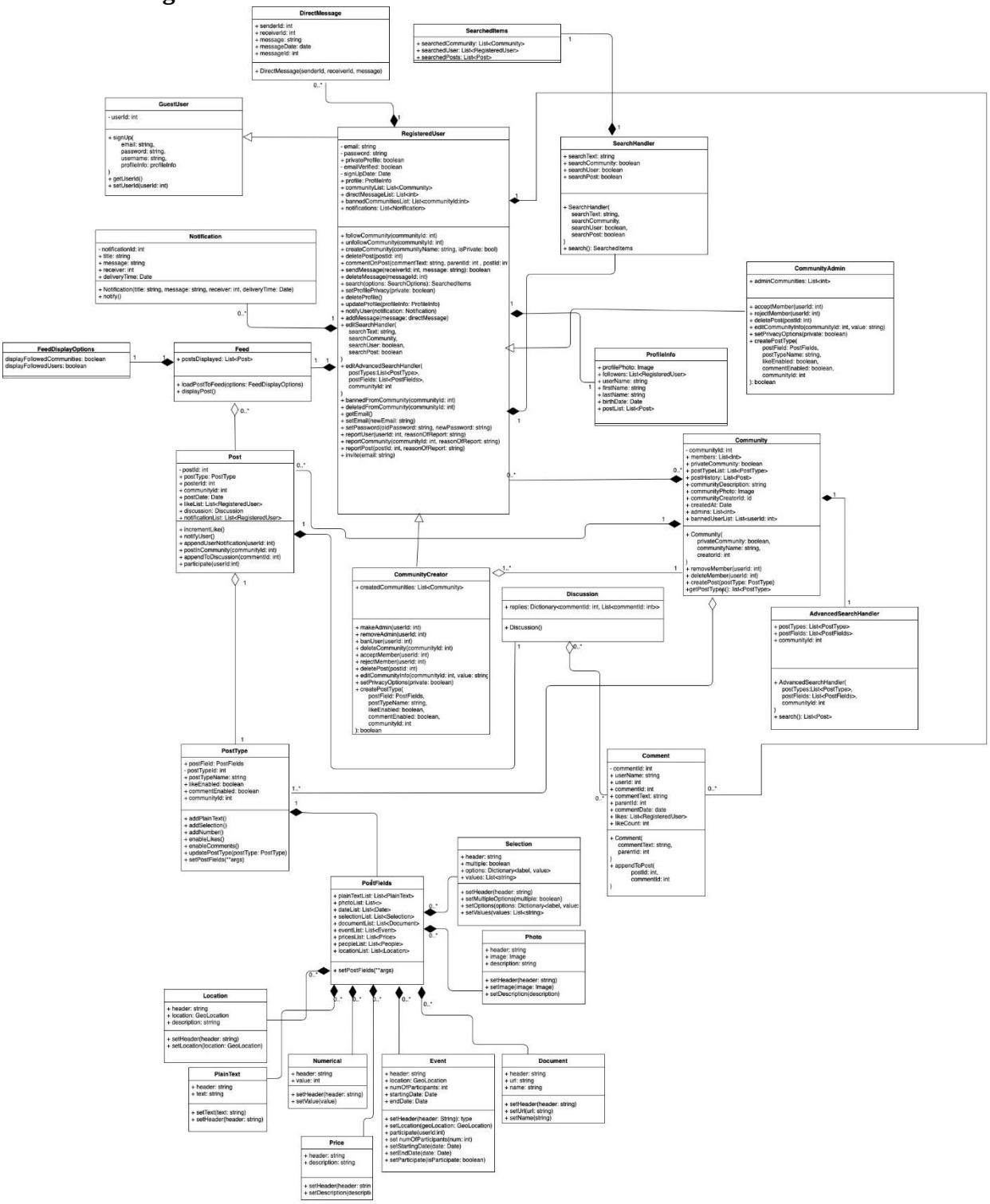


6.4 Software Design documents in UML

6.4.1 Use Case Diagram

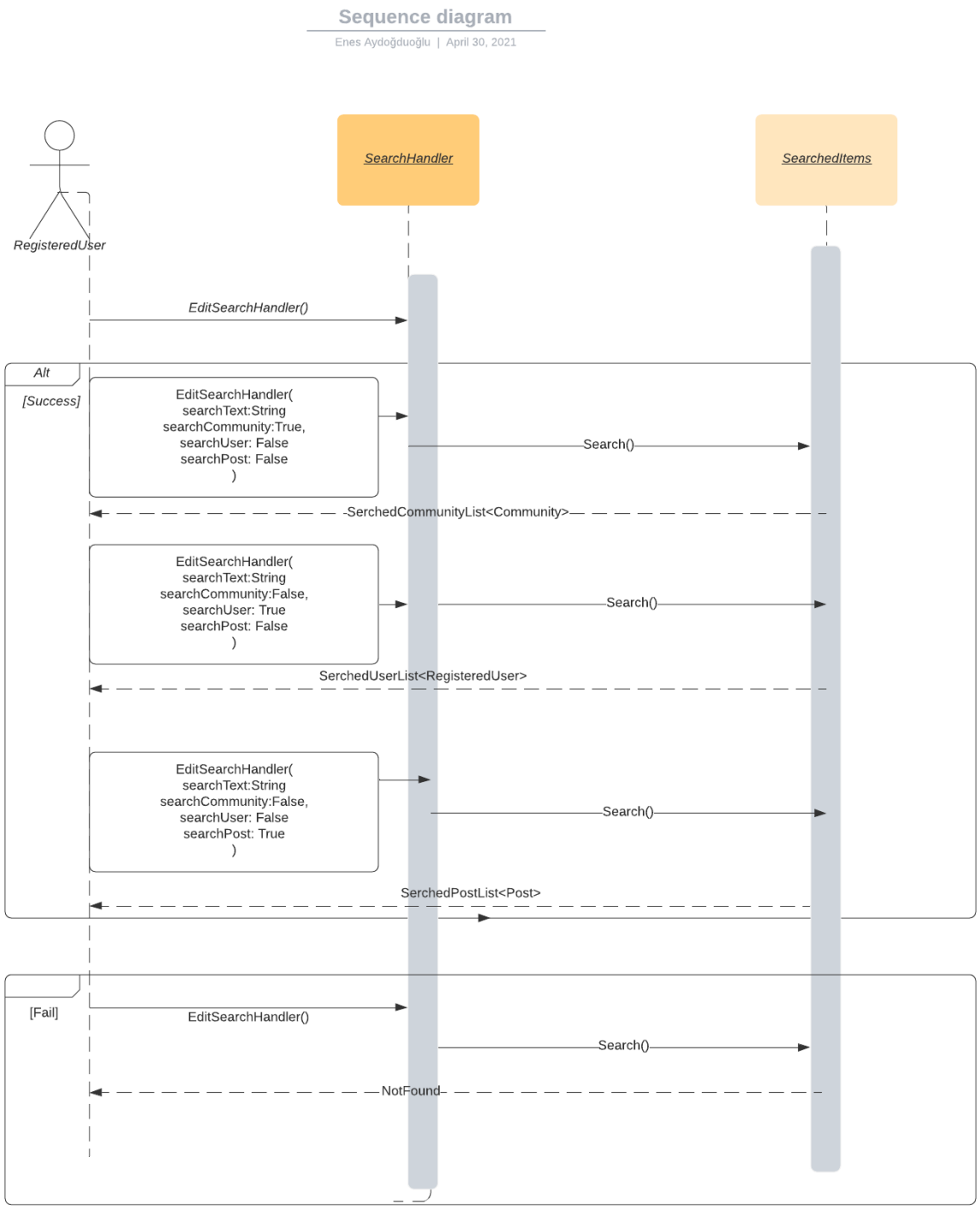


6.4.2 Class Diagram

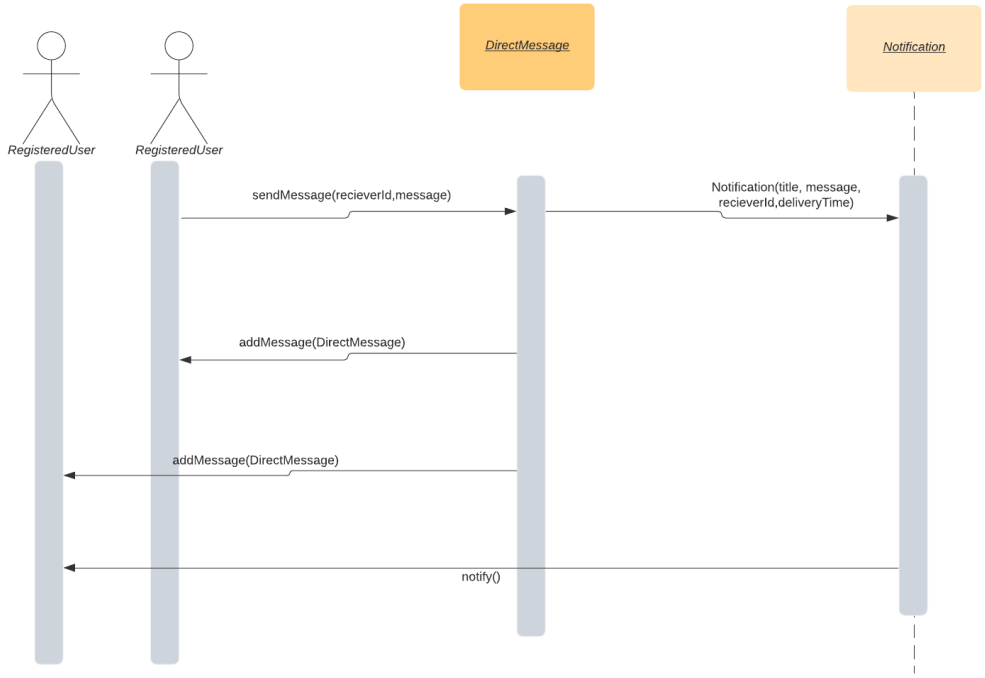


6.4.3 Sequence Diagrams

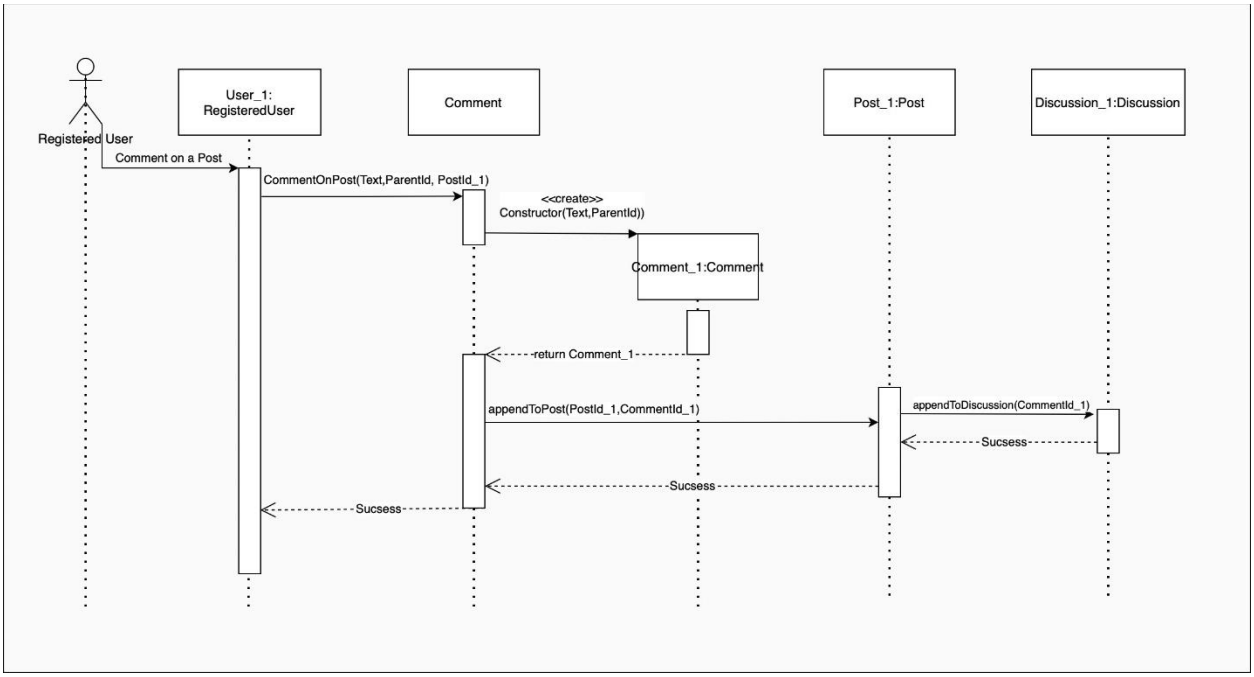
6.4.3.1 Search



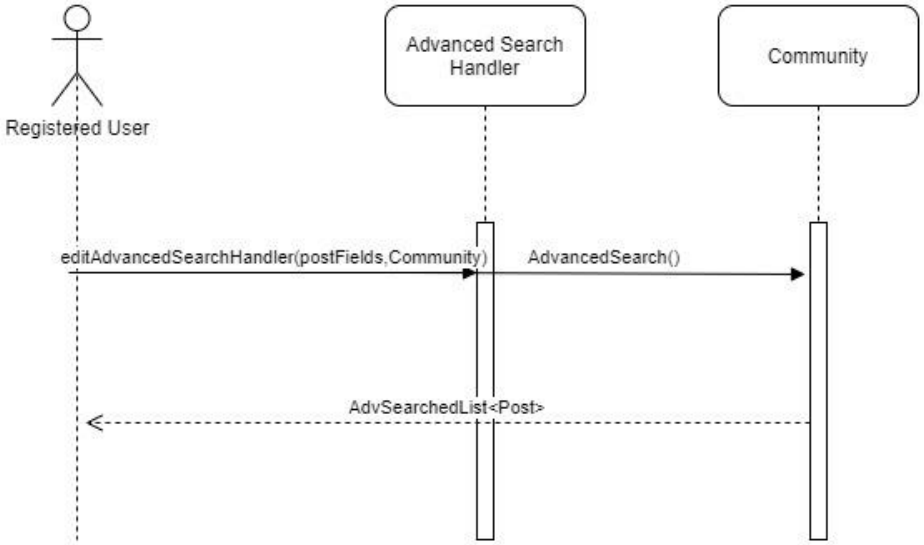
6.4.3.2 Send Message



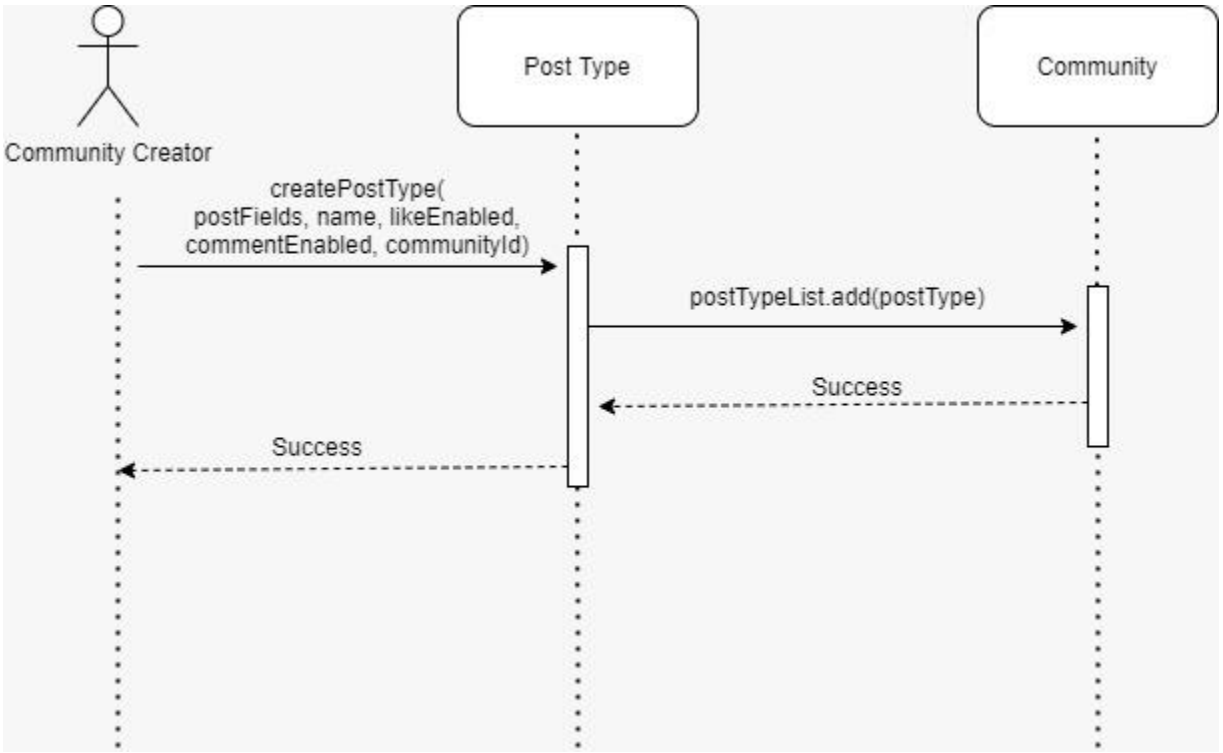
6.4.3.3 Comment On A Post



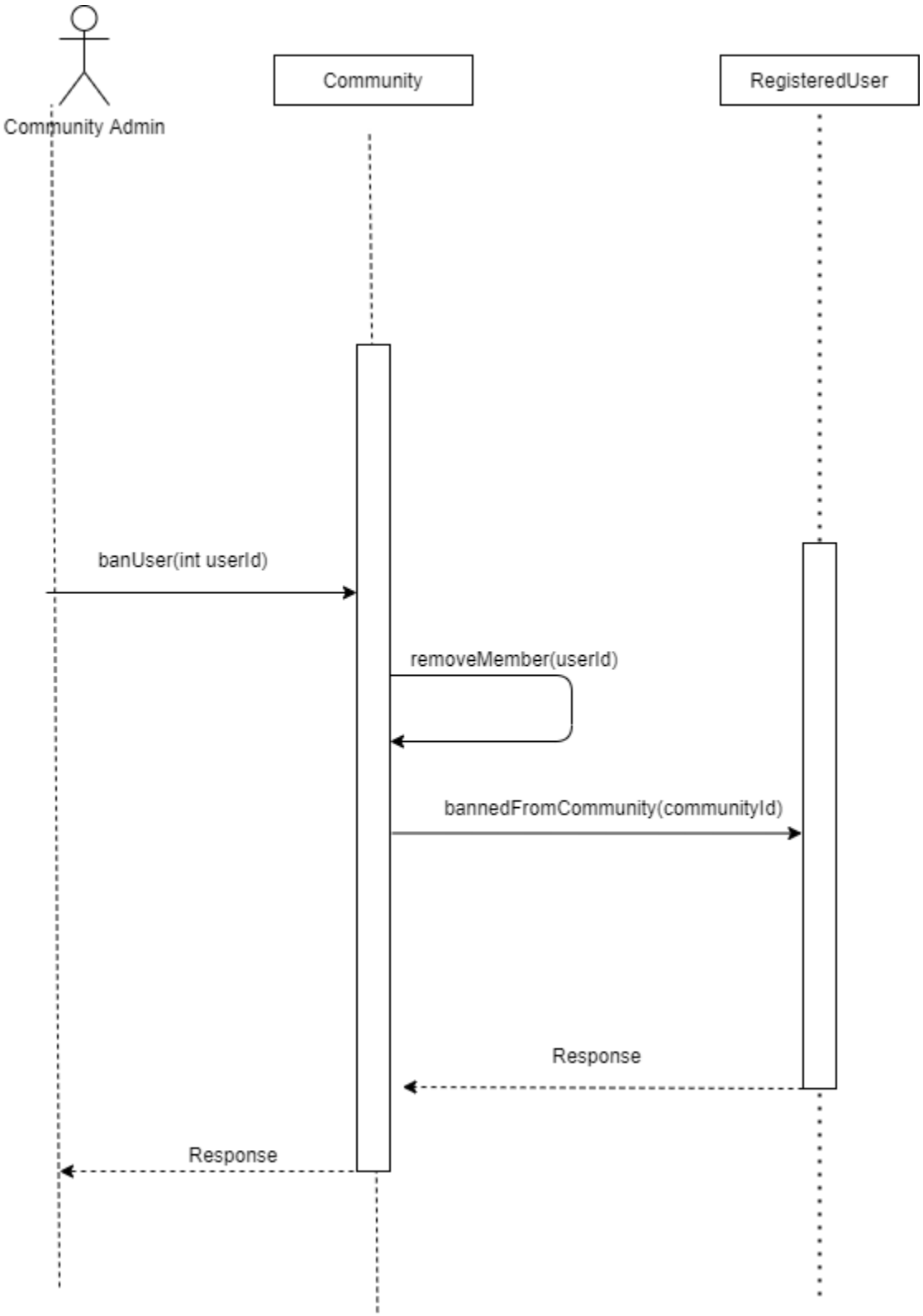
6.4.3.4 Advanced Search



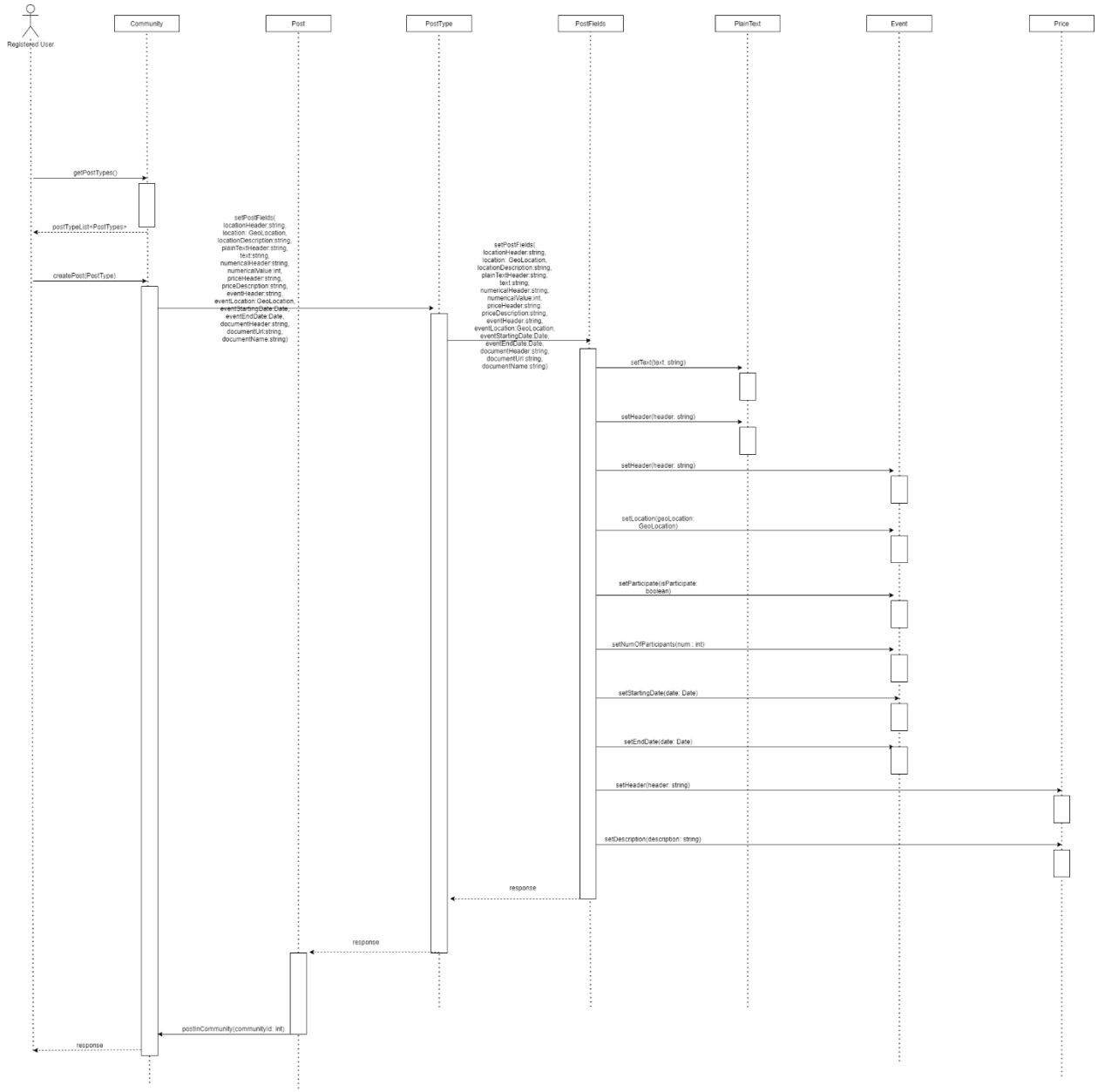
6.4.3.5 Create Post Type



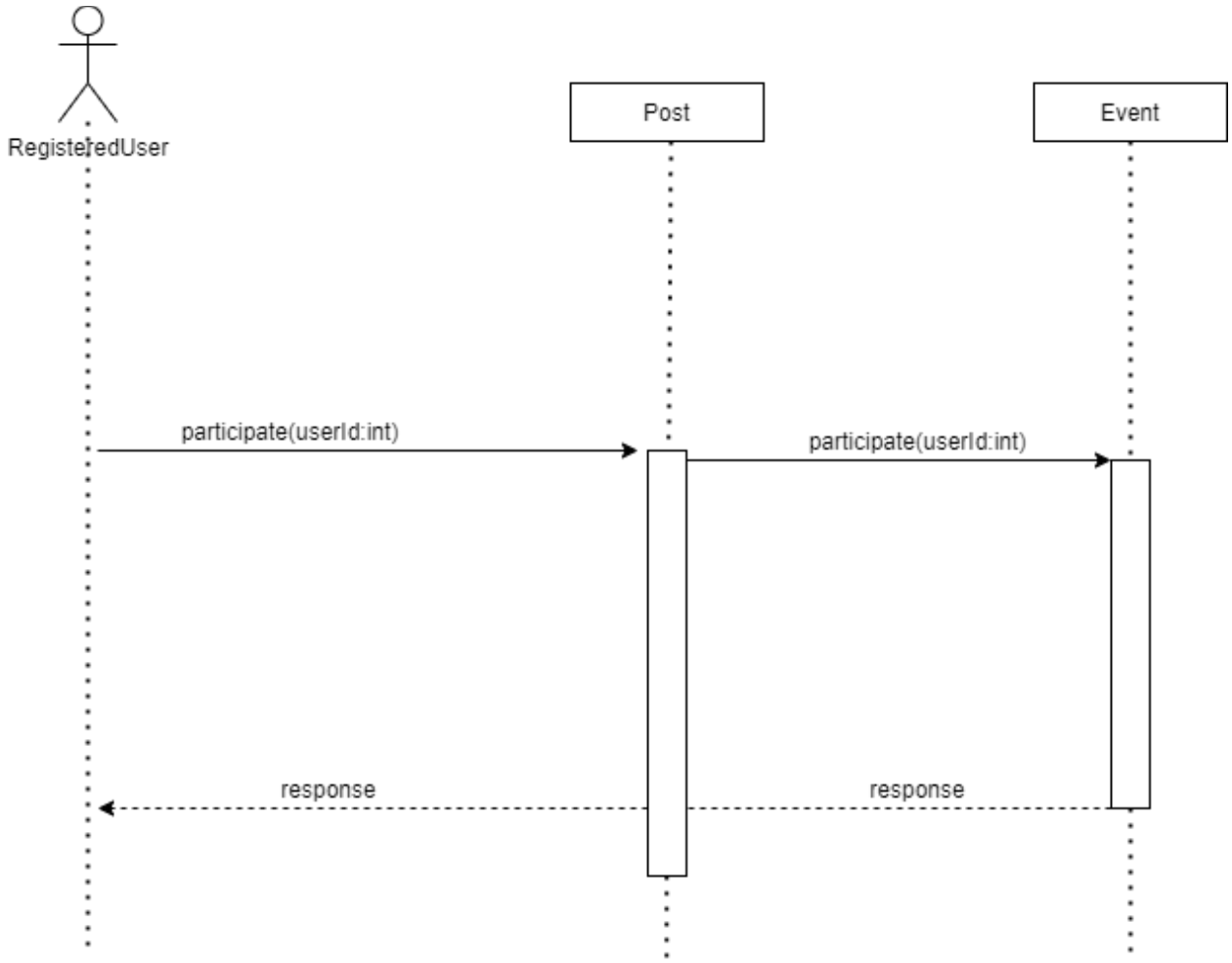
6.4.3.6 Block A Member From Community



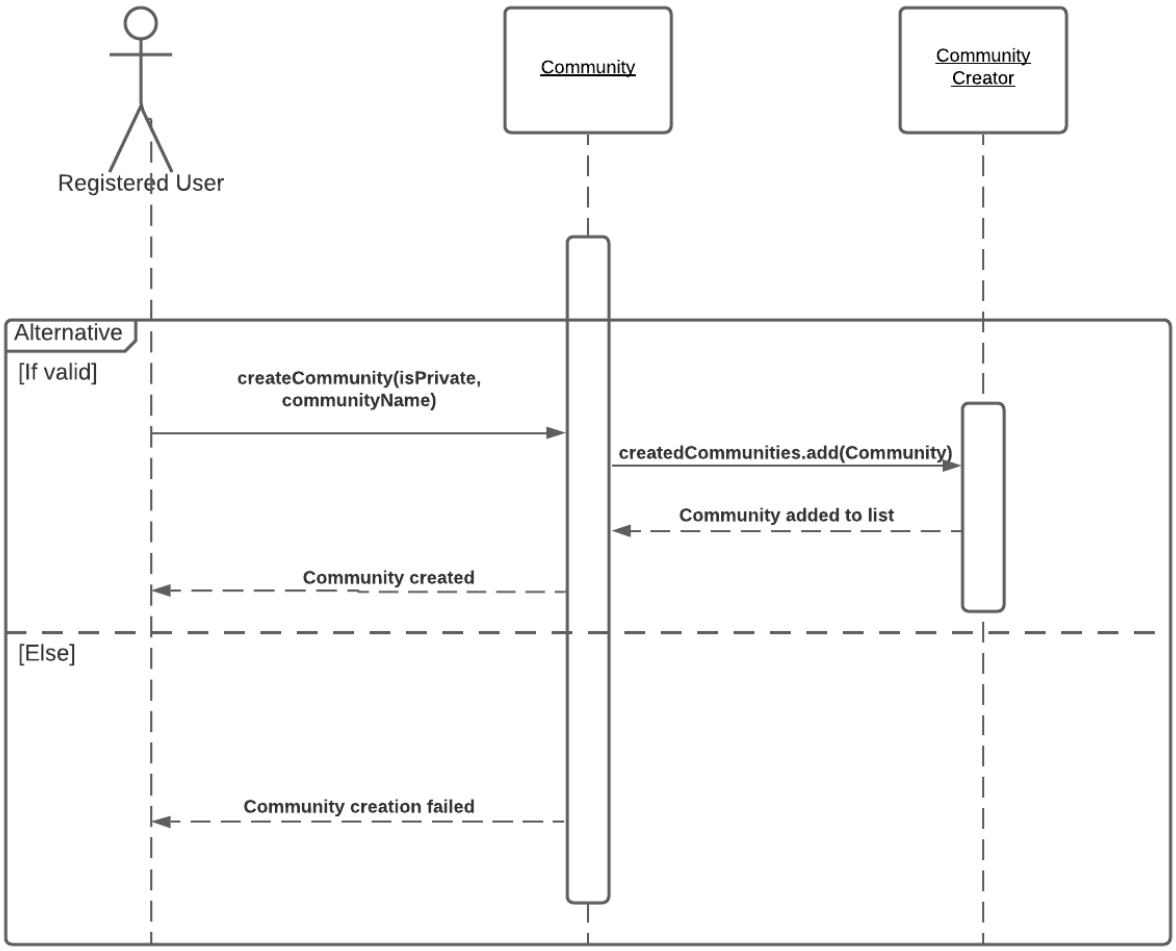
6.4.3.7 Create A Post According To A Post Type



6.3.4.8 Interact With A Post



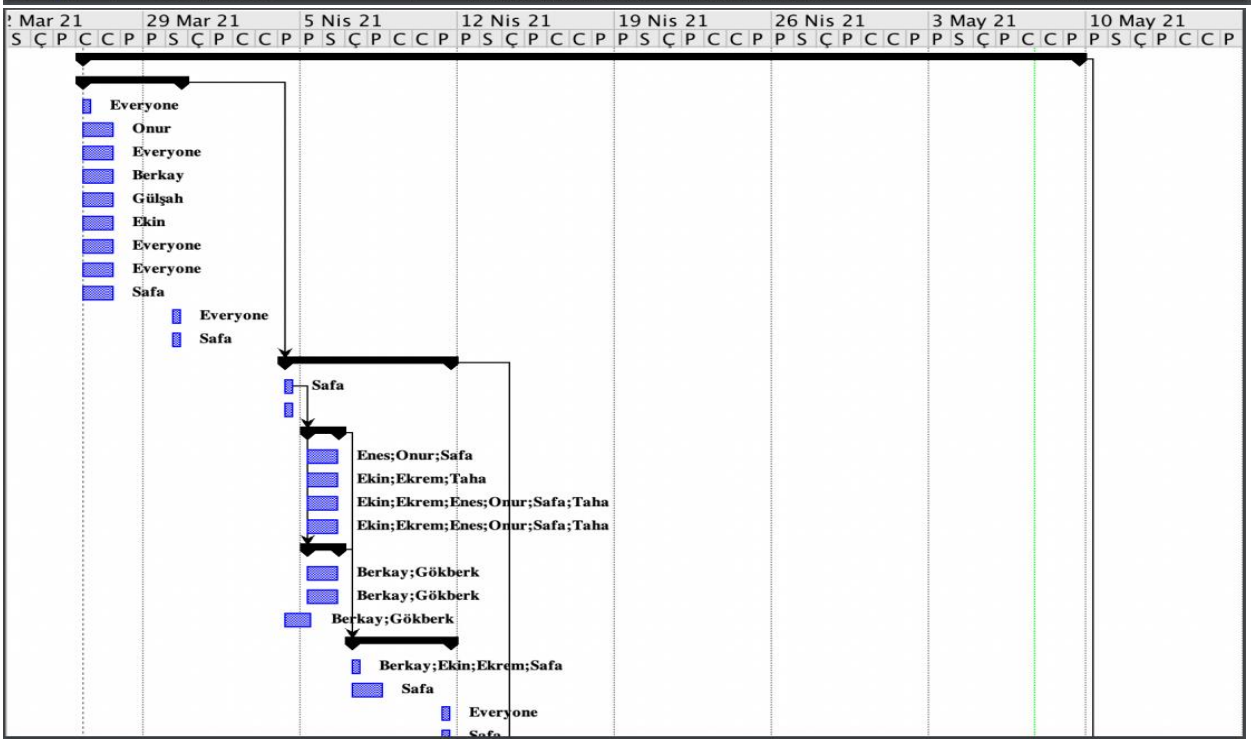
6.3.4.9 Create Community



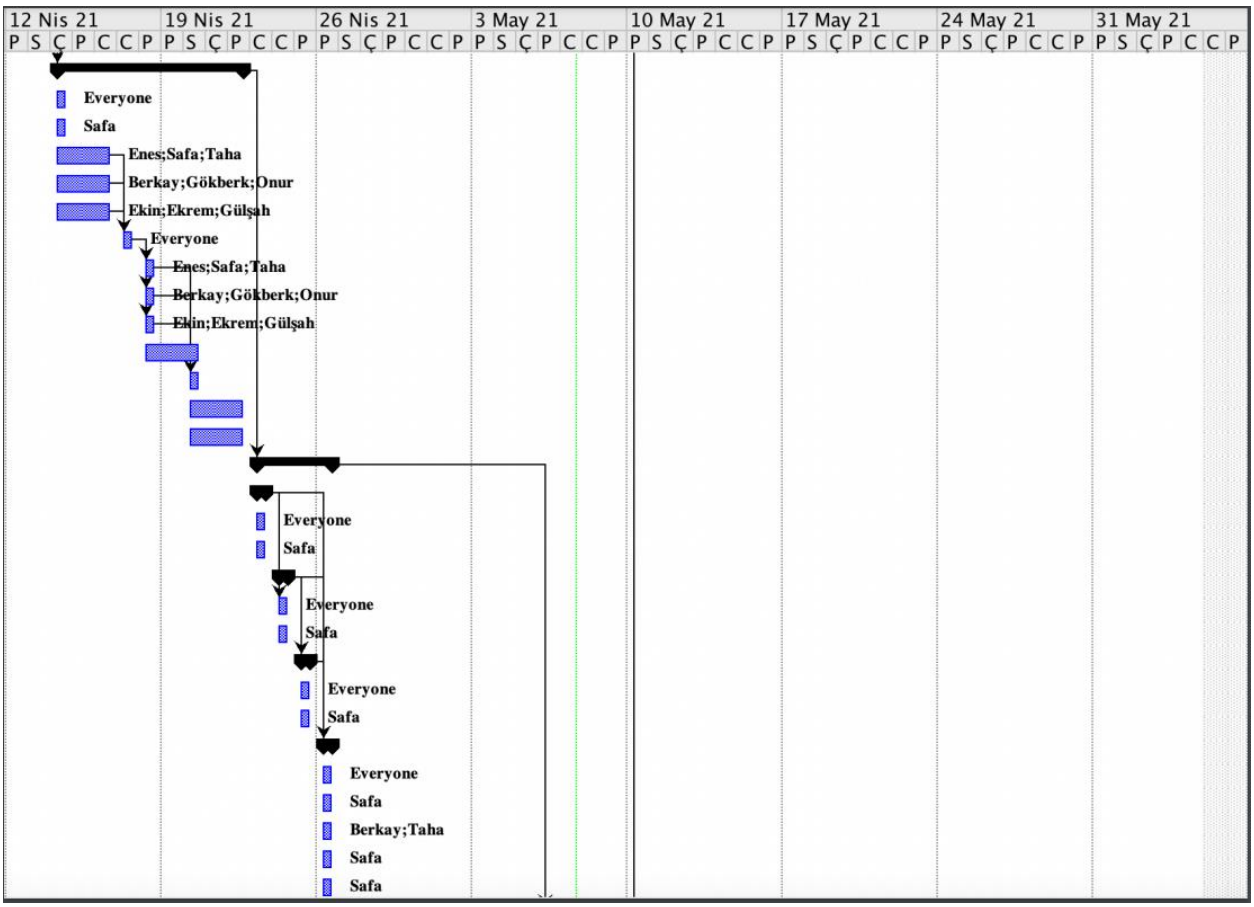
6.4 Project plan & RAM

6.4.1 Project Plan

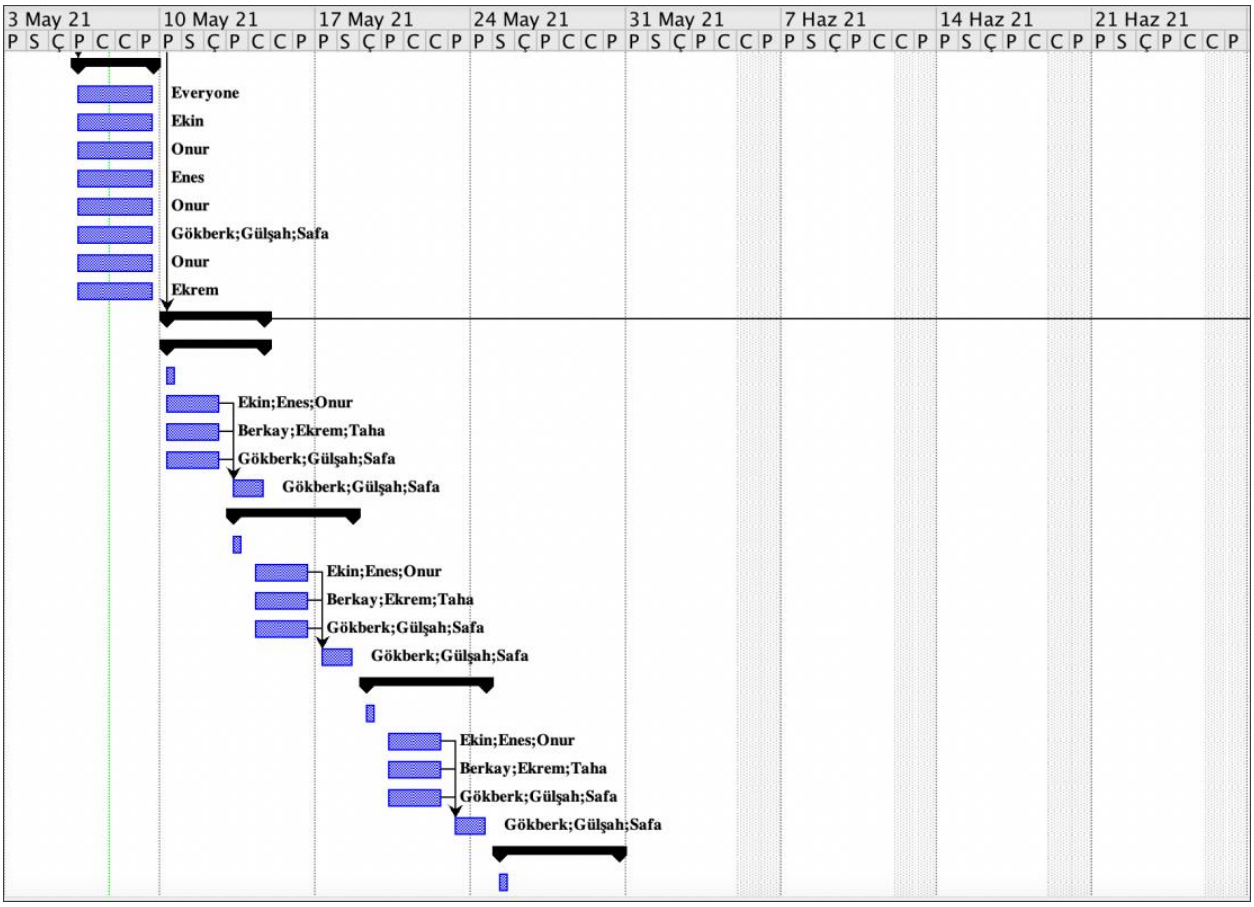
		Ad	Süre	Başlat	Bitirme	Önceki	Kaynak Adları
1		**Preparing Deliverables for Milestone**	45 günler	**26.03.2021 08:00**	**09.05.2021 17:00**		
2		**Startup**	5 günler	**26.03.2021 08:00**	**30.03.2021 17:00**		
3		Deciding Communication Plan	1 gün	26.03.2021 08:00	26.03.2021 17:00		Everyone
4		Creating Wiki Home Page	2 günler	26.03.2021 08:00	27.03.2021 17:00		Onur
5		Creating Personal Wiki Pages	2 günler	26.03.2021 08:00	27.03.2021 17:00		Everyone
6		Creating Communication Plan Wiki Pa	2 günler	26.03.2021 08:00	27.03.2021 17:00		Berkay
7		Issue Label Customization	2 günler	26.03.2021 08:00	27.03.2021 17:00		Gülşah
8		Creating README	2 günler	26.03.2021 08:00	27.03.2021 17:00		Ekin
9		Research on Github Repositories	2 günler	26.03.2021 08:00	27.03.2021 17:00		Everyone
10		Research on Git study resources	2 günler	26.03.2021 08:00	27.03.2021 17:00		Everyone
11		Meeting notes 1&2	2 günler	26.03.2021 08:00	27.03.2021 17:00		Safa
12		Selecting Project	1 gün	30.03.2021 08:00	30.03.2021 17:00		Everyone
13		Meeting notes 3	1 gün	30.03.2021 08:00	30.03.2021 17:00		Safa
14		**Requirements**	8 günler	**04.04.2021 08:00**	**11.04.2021 17:00**	**2**	**Everyone**
15		Distributing Requirements to team m	1 gün	04.04.2021 08:00	04.04.2021 17:00		Safa
16		Meeting notes 4	1 gün	04.04.2021 08:00	04.04.2021 17:00		
17		**Functional Requirements**	2 günler	**05.04.2021 08:00**	**06.04.2021 17:00**	**15**	
18		Creating User Requirements	2 günler	05.04.2021 08:00	06.04.2021 17:00		Enes;Onur;Safa
19		Creating System Requirements	2 günler	05.04.2021 08:00	06.04.2021 17:00		Ekin;Ekrem;Taha
20		Updating Glossary	2 günler	05.04.2021 08:00	06.04.2021 17:00		Ekin;Ekrem;Enes;Onur;...
21		Preparing questions to the custome	2 günler	05.04.2021 08:00	06.04.2021 17:00		Ekin;Ekrem;Enes;Onur;...
22		**Nonfunctional Requirements**	2 günler	**05.04.2021 08:00**	**06.04.2021 17:00**	**15**	
23		Updating Glossary	2 günler	05.04.2021 08:00	06.04.2021 17:00		Berkay;Gökberk
24		Preparing questions to the custome	2 günler	05.04.2021 08:00	06.04.2021 17:00		Berkay;Gökberk
25		Comparison with Related Softwares	2 günler	04.04.2021 08:00	05.04.2021 17:00		Berkay;Gökberk
26		**Review of the Requirements**	5 günler	**07.04.2021 08:00**	**11.04.2021 17:00**	**17;22**	
27		Creating Wiki page for the Requirer	1 gün	07.04.2021 08:00	07.04.2021 17:00		Berkay;Ekin;Ekrem;Safa
28		Meeting notes 5	2 günler	07.04.2021 08:00	08.04.2021 17:00		Safa
29		Customer Meeting	1 gün	11.04.2021 08:00	11.04.2021 17:00		Everyone
30		Meeting notes 6	1 gün	11.04.2021 08:00	11.04.2021 17:00		Safa



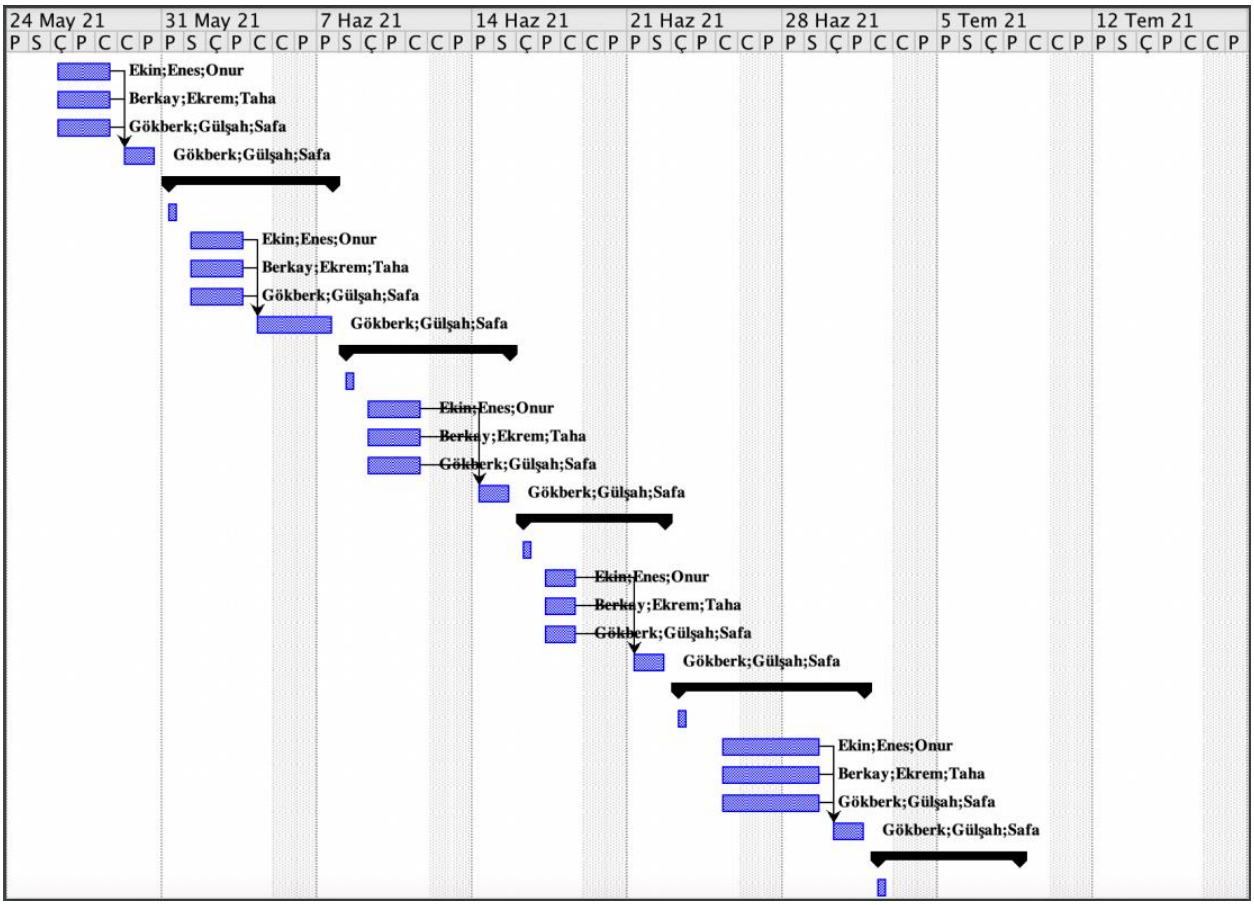
		Ad	Süre	Başlat	Bitirme	Önceki	Kaynak Adları
31		**⊟Scenarios & Mockups**	9 günler	**14.04.2021 08:00**	**22.04.2021 17:00**	**14**	
32		Deciding user scenarios	1 gün	14.04.2021 08:00	14.04.2021 17:00		Everyone
33		Meeting notes 7	1 gün	14.04.2021 08:00	14.04.2021 17:00		Safa
34		Creating Scenario 1	3 günler	14.04.2021 08:00	16.04.2021 17:00		Enes;Safa;Taha
35		Creating Scenario 2	3 günler	14.04.2021 08:00	16.04.2021 17:00		Berkay;Gökberk;Onur
36		Creating Scenario 3	3 günler	14.04.2021 08:00	16.04.2021 17:00		Ekin;Ekrem;Gülşah
37		Discussing the common frames of the	1 gün	17.04.2021 08:00	17.04.2021 17:00	34;35;36	Everyone
38		Creating mockup of login page and p	1 gün	18.04.2021 08:00	18.04.2021 17:00	37	Enes;Safa;Taha
39		Creating mockup for community crea	1 gün	18.04.2021 08:00	18.04.2021 17:00	37	Berkay;Gökberk;Onur
40		Creating mockup for feed, Search pa	1 gün	18.04.2021 08:00	18.04.2021 17:00	37	Ekin;Ekrem;Gülşah
41		Meeting notes 8	3 günler	18.04.2021 08:00	20.04.2021 17:00		
42		Review of the Scenarios 1-2-3 with t	1 gün	20.04.2021 08:00	20.04.2021 17:00	38;39;40	
43		Creating Scenario 4	3 günler	20.04.2021 08:00	22.04.2021 17:00		
44		Creating mockup of Scenario 4	3 günler	20.04.2021 08:00	22.04.2021 17:00		
45		**⊟UML Design**	4 günler	**23.04.2021 08:00**	**26.04.2021 17:00**	**31**	
46		**⊟Use Case Diagram**	1 gün	**23.04.2021 08:00**	**23.04.2021 17:00**		
47		Discussing Use Case Diagram	1 gün	23.04.2021 08:00	23.04.2021 17:00		Everyone
48		Meeting notes 9	1 gün	23.04.2021 08:00	23.04.2021 17:00		Safa
49		**⊟Class Diagram**	1 gün	**24.04.2021 08:00**	**24.04.2021 17:00**		
50		Discussing Class Diagram	1 gün	24.04.2021 08:00	24.04.2021 17:00	46	Everyone
51		Meeting notes 10	1 gün	24.04.2021 08:00	24.04.2021 17:00		Safa
52		**⊟Sequence Diagram**	1 gün	**25.04.2021 08:00**	**25.04.2021 17:00**	**49**	
53		Assigning sequence diagrams to the	1 gün	25.04.2021 08:00	25.04.2021 17:00		Everyone
54		Meeting notes 11	1 gün	25.04.2021 08:00	25.04.2021 17:00		Safa
55		**⊟Review**	1 gün	**26.04.2021 08:00**	**26.04.2021 17:00**	**46;49;52**	
56		Getting feedback from the Instructo	1 gün	26.04.2021 08:00	26.04.2021 17:00		Everyone
57		Meeting notes 12	1 gün	26.04.2021 08:00	26.04.2021 17:00		Safa
58		Updating the class diagram based	1 gün	26.04.2021 08:00	26.04.2021 17:00		Berkay;Taha
59		Meeting notes 13	1 gün	26.04.2021 08:00	26.04.2021 17:00		Safa
60		Meeting notes 14	1 gün	26.04.2021 08:00	26.04.2021 17:00		Safa



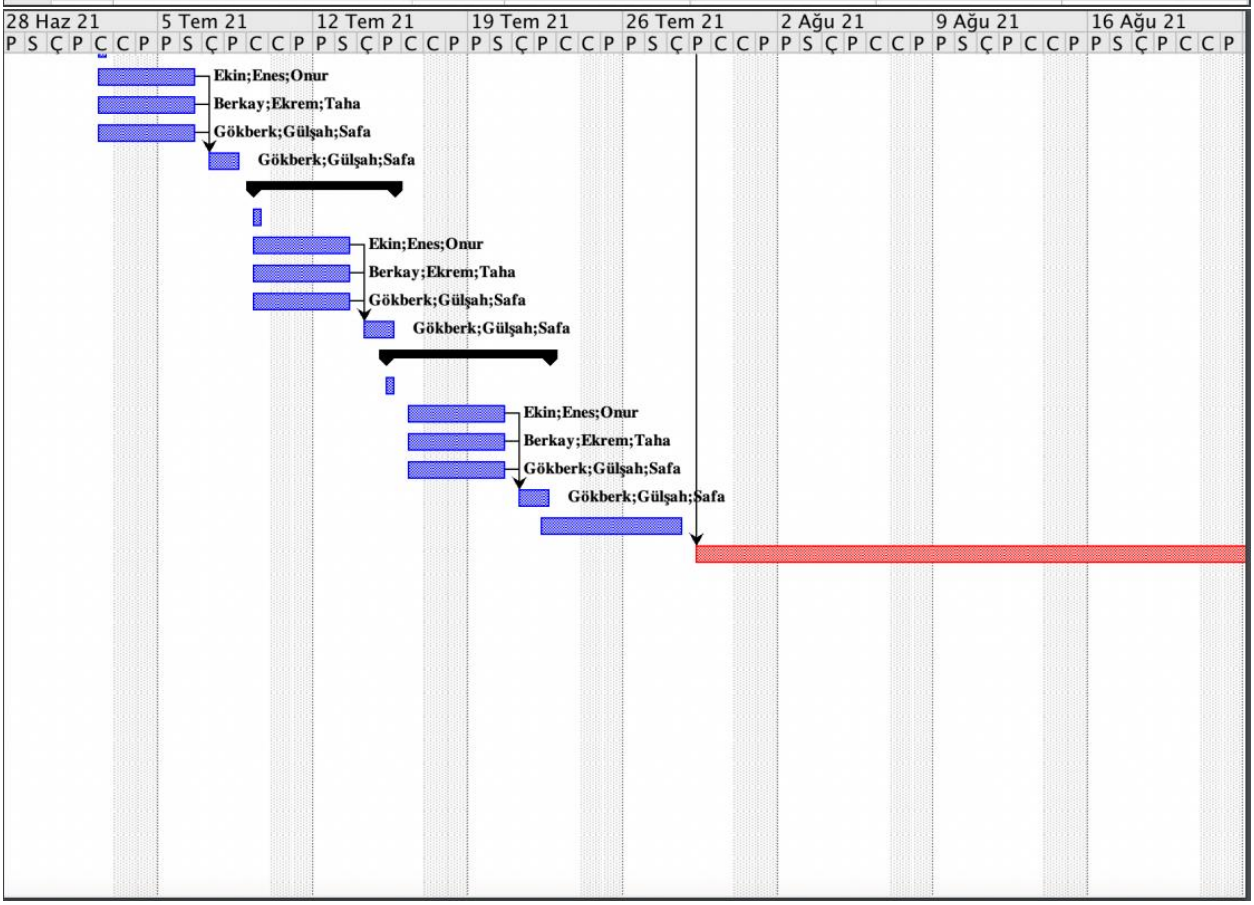
		Ad	Süre	Başlat	Bitirme	Önceki	Kaynak Adları
61		**Project PLan & RAM**	4 günler	**06.05.2021 08:00**	**09.05.2021 17:00**	**45**	
62		Assigning tasks to members to creat	4 günler	06.05.2021 08:00	09.05.2021 17:00		Everyone
63		Preparing Executive Summary	4 günler	06.05.2021 08:00	09.05.2021 17:00		Ekin
64		Preparing List and Status of Deliveral	4 günler	06.05.2021 08:00	09.05.2021 17:00		Onur
65		Evaluation of the status of deliverabl	4 günler	06.05.2021 08:00	09.05.2021 17:00		Enes
66		Evaluation of tools and processes	4 günler	06.05.2021 08:00	09.05.2021 17:00		Onur
67		Preparing Project Plan	4 günler	06.05.2021 08:00	09.05.2021 17:00		Gökberk;Gülşah;Safa
68		Preparing RAM	4 günler	06.05.2021 08:00	09.05.2021 17:00		Onur
69		Preparing Report	4 günler	06.05.2021 08:00	09.05.2021 17:00		Ekrem
70		**Preparing Deliverables for Milestone**	5 günler?	**10.05.2021 08:00**	**14.05.2021 17:00**	**1**	
71		**Implementation of Login Page**	5 günler?	**10.05.2021 08:00**	**14.05.2021 17:00**		
72		Deciding Login Page Features	1 gün?	10.05.2021 08:00	10.05.2021 17:00		
73		Android Implementation	3 günler?	10.05.2021 08:00	12.05.2021 17:00		Ekin;Enes;Onur
74		Front-End Implementation	3 günler?	10.05.2021 08:00	12.05.2021 17:00		Berkay;Ekrem;Taha
75		Back-End Implementation	3 günler?	10.05.2021 08:00	12.05.2021 17:00		Gökberk;Gülşah;Safa
76		Testing	2 günler?	13.05.2021 08:00	14.05.2021 17:00	73;74;75	Gökberk;Gülşah;Safa
77		**Implementation of Feed**	6 günler?	**13.05.2021 08:00**	**18.05.2021 17:00**		
78		Deciding Feed Features	1 gün?	13.05.2021 08:00	13.05.2021 17:00		
79		Android Implementation	3 günler?	14.05.2021 08:00	16.05.2021 17:00		Ekin;Enes;Onur
80		Front-End Implementation	3 günler?	14.05.2021 08:00	16.05.2021 17:00		Berkay;Ekrem;Taha
81		Back-End Implementation	3 günler?	14.05.2021 08:00	16.05.2021 17:00		Gökberk;Gülşah;Safa
82		Testing	2 günler?	17.05.2021 08:00	18.05.2021 17:00	80;79;81	Gökberk;Gülşah;Safa
83		**Implementation of Community Page**	6 günler?	**19.05.2021 08:00**	**24.05.2021 17:00**		
84		Deciding Community Page Features	1 gün?	19.05.2021 08:00	19.05.2021 17:00		
85		Android Implementation	3 günler?	20.05.2021 08:00	22.05.2021 17:00		Ekin;Enes;Onur
86		Front-End Implementation	3 günler?	20.05.2021 08:00	22.05.2021 17:00		Berkay;Ekrem;Taha
87		Back-End Implementation	3 günler?	20.05.2021 08:00	22.05.2021 17:00		Gökberk;Gülşah;Safa
88		Testing	2 günler?	23.05.2021 08:00	24.05.2021 17:00	86;87;85	Gökberk;Gülşah;Safa
89		**Implementation of User Profile Page**	6 günler?	**25.05.2021 08:00**	**30.05.2021 17:00**		
90		Deciding User Profile Page Features	1 gün?	25.05.2021 08:00	25.05.2021 17:00		



		Ad	Süre	Başlat	Bitirme	Önceki	Kaynak Adları
91		Android Implementation	3 günler?	26.05.2021 08:00	28.05.2021 17:00		Ekin;Enes;Onur
92		Front-End Implementation	3 günler?	26.05.2021 08:00	28.05.2021 17:00		Berkay;Ekrem;Taha
93		Back-End Implementation	3 günler?	26.05.2021 08:00	28.05.2021 17:00		Gökberk;Gülşah;Safa
94		Testing	2 günler?	29.05.2021 08:00	30.05.2021 17:00	93;91;92	Gökberk;Gülşah;Safa
95		**⊟Implementation of Community Creat**	6 günler?	**31.05.2021 08:00**	**07.06.2021 17:00**		
96		Deciding Community Creation Page Fe	1 gün?	31.05.2021 08:00	31.05.2021 17:00		
97		Android Implementation	3 günler?	01.06.2021 08:00	03.06.2021 17:00		Ekin;Enes;Onur
98		Front-End Implementation	3 günler?	01.06.2021 08:00	03.06.2021 17:00		Berkay;Ekrem;Taha
99		Back-End Implementation	3 günler?	01.06.2021 08:00	03.06.2021 17:00		Gökberk;Gülşah;Safa
100		Testing	2 günler?	04.06.2021 08:00	07.06.2021 17:00	99;97;98	Gökberk;Gülşah;Safa
101		**⊟Implementation of Post Type Creatio**	6 günler?	**08.06.2021 08:00**	**15.06.2021 17:00**		
102		Implementation of Post Type Creation	1 gün?	08.06.2021 08:00	08.06.2021 17:00		
103		Android Implementation	3 günler?	09.06.2021 08:00	11.06.2021 17:00		Ekin;Enes;Onur
104		Front-End Implementation	3 günler?	09.06.2021 08:00	11.06.2021 17:00		Berkay;Ekrem;Taha
105		Back-End Implementation	3 günler?	09.06.2021 08:00	11.06.2021 17:00		Gökberk;Gülşah;Safa
106		Testing	2 günler?	14.06.2021 08:00	15.06.2021 17:00	105;103;104	Gökberk;Gülşah;Safa
107		**⊟Implementation of Search Page**	5 günler?	**16.06.2021 08:00**	**22.06.2021 17:00**		
108		Deciding Search Page Features	1 gün?	16.06.2021 08:00	16.06.2021 17:00		
109		Android Implementation	2 günler?	17.06.2021 08:00	18.06.2021 17:00		Ekin;Enes;Onur
110		Front-End Implementation	2 günler?	17.06.2021 08:00	18.06.2021 17:00		Berkay;Ekrem;Taha
111		Back-End Implementation	2 günler?	17.06.2021 08:00	18.06.2021 17:00		Gökberk;Gülşah;Safa
112		Testing	2 günler?	21.06.2021 08:00	22.06.2021 17:00	111;110;109	Gökberk;Gülşah;Safa
113		**⊟Implementation of Message Page**	7 günler?	**23.06.2021 08:00**	**01.07.2021 17:00**		
114		Deciding Message Page Features	1 gün?	23.06.2021 08:00	23.06.2021 17:00		
115		Android Implementation	3 günler?	25.06.2021 08:00	29.06.2021 17:00		Ekin;Enes;Onur
116		Front-End Implementation	3 günler?	25.06.2021 08:00	29.06.2021 17:00		Berkay;Ekrem;Taha
117		Back-End Implementation	3 günler?	25.06.2021 08:00	29.06.2021 17:00		Gökberk;Gülşah;Safa
118		Testing	2 günler?	30.06.2021 08:00	01.07.2021 17:00	115;116;117	Gökberk;Gülşah;Safa
119		**⊟Implementation of Post Details**	5 günler?	**02.07.2021 08:00**	**08.07.2021 17:00**		
120		Deciding Post DetailsFeatures	1 gün?	02.07.2021 08:00	02.07.2021 17:00		



		Ad	Süre	Başlat	Bitirme	Önceki	Kaynak Adları
121		Android Implementation	3 günler?	02.07.2021 08:00	06.07.2021 17:00		Ekin;Enes;Onur
122		Front-End Implementation	3 günler?	02.07.2021 08:00	06.07.2021 17:00		Berkay;Ekrem;Taha
123		Back-End Implementation	3 günler?	02.07.2021 08:00	06.07.2021 17:00		Gökberk;Gülşah;Safa
124		Testing	2 günler?	07.07.2021 08:00	08.07.2021 17:00	122;123;121	Gökberk;Gülşah;Safa
125		**Implementation of Admin Panel**	5 günler?	**09.07.2021 08:00**	**15.07.2021 17:00**		
126		Deciding Admin Panel Features	1 gün?	09.07.2021 08:00	09.07.2021 17:00		
127		Android Implementation	3 günler?	09.07.2021 08:00	13.07.2021 17:00		Ekin;Enes;Onur
128		Front-End Implementation	3 günler?	09.07.2021 08:00	13.07.2021 17:00		Berkay;Ekrem;Taha
129		Back-End Implementation	3 günler?	09.07.2021 08:00	13.07.2021 17:00		Gökberk;Gülşah;Safa
130		Testing	2 günler?	14.07.2021 08:00	15.07.2021 17:00	129;127;128	Gökberk;Gülşah;Safa
131		**Implementation of Notification Page**	6 günler?	**15.07.2021 08:00**	**22.07.2021 17:00**		
132		Deciding Notification Page Features	1 gün?	15.07.2021 08:00	15.07.2021 17:00		
133		Android Implementation	3 günler?	16.07.2021 08:00	20.07.2021 17:00		Ekin;Enes;Onur
134		Front-End Implementation	3 günler?	16.07.2021 08:00	20.07.2021 17:00		Berkay;Ekrem;Taha
135		Back-End Implementation	3 günler?	16.07.2021 08:00	20.07.2021 17:00		Gökberk;Gülşah;Safa
136		Testing	2 günler?	21.07.2021 08:00	22.07.2021 17:00	135;134;133	Gökberk;Gülşah;Safa
137		End-to-end Testing	5 günler?	22.07.2021 08:00	28.07.2021 17:00		
138		Preparing Deliverables for Milestone 3	45 günler?	29.07.2021 08:00	29.09.2021 17:00	70	Everyone



6.4.2 RAM (Responsibility Assignment Matrix)

L: Lead
S: Secondary
C: Contributor
A: Approval
R: Reviewer
N: None

		Ekin Güngör	Gülşah Çilingiroğlu	Onur Sefa Özçbik	Enes Aydoğdugğlu	M. Ekrem Gezgen	Taha Kalkanlı	Safa Burak Altunel	S. Gökberk Yılmaz	Berkay Demirtaş
Wiki Documentation	Creating Personal Wiki Pages	L	L	L	L	L	L	L	L	L
	Creating README.md file	L	N	N	R	N	N	R	N	R
	Creating Labels and colors of them	R	L	N	R	C	C	R	N	R
	Creating Home Wiki Page	N	C	L	C	C	C	C	C	C
	Taking Meeting Notes	R	R	R	R	R	R	L	R	R
	Creating Communication Plan	R	C	R	R	C	R	R	R	L
	Repository Search	C	C	C	C	C	C	C	C	C
Communicat	Creating Discord Channel	N	N	N	N	N	N	L	N	N
	Creating Slack Channel	N	N	N	N	L	N	N	N	N
	Creating WhatsApp Group	L	N	N	N	N	N	N	N	N
Requirements	Preparing Functional User Requirement	R	R	c	C	R	R	C	R	R
	Preparing Functional System Requireme	C	R	R	R	C	C	R	R	R
	Preparing Non-Functional Requirement	R	R	R	R	R	R	R	C	C
	Creating Glossary	R	R	C	R	C	C	C	R	R
	Comparing Related Software Systems	R	R	R	R	C	R	R	L	C
	Preparing Questions about Requiremen	C	R	C	C	C	C	C	C	C
User Scenarios and Mockups	Creating Scenario 1	R	N	R	C	R	C	C	R	R
	Creating Scenario 2	R	N	C	N	R	R	R	R	C
	Creating Scenario 3	C	C	R	N	C	R	R	R	R
	Creating Scenario 4	C	C	C	R	R	N	R	R	C
	Creating Mockup 1	R	N	R	R	R	L	R	N	R
	Creating Mockup 2	C	N	C	N	R	R	N	C	C
	Creating Mockup 3	L	R	R	N	C	R	N	N	R
	Creating Mockup 4	L	R	R	R	R	R	R	R	R
UML Diagrams	Decision of Use Cases	C	C	C	C	C	C	C	C	C
	Creating Use Case Diagram	C	C	C	C	L	C	C	C	C
	Decision of Classes	C	C	L	C	C	C	C	C	C
	Creating Class Diagram	C	C	C	C	C	L	C	C	C
	Search Sequence Diagram	R	R	R	L	R	R	R	R	R
	Send Message Sequence Diagram	R	R	R	R	R	R	R	R	L
	Comment on a Post Sequence Diagram	L	R	R	R	R	R	R	R	R
	Advanced Search Sequence Diagram	R	R	R	R	L	R	R	R	R
	Create Post Type Sequence Diagram	R	R	R	R	R	R	L	R	R
	Block a Member from Community S.D.	R	R	R	R	R	R	R	L	R
	Create a Post according to a Post Type	R	R	L	R	R	R	R	R	R
	Interact with a Post Sequence Diagram	R	R	L	R	R	R	R	R	R
	Create Community Sequence Diagram	R	L	R	R	R	R	R	R	R
Milestone 1	Summary	L	R	R	R	R	R	R	R	R
	Communication Plan	R	R	R	R	L	R	R	R	R
	Scenarios and Mockups	R	R	R	R	L	R	R	R	R
	UML	R	R	R	R	L	C	R	R	R
	Project Plan	R	L	R	R	R	R	C	C	R
	RAM	C	C	L	C	C	R	C	C	C