CmpE 352

# Milestone I Report

Spring 2021

**Group 8**

# 1. Executive Summary

## 1.1 Executive Summary

There are hundreds of social media platforms and billions of people using them daily. That creates a tremendous amount of information pollution for the ones trying to get online advice and guidance. Purposeful Community is a social media platform which aims to bring people of common interests together in communities of specific topics in order to make knowledge interchange convenient. In this platform, each community is concentrated on a certain topic and the users can read or share posts to discover more about it, participate in events that are shared in the community and keep in touch with other people.

Purposeful Community requires registration to start using. After registering, the user can read public communities without joining. But in order to get writing privileges, the user can either create communities with their own rules and specifications or join an already existing community. Each community can have community-specific data types, created by community admins, that can be used in posts or comments and users can search posts filtering by these data types. Being purposeful as the name suggests and having specific data types for communities are the strong suits of our project and distinguishes it from other popular social media platforms.

After choosing the project, we searched for similar projects to have a broader idea about what our project should and can be like. Then we discussed project requirements and listed them as functional and nonfunctional requirements. Following week, we created scenarios and mockups for possible user experiences reflecting the rules and features of our project. Lastly, we created use case, sequence and class diagrams through online drawing tools and added all our works to our GitHub repository. We plan to update our project requirements as the project ripens. Such updates can also affect our scenarios and diagrams. Depending on the extensivity of the project and our personal schedules, we may also review our communication plan.

In this documentation, one can find more details about the status of our project, what is done so far and personal efforts to get the project where it is now.

### 1.2 Project Status

In the first week, after meeting with our teammates, we held a meeting and started to build our GitHub repository. Every team member created their personal wiki pages to introduce themselves and to time track their progress for each week. After getting familiar with the GitHub platform and customizing it to our needs, every week we have worked on several different aspects of the project in accordance with the weekly assignments.

After the first week we specified functional and nonfunctional requirements of our project. We also come up with several questions to ask the customers. Then we met with our TA to ask those questions. Next, we created several user scenarios and mock-ups to explicitly demonstrate use cases and our project's several important features.
We designed use case, sequence and class diagrams using UML. We split into three groups for each diagram type. We have specified our software project's high level design in terms of these diagrams.

Overall, we have come a long way from an initial project description to our software's specifications on several different abstraction levels and from several different perspectives.

### 1.3 Moving Forward

We have been successful in distributing work among ourselves and worked together efficiently without any problems. We hope to keep this up in the future. One area we've agreed that needs improvements is our organization regarding communication. While we have no problem with communication, we believe setting a more organized structure will be more professional and make things easier for us in the future. As the project progresses, we will have goals that take longer time to implement and need to be enhanced frequently. Some points we decided to focus on improving for the future include:

- **Better communication schedule.** Up to this point we held meetings at times we saw necessary, which required scheduling a new day and time each time. This resulted in some last-moment meetings and members being late due to that. We've already opened a poll about the meeting day, and we will regularly hold our weekly meeting regardless of workload. Any additional meetings that need to be done will be planned as needed, like before.

- **Updates and review/feedback of work done.** Since workload is generally distributed to either individuals or small groups of 2-3 people, members are sometimes not aware of what others have done until it's done. In the future we want to improve this by providing updates as we work and giving feedback to others on their work. To accomplish this we will start using github issues more effectively with update comments by assignees and review/feedback comments by other members. This will improve our in-team communication regarding work and it will better represent the current status for long term assignments.

## 2. Status of Deliverables

| Deliverable Name | Delivery Date | Status |
|---|---|---|
| Team and Infrastructure Formation | 30 March 2021 | Delivered |
| Scenarios | 20 April 2021 | Delivered |
| Mockups | 20 April 2021 | Delivered |
| Use Case Diagram | 30 April 2021 | Delivered |
| Class Diagram | 30 April 2021 | Delivered |
| Sequence Diagrams | 30 April 2021 | Delivered |

## 3. Evaluation of the Status of Deliverables and Its Impact on Project Plan

- **Requirements:** At first, we set a meeting to discuss how our software will operate. We discussed things in general aspects; like how a user enters software, how a user will use software's functions or things like users won't be able to do etc. . After we came to an agreement to some extent, we divided tasks among team members and wrote requirements for our software. Then, since we weren't completely sure about requirements, we set another meeting with TA to ask our questions about the project. After clarifying uncertain parts of the project, we corrected our requirements and delivered it.

  Requirements is like a guideline for the project. Most of the things that our software should have or should not have are specified in the requirements. So, when we start to code our project, we will take requirements as a basis.

- **Design Diagrams:** In that deliverable, we tried to model our software. We tried to show interaction between software components. We can think of it like interactions between objects just like object-oriented programming. And in the Class Diagram, we actually did that, we showed how different objects of the software will interact with each other.

  In the Use Case Diagram, we showed how external agents, such as users, guests, admins etc. will operate in software. It is some kind of a model for user requirements.

  Finally, in the Sequence Diagram, as the name itself suggests, we showed interactions between users and components of software for some use cases. In these diagrams, we modeled what actions are required to start use cases and what will be the response of the other components or external users during that use case. And we did that in a sequential manner by using some arrows.

  These design diagrams will become very useful when we start the coding phase of our project. Because they show most of the interactions between external users and components of the software.

- **Mockups and User Stories:** Mockups and user stories were an important part of the project, because we visualized our software for the first time. We were able to see how our software will look like in real life. While creating user stories and mockups,

we focused on tricky parts  of the requirements. In other words, we tried to sketch the functionalities that are in the requirements as well. By that, we tried to gain full comprehension of requirements, especially the ones that we asked our TA.

The biggest benefit of the mockups and user stories is that we presented a visual design of the software without actually creating a prototype of the software. Thanks to that, both creators and possible future users get prior knowledge about the software.  That makes the mockups a fundamental part of the project.

## 4. Evaluation of Tools and Processes

The main platform for the development of our project is GitHub. We have utilized various features of GitHub like issues and wiki pages. We have used Slack, Discord and Zoom for communication purposes. Weekly team meetings have been held on Discord, and the meeting with the TA was on Zoom. We have also used WhatsApp for fast communication between team members. Our user scenario mockups are designed using a website called app.moqups.com. The use-case, sequence and class diagrams are designed using UML with the help of the website lucidchart.com.

Our main process for completing the assignments has been to have a meeting with all the team members, assign various tasks to different team members and then complete the necessary tasks while coordinating with other members and the work done by them. The results of the tasks are collected and presented on our project's wiki pages on GitHub in a regular manner.

## 5. Work Done by Each Member

| Team Member | Work Description |
|---|---|
| Akif Faruk Nane | • Created my personal wiki page - 1 hour of total editing.<br>• Broadcasted in the first meeting - at least 1 hour of broadcasting. |

| | |
|---|---|
| | • Editing readme and wiki pages in general - 30 minutes.<br>• Researched ILGPU project - 30 minutes.<br>• A little study about git<br>• Held a poll for determining the project. Attended the poll.<br>• Prepared many questions where there is ambiguity about the project description.<br>• Attended two meetings this week. There were three meetings, one of which I couldn't attend due to the matlab quiz.<br>• All together, we asked the questions about the project to the TA.<br>• Created the scenario #2.<br>• Attended a group meeting for the assignment.<br>• Created an issue for use case diagram.<br>• Reviewed a few examples of use case diagrams.<br>• Worked on Use Case diagram with Selahaddin.<br>• Created a picture corresponding to the use case diagram.<br>• Attend two meetings for designing use case diagram. (~5 hours) |
| Mehmet Selahaddin Şentop | • Started and attended the first team meeting.<br>• Created this personal wiki page.<br>• Checked for the layout of our teams' wiki pages and edited some of them.<br>• Looked for and examined the repositories of previous years' teams.<br>• Searched for a repository I like and explained it.<br>• Searched, collected and edited resources on git as a version management system.<br>• Read the descriptions of available projects for our team and prioritized my personal preferences. Then decided together with the team on a method to determine our preferences and informed the TA about our resulting list.<br>• Edited Communication Plan page with our updated decisions.<br>• Searched for non-functional requirements of our project. |

| | |
|---|---|
| | • Thought of some questions that should be answered by the customer of our project.<br>• Scheduled and attended a meeting with the TA and our team, in which we asked the questions we previously prepared to decide on project specifications.<br>• Attended our weekly team meeting where we decided on tasks and distributed them.<br>• Reviewed scenario and mockup examples from previous years.<br>• Worked on Scenario #1.<br>• Created a mockup for the scenario.<br>• Edited some wiki pages based on our updated decisions.<br>• Attended our weekly team meeting.<br>• In the meeting we examined many examples of design diagrams from previous years' groups.<br>• We randomly distributed the team members into 3 groups of use case, design and sequence diagrams.<br>• I worked on use case diagram with Faruk.<br>• After many editing and several meetings we created this Use Case Diagram. |
| İbrahim Buğra Elmas | • Attended first team meeting<br>• Created personal wiki page<br>• Edited team's wiki page<br>• Researched for favourite Github Repositories<br>• Studied about functionality of Git<br>• Found some questions to be answered by customer of the project<br>• Learned about UML diagrams and searched about tools to make diagrams<br>• Created scenarios and mockups,<br>• Participated in meeting with TA<br>• Prepared 3 sequence diagrams and added them to wiki page<br>• Attended third team meeting |
| Muhammet Çavuş | • Created slack workspace and added necessary channels for communication - 1 hour |

| | |
|---|---|
| | • Created my personal wiki page – 1 hour<br>• Revisited one of my favorite GitHub repo Algorithms Implemented with Python – 1 hour<br>• Participated in our first weekly meeting - Meeting #1- to discuss our road map – 1.5 hour<br>• Studied about Requirement Engineering – 1.5 hour<br>• Thought about project specific functional requirement and add them to Requirement Wiki Page – 1 hour<br>• Created some issues – 0.5 hour<br>• Participated in our second weekly meeting - Meeting #2 – 1.5 hour<br>• Studied about Mockup Tools – 1hour<br>• Participated in our third meeting - Meeting #3 – 1.5 hour<br>• Set a meeting with TA about questions for requirements – 1.5 hour<br>• Document third meeting into a wiki page – 0.5 hour<br>• Prepare a scenario and corresponding mockup for software, Scenario #4: Set Privacy – 4 hours<br>• Studied about System Modeling – 1 hour<br>• Participated in our fourth meeting - Meeting #4 – 1.5 hour<br>• Document fourth meeting into a wiki page – 0.5 hour<br>• Prepare 3 sequence diagrams, Create Community, Join Community, Update Community – 2 hours |
| Güney İzol | • Week 1, I started learning about GitHub with the help of the interactive tutorials on lab.github.com.<br>• I created several issues for the tasks that need to be completed for the first week of the course.<br>• I specified some functional user and system requirements for the project.<br>• I found a similar community-oriented application named ASMALLWORLD which is basically a social networking platform for the jet set.<br>• I thought of some questions to ask customers.<br>• I reviewed several user scenarios and mock-ups designed previously by other development teams. |

| | |
|---|---|
| | • I attended the meeting with our TA to finalize the requirements of our project.<br>• I created an issue about a user scenario where a user shares a post in a wrong community, and came up with a specific scenario.<br>• I provided several ideas for the final versions of our user scenarios in our team meeting.<br>• I learned about different UML diagram types.<br>• I reviewed several different UML designs in order to obtain a better understanding about the specifics of diagrams.<br>• I inspected our use case and sequence diagrams designed by our team members and created an initial draft of our class diagram.<br>• I met with two teammates online who were responsible for designing the class diagram. We designed the class diagram together. |
| Gökhan UYSAL | • Personal wiki page created – 30 min - 1 hour<br>• Designed some part of wiki page(Side Bar, general design of wiki) of group. – 1 hour<br>• Researched old groups repositories like bounswe2019group7. - 30 min - 1 hour<br>• Preparing project functional requirements. – 1hour<br>• Preparing glossary for requirements. – 1 hour<br>• Preparing weekly effort. – 30 mins<br>• Meeting with Customer and ask questions about project. 1.5 hours<br>• Creating Scenario and mockup for scenario3. – 2hours<br>• Creating sequence diagrams. – 3 hours<br>• Documentation of deliverables part of Milestone report. - 5 hours |

| | |
|---|---|
| Mustafa Can AYDIN | • Created my personal wiki page<br>• Researched Nodejs<br>• Read the available project descriptions and contemplated about them.<br>• After choosing the project that I believed is the most interesting, I discussed it with other team members and heard other project preferences. As the end final choice of group project is determined by voting.<br>• Searched for non-functional requirements of the project, did some research about it.<br>• Contemplated some questions concerned customers of the project. |
| Ezgi Batı | • team meeting on zoom (2 hours) type: communication<br>• created personal wiki page (20 minutes) type: documentation<br>• wrote the meeting notes page for meeting 1. (1.5 hours) type: documentation<br>• researched repositories, explained a good one with short notes on the research page (30 minutes) type: research, documentation<br>• team meeting on discord (1.5 hours) type: communication<br>• wrote the meeting notes page for meeting 2. (30 minutes) type: documentation<br>• created a template for meeting notes (20 minutes) type: documentation/enhancement<br>• thought of and added some customer questions (20 minutes) type: enhancement, planning<br>• attended TA meeting on zoom type: communication<br>• attended team meeting on discord type: communication<br>• researched mockups, came up with possible scenarios. type: research, planning<br>• worked on mockup scenario about search and filtering. type: planning |

| | |
|---|---|
| | • attended team meeting for reviewing the scenarios and giving/receiving feedback. type: communication<br>• looked up tools for mockup visuals. type: planning<br>• prepared some of the mockup screens for scenario 3 type: design, planning<br>• minor editing of requirements page according to TA meeting. type: documentation, fix<br>• attended team meeting on zoom type: communication<br>• reviewed and learned about class diagrams from lecture slides and other sources type: research<br>• attended 3-people meeting to work on class diagram type: communication, planning |

# 6. Deliverables

## 6.1 Communication Plan

**Weekly Meetings**

- Tuesdays at 8 pm (Subject to change depending on the intensity of weekly work).
- Online on Discord or Zoom.

**Purpose**

- Updates on incomplete works.
- Assignment of new tasks to group members.
- Reviewing current progress considering the schedule.

**Participants**

- All members are expected to participate.

**Other Communication Options**

- Chat groups on WhatsApp and Slack.

## 6.2 Requirements

### 6.2.1 Glossary

- Admin: The user that initially created the community or took over from the previous admin, and has additional control over the community.
- Community: Area that all users of the community can share posts or see other users' posts in the community.
- Data Type: The post structure available for communities to define based on their needs and interests.
- Each user: It can be a basic user or a private user.
- Event: An activity that is planned for a special purpose.
- Moderator: A moderator is a user in the community selected by the admin or another moderator, who has admin privileges for the community.
- Notification: A message that is automatically sent to users about events.
- Policy: a set of ideas or a plan of what to do in particular situations that have been agreed to officially by community or project members.
- Post: The shared thing that other people can see.
- Profile: A page that contains user information.
- User: A person who is registered to the system and is able to use the functionalities of the system.

### 6.2.2 Functional Requirements

#### 6.2.2.1 Functional User Requirements

- Each user shall have a unique username and password- that contains letters, digits, underscore and symbols- to sign into the system. They will use this unique username and password combination to log in.
- Each user should be able to choose the communities that they are interested in.
- Each user should create a profile about them, that contains information about them.
- Each user should reveal as much information about them as they want.
- Each user should be able to follow other users.
- Each user shall decide if they want notifications or not.

- Each user shall create a community, join an existing community or exit a joined community as they want.
- Users need to be accepted to a community according to a community-defined acceptance policy. (A community might be open to all users or it can accept only the users that got an invitation from a member of the community.)
- Each community has an admin and can have multiple moderators.
- Community admin or moderators can create special Data Types for the community, which can contain fields of string, number, location or image.
- If a user wishes to join an invitation-only community, their application must be approved by an administrator.
- Admins of a community should be able to monitor the posts against unethical and/or illegal contents and take actions accordingly (e.g. banning the member responsible for the post from the community).

#### 6.2.2.2 Functional System Requirements

- System shall provide notifications for users.
- System shall have a search box in order for users to search communities or other users for interaction.
- System shall prohibit users from joining an invitation-only community without an approval.
- System shall be able to recommend communities and other users to follow.

### 6.2.3 Non-Functional Requirements

#### 6.2.3.1 Standards

- Implementation of the system should be in line with guidelines of W3C Activity Stream Standart 2.0.
- The semantic tagging should be supported with wikidata.org.

#### 6.2.3.2 Security

- Each user's username and password need to be valid.
- Password length should be in the predefined range and passwords must not contain non-ASCII characters.
- Passwords should be encrypted with necessary hash-algorithms before being stored in the database.
- Databases should be secure in case of cyber attacks.

- In order for an account to be activated, the confirmation email must be responded to by the user.
- New logins from unrecognized devices should be sent to the user's email account in order to ensure that the user's account is not stolen and that login is done by the owner of the account.
- In case of a password change request, the user should be informed about the request via given contact details and the change is allowed only after the user approves the request.

**6.2.3.3 Performance**

- Ideally a system should respond to the user within 1 second in order for the user's flow of thought to stay uninterrupted.
- System should respond to the user in a maximum of 10 seconds. For longer delays, users may want to perform other tasks while waiting for the system to finish so the system should give feedback to users indicating when the system expects it to be done.
- If a delay in response occurs during an operation using a third party application, then the user should be informed about that.

**6.2.3.4 Reliability**

- Supported number of concurrent users should be scalable as the registered user numbers grow.
- Crash reports should be sent in case of a crash if the user had not opted out.
- Maintenance schedule indicating unavailability of the system should be announced earlier.
- Maintenance time should not be longer than an hour.

**6.2.3.5 Privacy**

- System should obey the laws concerning data privacy of its users defined by governments.
- System should provide means for detection and report of copyrighted material.
- In case of false copyright claims systems should provide a mechanism for users to appeal.
- Users should agree to the User Terms & Policy Agreement.
- Users may agree on Telemetry and Data Collection Agreement.

**6.2.3.6 Accessibility**

- System will be available to access from desktop or mobile devices.
- System should be accessible using modern browsers.
- System will be responsive to aspect ratios of devices used to access the system.

- Platform should support ASCII and UNICODE characters.

## 6.3 Scenarios and Mockups

### 6.3.1 Out Of Context

**Persona**

- Jane Margolis
- 21 years old
- Studies art history at Mimar Sinan Güzel Sanatlar Üniversitesi
- Bookworm
- Travel enthusiast
- Antique collector
- Lives in Istanbul with her friends from school

**Story**

- Jane is a senior student of art history.
- She studies on a graduation project about 17th century Turkish and Persian sculpturing.
- As an antique collector herself, Jane is eager to find a masterpiece to study for her project and include it in her collection afterwards.
- She wants to see where she can find such a work of art.

- She decides to get help from the platform Purposeful Community that she previously stumbled upon and joined.

**Preconditions**

- Jane is a registered user of our platform.

**Goals**

- Jane wants to find a beautiful sculpture that carries the signs of the time of its creation as well as motifs of Turkish or Persian sculpturing heritage.
- Jane wants to get suggestions and guidance from people in a related community.

**Acceptance Criteria**

- Members of a community can view all posts in the community.
- Any member in a community can share posts.
- In order to share a post in a community, either private or public, the user must join the community.
- The posts in private communities can only be seen after a joining request is approved.

**Scenario & Mockup**

- She sees that in the platform there are a lot of communities concentrated on specific areas of interests.
- She looks for a community searching "antique" and encounters the public community "antique world history".
- She reads the posts in the community to find anything of her interest but she cannot find a single post about antique art works.
- She decides to share a post stating her intention of finding a masterpiece and asks for guidance after joining the community.
- After a while two people commented that this post is not a suitable content for this community, that it is only about political and socioeconomic aspects of antique world history.
- One of the commenters suggests she join the private community "antique arts".
- She sends a request to join this community.
- After she is accepted, she shares her post again in this new community.
- In a couple of hours many people see the post and three of them tell her about places where she can find such works.
- She visits these places and finds an artwork that she likes.
- She then shares the photo of this sculpture and thanks for the comments.

9:31

@jmorgolis

## Home

**@breakingbadfanclub** wants to send you a message !

**@catlover** posted on **animals_club:**

hey guys! does anyone know the species of this cat? they are awesome I want to own one <3

**@impostor** posted on **online_games:**

anyone wanna join our pokemon go tournament? we will start tomorrow in Istanbul. dm for details.

Home | Search | Communities | Friends | Profile

Communities

9:31

@jmorgolis

## My Communities

Search Communities

Name: breaking_bad

Type: TV Show, Entertainment

Since: 02.2022 By: **@breakingbadfanclub**

Desc: Everything about the best TV show ever!

Name: antique world history

Type: History, Culture

Since: 09.2021 By: **@babylon**

Desc: Curious about ancient world? Let's discover!

Home | Search | Communities | Friends | Profile

antique world history

9:31

@jmorgolis

## antique world history

**Latest Posts**

7 days 2 hours ago

@jmorgolis

Herkese merhaba. Mezuniyet projem için 17'nci yüzyıl Türk ve Pers heykelciliği üzerine çalışmak istiyorum. Buna uygun bir eseri nereden bulabilirim?

7 days 1 hour ago

@cerennn

Merhaba bence buraya değil de antique arts topluluğuna yazsan daha uygun olurdu. Burası antik dünyanın siyasi tarihiyle ilgili.

7 days 47 minutes ago

@eyjafjallajokull

Aynen kankaa antique arts topluluğunda kesin yardımcı olurlar burası biraz alakasız.

Home | Search | Communities | Friends | Profile

antique arts

9:31

@jmorgolis

## antique arts

**Latest Posts**

6 days 20 hours ago

@jmorgolis

Herkese merhaba. Mezuniyet projem için 17'nci yüzyıl Türk ve Pers heykelciliği üzerine çalışmak istiyorum. Buna uygun bir eseri nereden bulabilirim?

6 days 16 hours ago

@oskanefendi

Merhaba, kapalıçarşıya gidersen orda çok sayıda seçenek bulabilirsin. Oskan Efendi Heykelcilik özellikle tavsiyemdir sahibi benim.

5 minutes ago

@jmorgolis

Çok teşekkür ederim tüm yorumlar için. Söylediğiniz her yeri gezdim ve istediğim gibi bir eser buldum <3

Home | Search | Communities | Friends | Profile

### 6.3.2 Creating and Initializing Community


**Persona**

- Alicia
- Age: 23, Female
- Job: Student
- Interested in musical instruments and their specifications.
- Registered user with default permissions who wants to enjoy the app.

**Preconditions**

- There is no community that meets the demand of the current user.
- The user specifically wants a community to share and learn about musical instruments.

- The user is already logged in

**Goals**

- The user realizes that there is no community for musical instruments.
- The user creates a new community for musical instruments.
- The user creates a guideline for community

**Acceptance Criteria**

- A new community related to musical instruments is created by the user.
- The user defines a community guideline.
- The user defines a moderator role permission
- The user creates a data type.

**Actions**

- Users search for a musical community.
- Among some communities, he cannot find the one.
- Then she creates a community for musical instruments by clicking a button.
- She gives a name to the community "MusicalBunnies" and a description.
- Creates a guideline (as a pinned post? or a page?)
- Creates a moderator role and edits the permissions.
- Creates some data types for this community.
- PianoInstrument data type: number of keys, sensitivity level on the keys, sound quality, weight, pictures and price.

### 6.3.3 Filter and Sort


**Persona**

- Louise Anna Nielsen
- 16 years old
- Student at Denmark high school
- Volleyball player

**Story**

- Anna is a 10th-grade student at high school.
- She is in the volleyball team of her school.
- She loves playing volleyball and plays regularly to stay on the team.
- She went on vacation to Jutland - Odense with her family.
- She wants to play volleyball on vacation but she doesn't have any friends around.
- She decides to find a tournament from our platform by looking up posts from the DenmarkVolleyball community for Jutland-Odense location.

**Preconditions**

- Anna is a registered user of our platform.
- She is a member of the DenmarkVolleyball community.

**Goals**

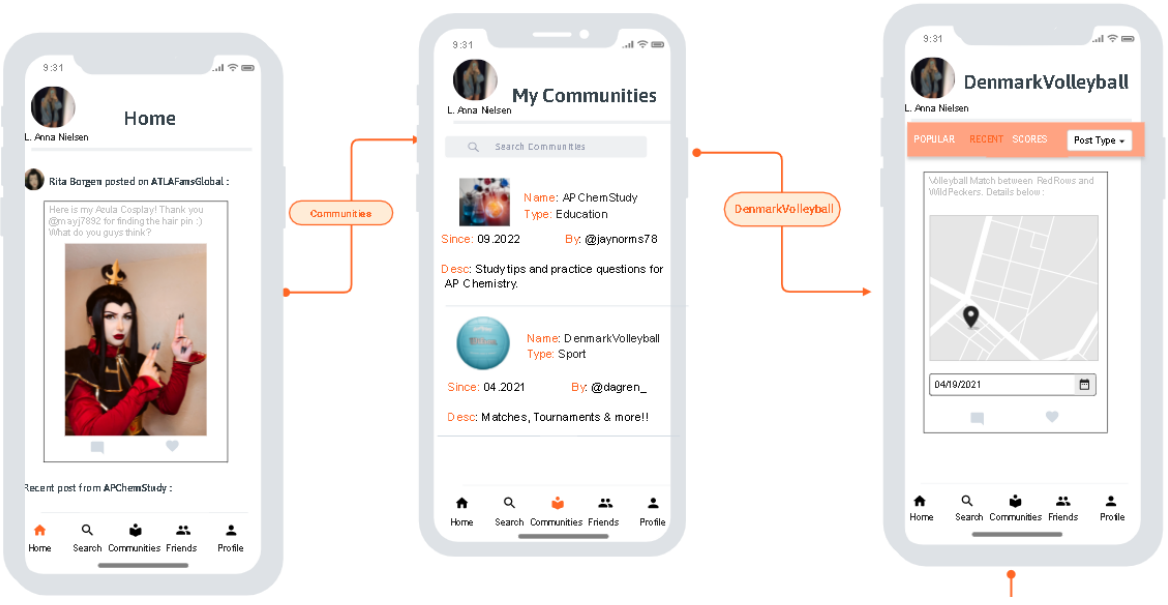
- Anna wants to attend a volleyball tournament at Jutland-Odense.
- Anna wants to find an active tournament posted from the DenmarkVolleyball community with Jutland location attribute.

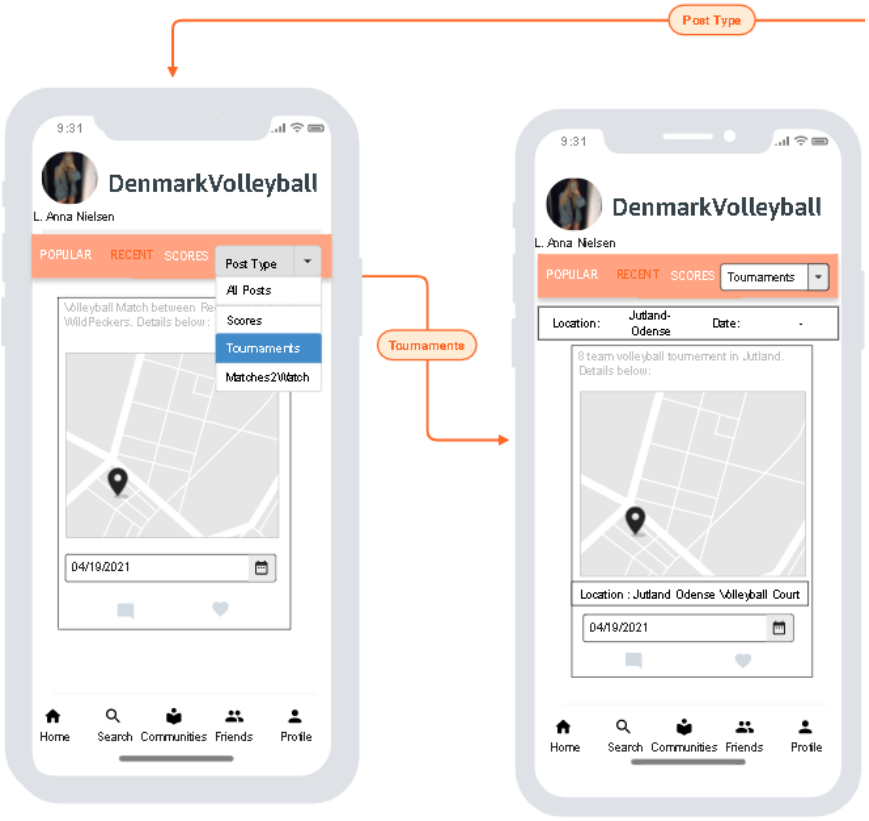
**Acceptance Criteria**

- Members of a community can view all posts in the community.
- Users can filter community pages to see only posts of a specific Data Type.
- Users can filter posts they see based on their attributes.
- Users can choose how a feed of posts is sorted.

**Scenario & Mockup**

1. Anna opens the home page from the mobile application.
2. Anna clicks the communities button.
3. She finds the DenmarkVolleyball community from her following community list and clicks.
4. DenmarkVolleyball community page has lots of different types of posts.
5. She selects filters and chooses the option "tournament" to only see posts of tournament data type.
6. The community page now shows only tournament posts. She selects filters again and filters the Location attribute to "Jutland-Odense".
7. Then she clicks "Sort By" and from the options selects "Most recent".
8. She clicks on a tournament and sees its content and comments.






### 6.3.4 Set Privacy

**Persona**

- Barack Hussein Obama
- 60 years old
- Politician
- Democrat
- Enjoys watching TV Shows
- Huge fan of Breaking Bad and Walter White

**Story**

- Barack Hussein Obama is a politician in the United States.
- He participated in the election of 2009, to be president of the United States.
- He won the election and became the first and only African-American president in the history of U.S.A .
- He served his country for 8 years, then he retired.
- Now, he wants to live a quiet life, and spare time for his hobbies.
- He wants to use purposeful community software, to share critics with other people about his favorite TV Shows.
- He wants to hide his personal information from other users, but his friends in the software.

**Precondition**

- There is not any precondition, he just decided to use the software and find other people that are interested in basketball.

**Goals**

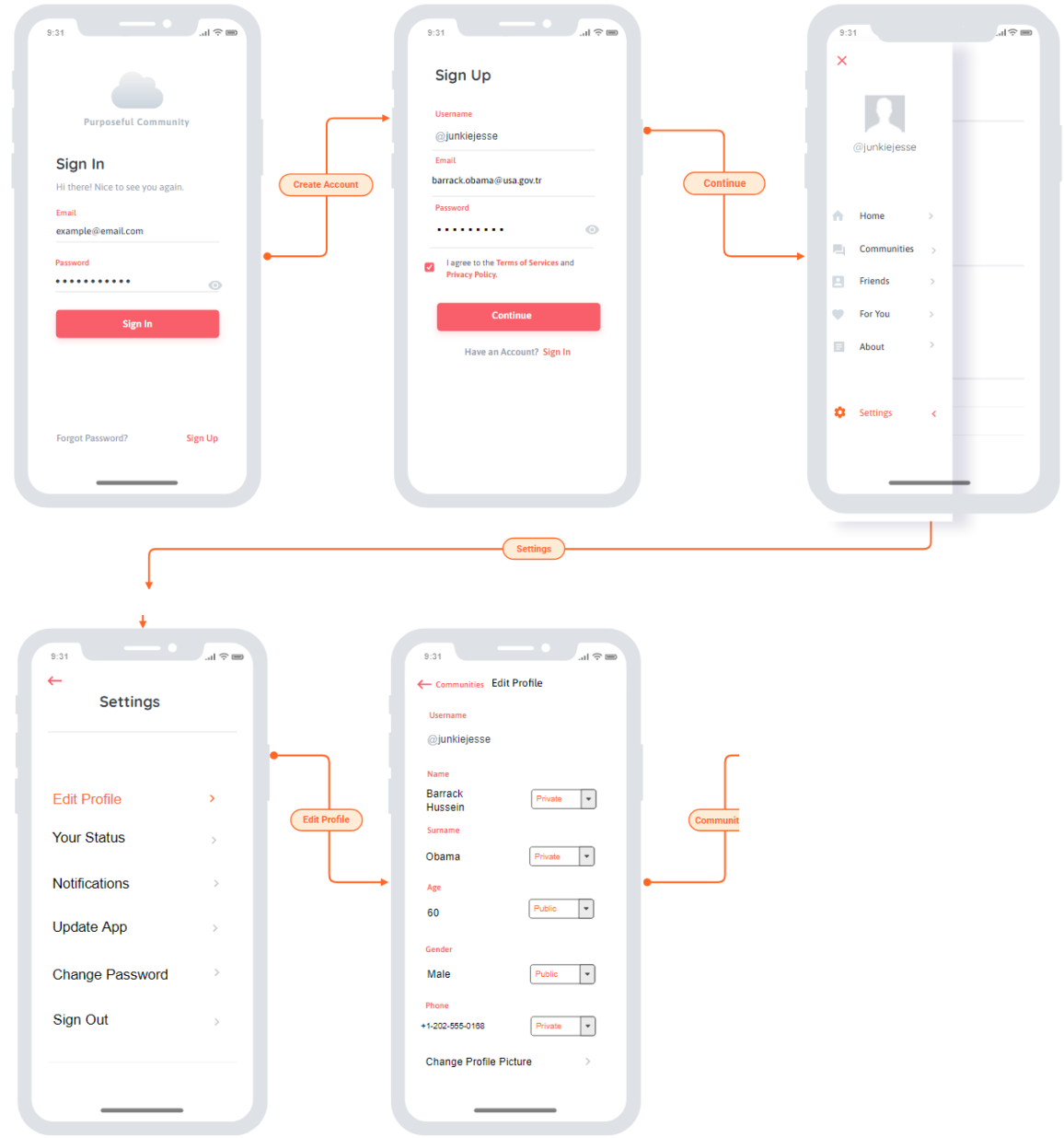
- He wants to create a profile.
- Then he wants to decide some information from other users.
- Finally, he wants to join a community.

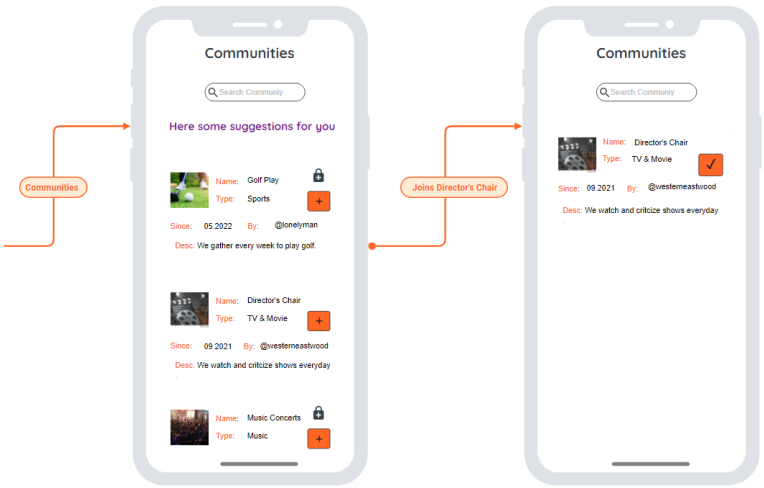
Acceptance Criteria

- Each user shall have a unique username and password- that contains letters, digits, underscore and symbols- to sign into the system. They will use this unique username and password combination to log in.
- Each user should be able to choose the communities that they are interested in.
- Each user should create a profile about them, that contains information about them.
- Each user should reveal as much information about them as they want.

**Scenario**

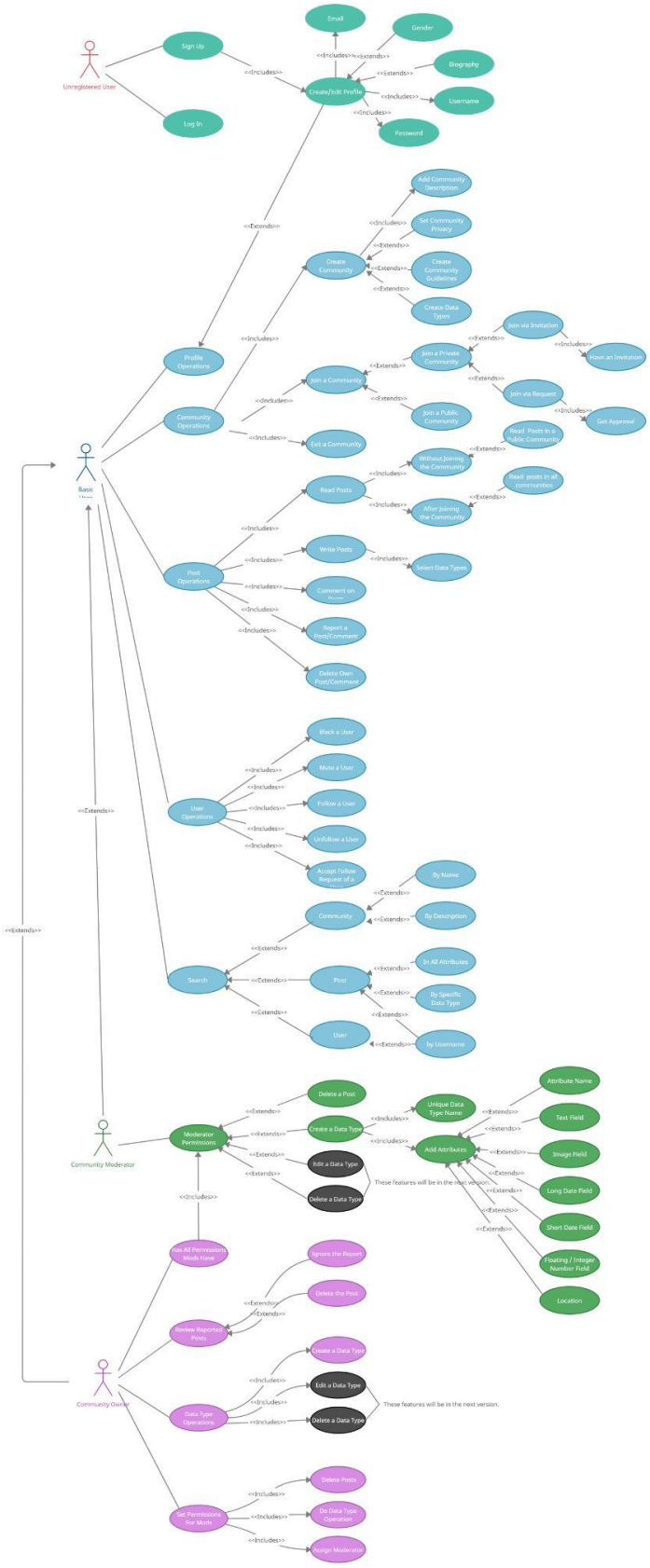
1. Barrack opens software.
2. At the first page he faces, he taps the Sign-Up button.
3. He enters mail and a password to sign-up.
4. Then he clicks to Settings/Edit Profile.
5. Then he starts to enter his personal information such as username, name-surname, age, gender, phone number, mail, password.
6. In every box that he enters his information, there is a mini-box next to it, where he can choose whether this information is public or private.
7. Since he is a famous person, he decides to make personal information private to avoid too much interest from other users.
8. After he enters valid entries, he goes to the communities page in software.
9. Since he is a first-time user, he will be recommended for some communities to get started with the software. He will be able to join one of these recommended communities, or he can search one specific community.
10. He decides to join a community related to TV Shows.


9:31
Purposeful Community
Sign In
Hi there! Nice to see you again.
Email
example@email.com
Password
Sign In
Forgot Password?
Sign Up
Create Account
Sign Up
Username
@junkiejesse
Email
barrack.obama@usa.gov.tr
Password
I agree to the Terms of Services and Privacy Policy.
Continue
Have an Account? Sign In
Continue
@junkiejesse
Home
Communities
Friends
For You
About
Settings
Settings
Settings
Edit Profile
Your Status
Notifications
Update App
Change Password
Sign Out
Edit Profile
Communities Edit Profile
Username
@junkiejesse
Name
Barrack Hussein
Private
Surname
Obama
Private
Age
60
Public
Gender
Male
Public
Phone
+1-202-555-0168
Private
Change Profile Picture
Communit


Communities
Communities
Search Community
Here some suggestions for you
Name: Golf Play
Type: Sports
Since: 05.2022 By: @lonelyman
Desc: We gather every week to play golf.
Name: Director's Chair
Type: TV & Movie
Since: 09.2021 By: @westerneastwood
Desc: We watch and critcize shows everyday
Name: Music Concerts
Type: Music
Joins Director's Chair
Communities
Search Community
Name: Director's Chair
Type: TV & Movie
Since: 09.2021 By: @westerneastwood
Desc: We watch and critcize shows everyday

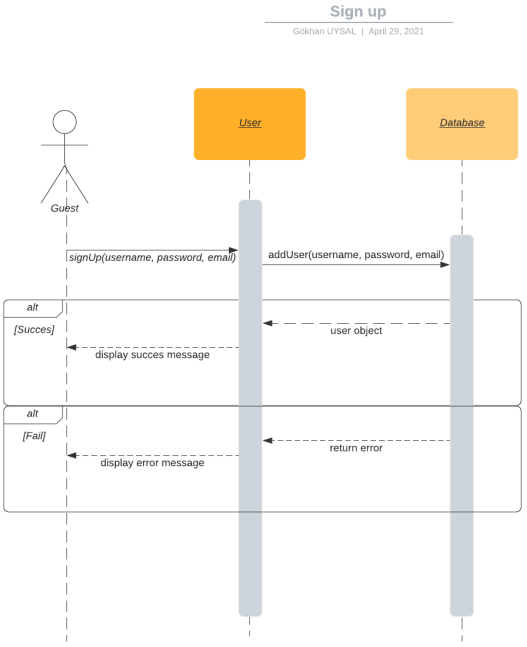
## 6.4 Software Design Documents in UML

### 6.4.1 Use Case Diagram

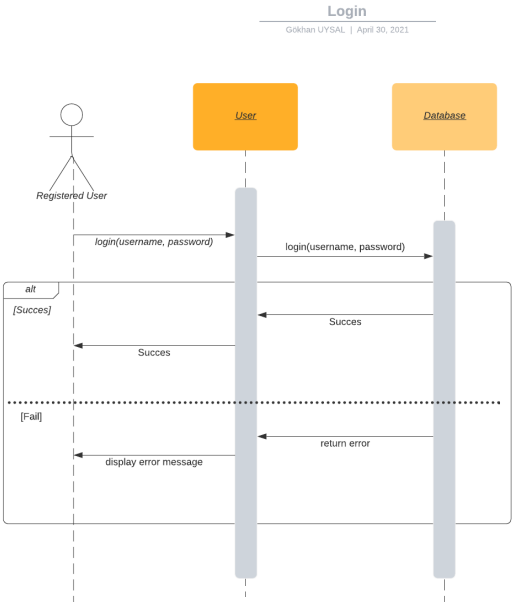


# 6.4.2 Sequence Diagrams

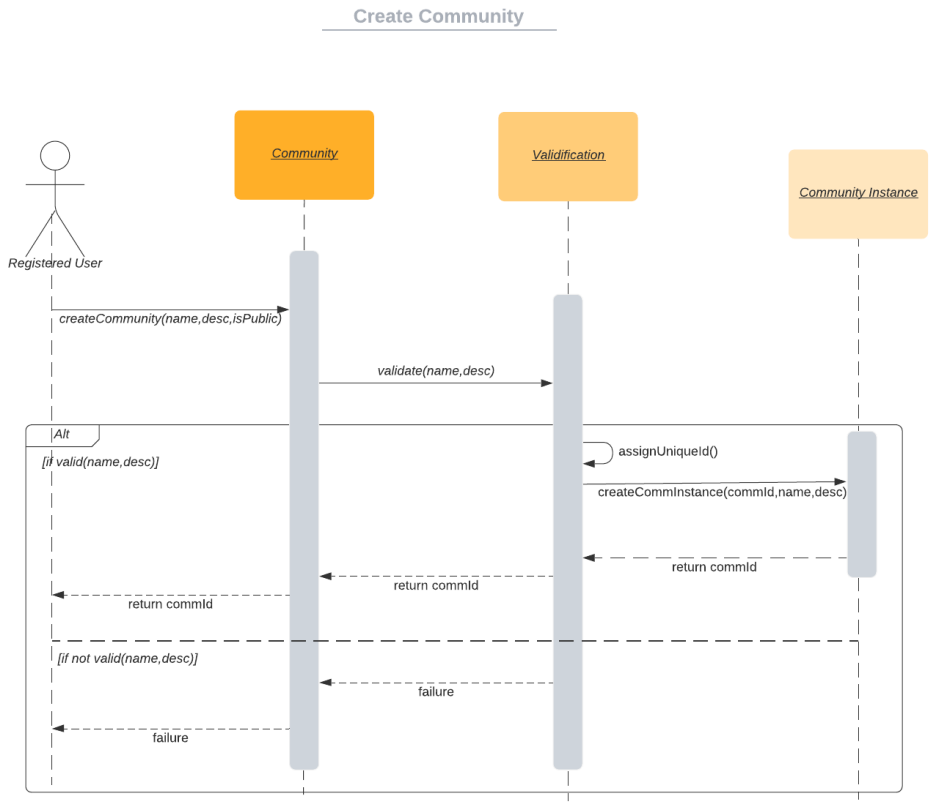
## 6.4.2.1Signup



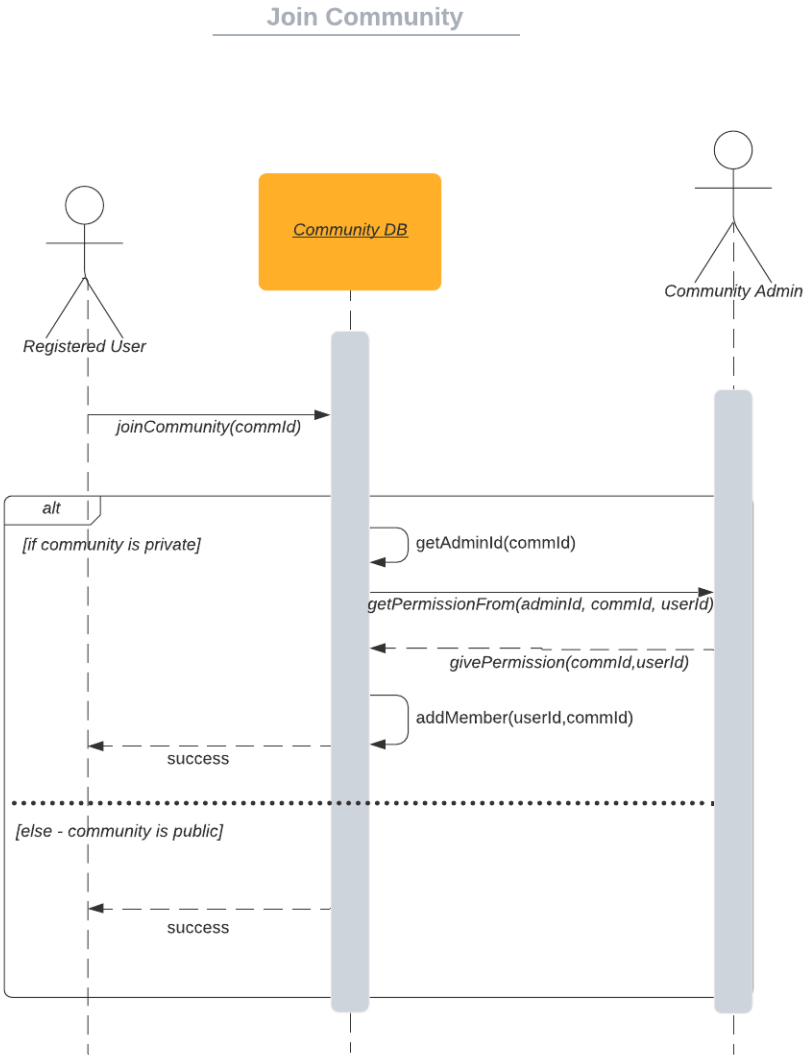

## 6.4.2.2Login



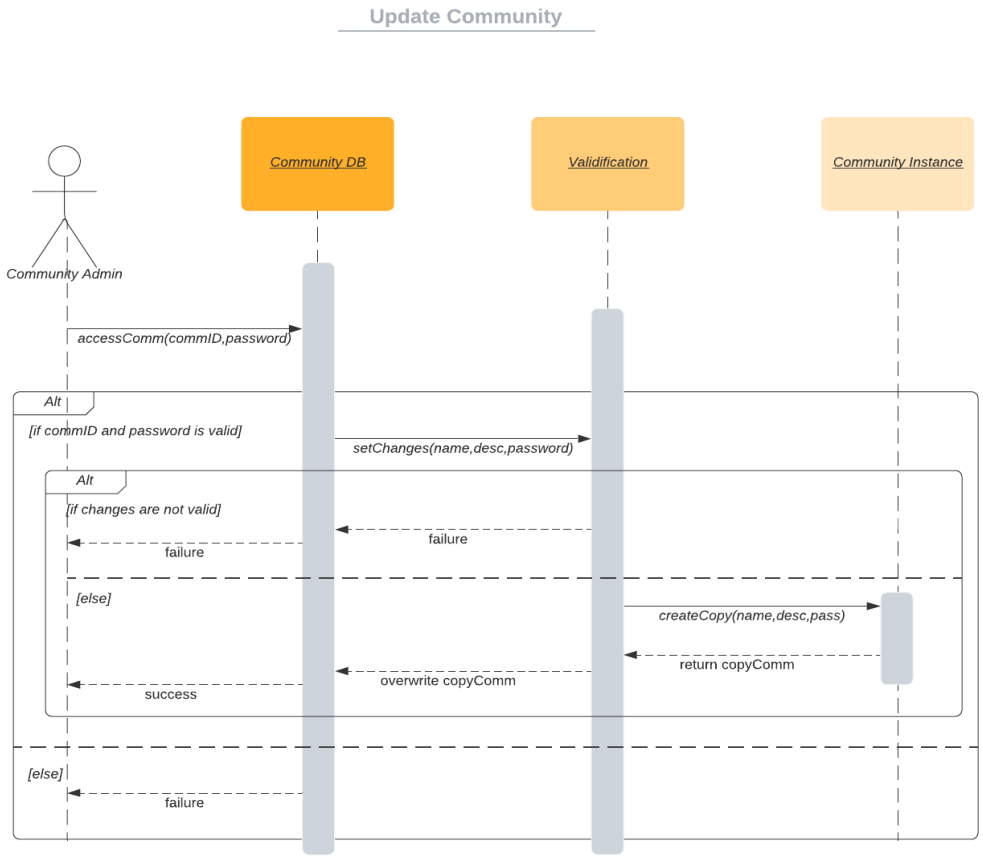
# 6.4.2.3Create Community



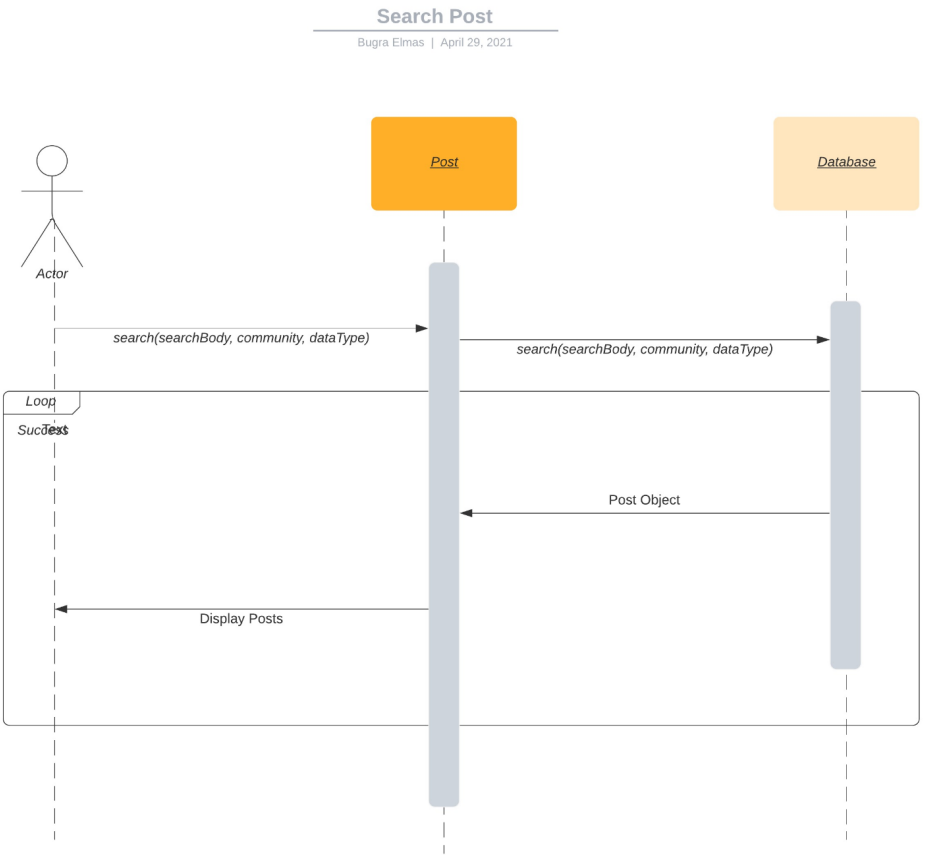
## 6.4.2.4Join Community



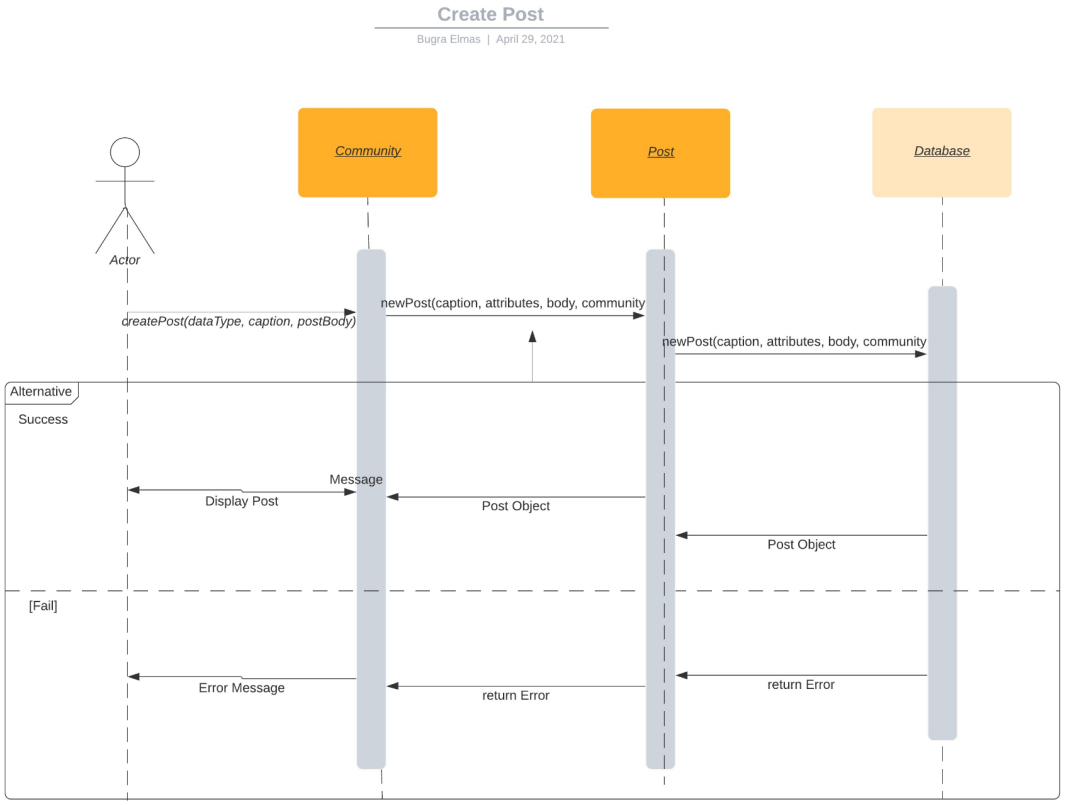
# 6.4.2.5Update Community



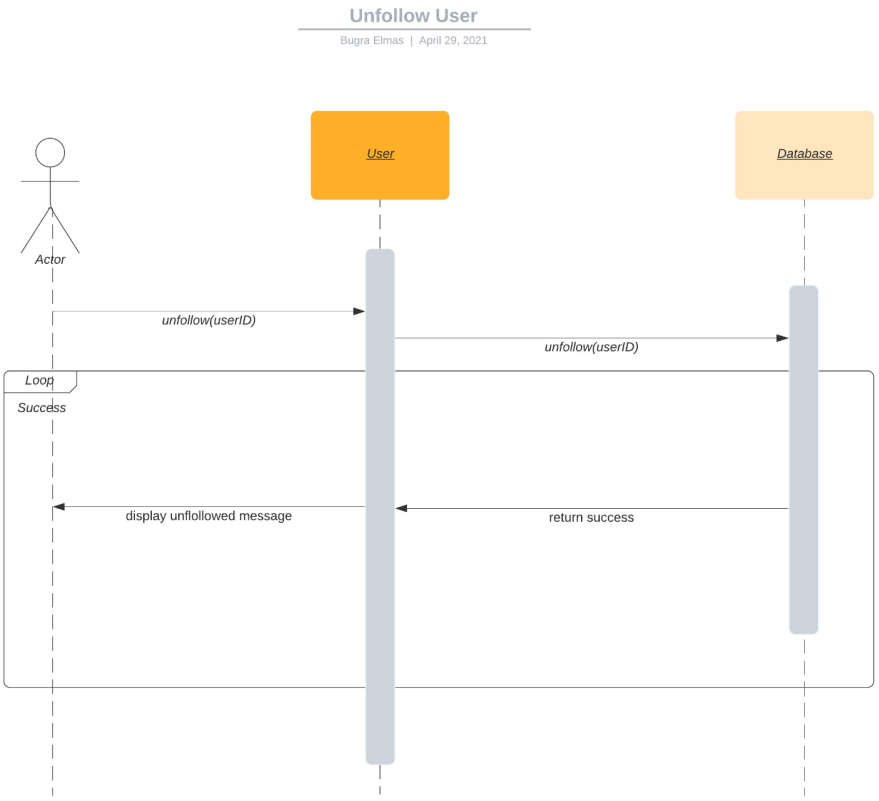
## 6.4.2.6Search Post



# 6.4.2.7Create Post

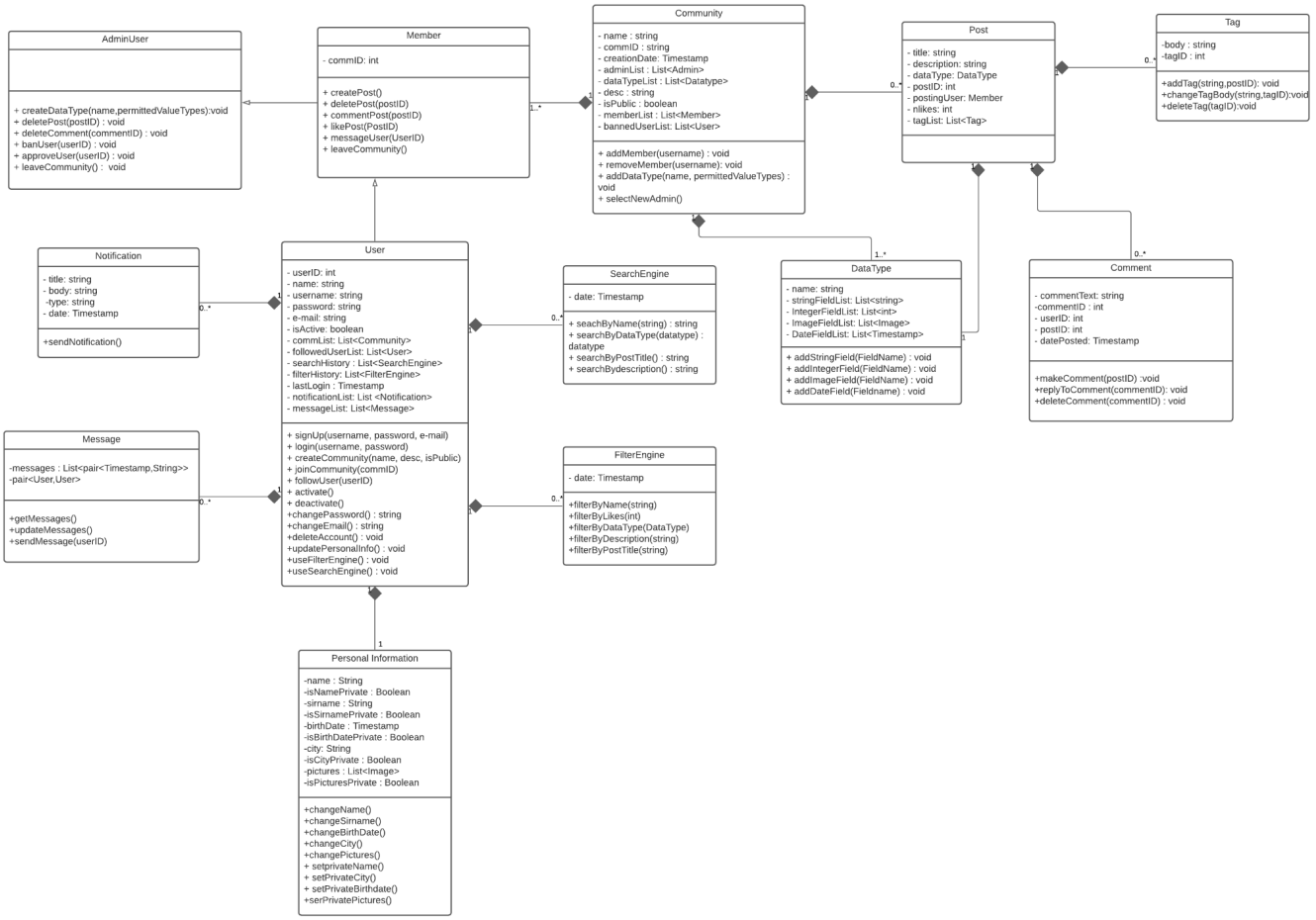


# 6.4.2.7Unfollow User



## 6.4.3 Class Diagram

View in detail here




# 6.5 Project Plan and RAM

## Project Plan:

| | Name | Duration | Start Date | End Date |
|---|---|---|---|---|
| 1 | Infrastructure setup | 7 days | 3/23/2021 | 3/30/2021 |
| 2 | Creating personal pages | 7 days | 3/23/2021 | 3/30/2021 |
| 3 | Repository research | 7 days | 3/23/2021 | 3/30/2021 |
| 4 | Time tracking | active | 3/23/2021 | active |
| 5 | Creating communication plan | active | 3/23/2021 | active |
| 6 | Creating issues | active | 3/23/2021 | active |
| 7 | Modify README.md file | 24 days | 3/23/2021 | 4/16/2021 |
| 8 | Git research | 6 days | 3/23/2021 | 3/29/2021 |
| 9 | Favorite repository research | 7 days | 3/23/2021 | 3/30/2021 |
| 10 | Editing wiki pages | active | 3/23/2021 | active |
| 11 | Deciding metting times | 1 hour | 3/26/2021 | 3/26/2021 |
| 12 | Adding meeting notes | active | 3/27/2021 | active |
| 13 | Attending weekly meetings | active | 3/27/2021 | active |
| 14 | Taking meeting notes | active | 3/27/2021 | active |
| 15 | Creating slack channel | 2 minutes | 3/27/2021 | 3/27/2021 |
| 16 | Creating glossary | 6 days | 4/3/2021 | 4/9/2021 |
| 17 | Functional requirements | 14 days | 4/3/2021 | 4/17/2021 |
| 18 | Non-functional requirements | 15 days | 4/3/2021 | 4/18/2021 |
| 19 | Questions for the client | 13 days | 4/3/2021 | 4/16/2021 |
| 20 | Creating discord channel | 2 minutes | 4/3/2021 | 4/3/2021 |
| 21 | Similar software research | 11 days | 4/5/2021 | 4/16/2021 |
| 22 | Arranging customer meeting with TA | 3 days | 4/12/2021 | 4/15/2021 |
| 23 | Creating scenario & mockup 1 | 6 days | 4/13/2021 | 4/19/2021 |
| 24 | Creating scenario & mockup 2 | 6 days | 4/13/2021 | 4/19/2021 |
| 25 | Creating scenario & mockup 3 | 6 days | 4/13/2021 | 4/19/2021 |
| 26 | Creating scenario & mockup 4 | 6 days | 4/13/2021 | 4/19/2021 |
| 27 | Attending customer meeting with TA | 2 hours | 4/16/2021 | 4/16/2021 |
| 28 | Use case diagram | 10 days | 4/20/2021 | 4/30/2021 |
| 29 | Class diagram | 10 days | 4/20/2021 | 4/30/2021 |
| 30 | Sequence diagram: sign up | 10 days | 4/20/2021 | 4/30/2021 |
| 31 | Sequence diagram: login | 10 days | 4/20/2021 | 4/30/2021 |
| 32 | Sequence diagram: create community | 10 days | 4/20/2021 | 4/30/2021 |
| 33 | Sequence diagram: join community | 10 days | 4/20/2021 | 4/30/2021 |
| 34 | Sequence diagram: update community | 10 days | 4/20/2021 | 4/30/2021 |
| 35 | Sequence diagram: search post | 10 days | 4/20/2021 | 4/30/2021 |
| 36 | Sequence diagram: create post | 10 days | 4/20/2021 | 4/30/2021 |
| 37 | Sequence diagram: unfollow user | 10 days | 4/20/2021 | 4/30/2021 |
| 38 | Milestone 1 assigment | 11 days | 4/28/2021 | 5/9/2021 |
| 39 | ilestone 1 task distribution meeti | 1 hour | 5/6/2021 | 5/6/2021 |
| 42 | Backend development planning | 26 days | 5/6/2021 | 6/1/2021 |
| 43 | Frontend development planning | 26 days | 5/6/2021 | 6/1/2021 |
| 40 | RAM preparation | 2 hours | 5/9/2021 | 5/9/2021 |
| 41 | Project plan preparation | 1 hours | 5/9/2021 | 5/9/2021 |

## RAM:

| L - Lead<br>C - Contributor<br>A - Approval<br>R - Reviewer<br>N - None | Mustafa Can Aydın | Ezgi Batı | Muhammet Çavuş | İbrahim Buğra Elmas | Güney İzol | Akif Faruk Nane | Mehmet Selahaddin Şentop | Gökhan Uysal |
|---|---|---|---|---|---|---|---|---|
| **GitHub Repository** | | | | | | | | |
| Weekly efforts | C | C | C | C | C | C | C | C |
| Creating personal pages | C | C | C | C | C | C | C | C |
| Adding labels | L | C | N | N | L | N | C | N |
| Editing communication plan | R | R | R | R | R | L | L | R |
| Adding meeting notes | N | C | C | N | N | N | C | N |
| Similar software research | N | N | L | N | L | N | N | N |
| Git research | N | N | N | N | N | N | L | N |
| Favorite repository research | C | C | C | C | C | C | C | C |
| Creating issues | C | C | L | C | L | C | C | C |
| Creating meeting notes template | N | L | N | N | N | N | N | N |
| Adding scenarios & mockups | A | C | C | A | A | C | C | C |
| Adding sequence diagram | N | N | C/A | C/A | N | N | N | C/A |
| Adding class diagram | A | C | N | N | A | N | N | N |
| Adding use case diagram | N | N | N | N | N | C/A | C/A | N |
| Updating README.md file | R | C | C | R | C | C | C | R |
| **Requirements** | | | | | | | | |
| Creating glossary | N | R | N | N | N | N | N | L |
| Functional requirements | R | R | C | R | C | R | R | C |
| Non-functional requirements | C | C | R | R | R | R | C | R |
| Questions for the client | C | C | C | C | C | C | C | C |
| **Scenarios & Mockup** | | | | | | | | |
| Creating scenario & mockup 1 | N | N | N | N | C | N | C | N |
| Creating scenario & mockup 2 | N | N | N | C | N | C | N | N |
| Creating scenario & mockup 3 | N | C | N | N | N | N | N | C |
| Creating scenario & mockup 4 | N | N | C | N | N | N | N | N |
| **Design Diagrams** | | | | | | | | |
| Use case diagram | N | N | N | N | N | C | C | N |
| Class diagram | C | C | N | N | C | N | N | N |
| Sequence diagram: sign up | N | N | R | R | N | N | N | L |
| Sequence diagram: login | N | N | R | R | N | N | N | L |
| Sequence diagram: create community | N | N | L | R | N | N | N | R |
| Sequence diagram: join community | N | N | L | R | N | N | N | R |
| Sequence diagram: update community | N | N | L | R | N | N | N | R |
| Sequence diagram: search post | N | N | R | L | N | N | N | R |
| Sequence diagram: create post | N | N | R | L | N | N | N | R |
| Sequence diagram: unfollow user | N | N | R | L | N | N | N | R |
| **Communication** | | | | | | | | |
| Attending weekly meetings | C | C | C | C | C | C | C | C |
| Taking meeting notes | N | C | C | N | N | R | C | R |
| Deciding metting times | C | C | C | A | A | C | C | C |
| Attending customer meeting with TA | C | C | C | C | C | C | C | C |
| Arranging customer meeting with TA | A | A | A | A | A | A | L | A |
| Creating slack channel | R | R | L | R | C | C | R | R |
| Creating discord channel | R | R | L | R | R | C | R | R |