MILESTONE REPORT 1

FUNDAMENTALS OF SOFTWARE ENGINEERING

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Executive Summary

Contents

We are Bogazici University Computer Engineering students. This report mainly contains our group work in CMPE-352 (Fundamentals of Software Engineering) so far. You can see the evolution of our project in this report. It contains our communication plan, requirements of project, scenarios and mockups for both web and app, software design documents in UML, project plan and a summary of work done by each team member.

Project Description

Crowdsourced Location Stories:

We usually remember locations with the stories we lived there. Every person has stories about locations that they lived in the past and cannot forget. In our daily life, we like to tell our stories to others just as we like to listen to others' stories. In our project, we are trying to create an environment where people can share their stories about locations with each other. We are developing an application for this purpose.
There will be an android based mobile and web interface for this application. Users will write their stories about locations. They can also read others' stories. It will be possible to comment on stories or like them, so this app will provide a socializing platform for users. There will be an option to search places with time and tag filters. Application will also suggest stories to users based on their previous preferences or popular stories. Of course the most important elements of a story are time and place. Time and place can be relative, people can use a large area or a large period of time while telling their stories. So we focused on these issues in our project. We gave users the opportunity to add multiple areas and time periods to their stories. You can also see this in our scenarios and requirements.
We have basically three type of users in our application: Admins, guests and registered users. Registered users are principal user in this application. They can post stories, read other's stories, comment on stories and search locations or users. They also have profiles with personal information and the stories they shared before. Guests are basically nonregistered users with restricted privileges. They can not post stories or comments and see other users' profiles. They can read popular stories and search for locations to read stories about them. Admins are just managers of system. There is a report mechanism in application and admins are dealing with these reports. They can delete contents and ban users. For further information, you can see the requirements section.
The name of our application has not been determined yet. You can see some sample names and logos in mockups section.

Project Status

Communication

From the first day, we got to know each other and we created an excellent team chemistry in a short time. We planned our weekly meetings and try to hold them as much as we can. Other than that, we connected to some communication platforms. We created a WhatsApp group and a Slack channel where also our assistant is welcomed. Moreover, we prepared our Github repository where our whole project can be tracked and all the steps we taken can be seen.

Requirements

We talked about all the functionalities our application can have and documented them one by one. Of course, this process required so much thinking about the user expectations and the difficulty of implementations of these functionalities. However, we thought about most of the possibilities and documented them on our repository. We also prepared some key questions about our application and asked them at the customer meeting. After taking the answers, we reviewed our requirements accordingly.

Scenarios and Mockups

After specifying our project requirements clearly, we designed user interfaces which show these functionalities all together. Therefore, in the mobile application or in the web application, the possible interactions with the interface can be seen for different pages of the application. Furthermore, the customers and future users had the opportunity to inspect the functionalities from a closer and more visual perspective and thus we got more solid feedbacks about our work.

Use Case, Class and Sequence Diagrams

When we are finished about thinking all the functionalities and their compositions, we got our hands dirty and started to the actual design of our software. This process was much harder from the previous ones since we encountered more problems while planning the interior design of our project. We allocated hours of time just to specify the components of our project and how to integrate them in the diagrams. Then, we hold countless meetings to actually draw the diagrams since describing the interior components of the project in the diagrams needed much attention even if we already learned the concepts of the diagrams well in the lectures.

Project Plan and RAM

Lastly, we showed our work up to now and our plans about the future in a complex project plan. The key tasks, the time they are to be done are specified clearly in our plan and we will be adapting ourselves to that as much as we can. To be punctual and not missing the deadlines are our important priorities. In addition, we prepared a responsibility assignment matrix where each task listed in project plan is assigned to some members of the team. The contributions of each member and who will be working on which task can be tracked in this matrix and hence every member of the group know what they are supposed to work without a doubt.

Future Plans

From now on, we will think on how to actually create our project. We will plan the implementation part of the project. We are going to talk about which parts do we need in Frontend part and Backend part. We will discuss what tools to use and how to share the tasks. To achieve these, we are going to firstly do some research about APIs to be used and write some test cases. Actually, we prepared a project plan including all these future steps and also summarizing the work done up to now. But of course, our plans can change as time progresses. As a team, we meet twice each week and while talking about thee current tasks, we also discuss the what difficulties we can encounter in the future tasks like implementation.

List and Status of Deliverables

Deliverable	Status
Communication Plan	Completed
Requirements Specification	Completed
Scenarios & Mockups	Completed
Use Case, Class & Sequence Diagrams	Completed
Project Plan & RAM	In Progress

Evaluation of the Status of Deliverables

Communication Plan

Strong communication is a key concept when working in teams. Planning our communication ways in the beginning was cruical to take a solid next step in our project.
According to our plan, we are gathering weekly on Google Meets to share tasks. Most of the time we hold extra meetings to discuss tasks which we consider as an urgent problem. Sticking to our communication plan helps us to organize and progress in a better way as a team.

Requirements Specification

At first, we prepared a requirement draft that covers general functionalities of our platform by examining similar software systems and project description. After we held meetings with customer and the assistant, we made changes and additions on requirements based on the feedback we received from these two. As we proceed with Mockups and Diagrams, we had a better understanding of our project requirements and the current version was created.

Scenarios & Mockups

Since we have three user types, we decided to write different scenarios for each one of them. For this aim, we were divided into three groups, a group for each user type's scenario & mockups. We had prepared both web and mobile application templates for mockups to have consistent design, each group used these templates. Determining user scenarios and preparing mockups has helped us to visualize our platform and clarify the requirements of each user type.

Use Case, Class & Sequence Diagrams

Use Case Diagram shows the actions that user can perform on our platform. Class Diagram describes the structure of the project by showing the classes and relationships among them. We wrote use cases and fields & attributes of the classes based on our requirements. After completing Use Case and Class Diagrams, we created Sequence Diagrams which shows the interactions between classes sequentially when a user performs an action from our Use Case Diagram. We used classes from our Class Diagram. After creating the diagrams, we had to make couple of changes as we received feedback from our assistant and reviewed each other's work. Designing our system has made us question some of the items in our Requirements and by modifying the items we had discussed we believe we have a Requirements version that defines our project more clearly than the older ones.

Project Plan & RAM

By planning the project, We can clarify the objectives, keep track of our work, manage resources effectively and organize better as a team in the future stages of the project. RAM also contributes to trackability by showing each member's role in tasks. We believe that completing these are essential for managing our project properly.

Evaluation of Tools and Processes

Github: Github is the main project development platform, where we keep the documentation and implementation of the project. It is quite practical to use by providing the git technology, issue management systems and supporting markdown syntax.

Slack: Slack is the main communication platform for both the group members and the customer. It allows the team to manage the communication between different sub-groups and with the customer by supporting private/public channel creation. Slack is also has the option to integrate the Github repository to workspace.

Zoom: Zoom is face-to-face online meeting platform, where the team used to meet with the customer. Zoom is a good option to get quick responses from customers. However, it has a time limit of 40 minutes for more than two people in the meeting.

Google Meets: Google meets are the main face-to-face communication platform for the group members meetings. Most valuable part of the Google Meets is that it has unlimited meeting time, which is helpful for our long weekly meetings.

WhatsApp: WhatsApp is a communication platform via chat. It is used widely in the group members. It is a good way to get instant responses and feedbacks from the group members.

Figma: Figma is a web-based graphic design tool. It was used to create mock-ups. It has a workspace creation option which is a helpful for multiple members to work on the same mock-ups

Lucidchart: Lucidchart is a web-based drawing platform. It was used for drawing use case diagram, sequence diagram and class diagram. It has a workspace creation option, which helps the team to work on the same diagrams at the same time.

ProjectLibre: ProjectLibre is a project management system. It will be used to create and design the Project Plan.

Google Docs: Google Docs is an online text editor. It is used as an notebook for our meetings. It can be edited simultaneously and is visible for all.

Summary of Work Done by Each Member

Abdulkadir Elmacı	• Attending most weekly and all assistant meetings • Researching previous years repos • Discovering GitHub repositories • Creating personal wiki page • Learning about Git • Requirements elicitation • Creating glossary • Reviewing requirements after customer meeting • Creating user scenario • Creating user mockups • Taking notes for meeting #5 • Determining class diagram components • Drawing class diagram components • Updating class diagrams based on TA's feedback • Determining sequence diagram components • Drawing some of the sequence diagram components • Creating RAM for the the task done until Milestone #1 • Writing future plans for Backend
Yağız Efe Şabanoğlu	• Attending most weekly and all assistant meetings • Writing weekly efforts for my Personal Efforts Page • Creating a Personal Wiki Page • Analyzing previous groups' repositories • Researching platforms similar to our projects and adding them into github • Creating table and preparing template of research of similar project page • Review the admin scenario and suggest edits • Preparing the mockup for the Admin Scenario • Meeting with the customer • Researching the class and sequence diagram • Determining class diagram components and drawing three about controllers • Determining sequence diagram components and drawing cases 8-11 and 12 • Modifying the class diagram to draw the sequence diagram • Preparing a project plan for the part of the 352 course covered so far • Updating the project plan for the prepared future plan
Erencan Uysal	• Attending all weekly and assistant meetings • Creating README page • Examine previous years groups' repositories • Creating personal wiki page • Examine several github repositories and document favorite one • Doing research about git • Finding customer questions • Attending customer meeting • Documenting meeting notes for meeting #4 and #9 • Create user scenarios

	• Create mockups for user scenarios in android • Determining the Use Case Diagram components • Drawing the Use Case Diagram • Modifying Use Case Diagram based on assistant's feedback • Determining classes for Class Diagram and relationships between classes • Writing the executive summary for the Milestone Report 1 (contents and description parts) • Writing a future project plan for frontend part • Writing weekly efforts to github
Hamza Akyıldız	• Preparing Communication Plan • Discovering GitHub repositories • Creating Slack workspace • Requirements elicitation • Creating a glossary • Creating Admin user scenario • Taking meeting notes • Meeting with the customer • Determining use cases and drawing use case diagram • Determining sequence diagrams and drawing three of them • Reviewing and updating the requirements before first milestone report • Reporting the evaluation of the tools and processes • Planning the upcoming backend design and implementation
İsmail Ata İnan	• Attending all our weekly group meetings • Attending all meetings with the assistant • Creating the Wiki Home Page, Sidebar and Footer for our Github repository • Creating a personal Wiki page • Looking at several Github repositories and explaining one at Wiki • Doing a research about Git • Determining the format and the specification of the Requirements and listing them in the repository • Communicating with the assistant whenever we had questions • Inviting the assistant to our Slack channel • Reviewing and modifying the Requirements after feedbacks • Attending to the customer meeting • Writing the Guest user scenario • Preparing the mockup for the Guest user scenario using the mobile application • Documenting the meeting notes for Week 4 • Determining the Use Case Diagram components • Drawing the Use Case Diagram • Modifying Use Case Diagram based on assistant's feedback • Determining the key use cases for Sequence Diagrams • Drawing 4 Sequence Diagrams • Writing the executive summary for the Milestone Report 1 • Writing a project plan for the rest of the 352 course
	• Attending all weekly and assistant meetings

	• Preparing a Meeting Notes Template
Merve Rabia Barın	• Discovering a Github repository and summarize it • Research about Git • Creating a Personal Wiki page • Contributing to the specification of requirements • Modifying requirements based on the assistant's feedback • Contributing to the creation of User Scenario including persona, story, goals and acceptance criteria • Creating Web Mockups for Sharing and Editing Story pages • Editing User Scenarios page in Wiki & dividing scenarios into three • Attending Customer Meeting • Determining use cases for Use Case Diagram • Drawing Use Case Diagram • Modifying Use Case Diagram based on assistant's feedback • Determining classes for Class Diagram and relationships between classes • Listing deliverables and their status, also evaluating the status of each deliverable for the first Milestone Report • Writing a project plan for the rest of the 352 course
Onur Can Avcı	• Attending all weekly and assistant meetings • Attending all meetings with the assistant • Examining previous groups' repositories • Connect Github Repo with Slack • Creating a personal wiki page • Discovering a Github repository and summarize it • Creating table and prepare template of research of related project page • Creating a team in Figma for simultaneously develop • Writing the Guest user scenario • Making research about mockups • Preparing the mockup for the Guest user scenario using the mobile application • Determining the Use Case Diagram components • Drawing the Use Case Diagram • Modifying Use Case Diagram based on assistant's feedback • Determining the key use cases for Sequence Diagrams • Drawing 3 Sequence Diagrams • Reviewing listing deliverables and status • Filling project plan • Creating future plan for mobile and front-end
Ramazan Bulut	• Attending our weekly meetings • Attending meetings with the responsible assistant • Examining old repositories prepared by previous years' groups • Wiki Page designing • Creating personal Wiki Page • Git Version Control System research and documenting it as a cheatsheet • Discovering Git repositories • Documenting personal effort weekly • Making pre-meeting research about week's task • Communicating with group members about implementation process • Documenting and clarifying question to be asked to the customer

	• Research on how mockups should be according to requirements and scenario
	• Preparing a admin web page template and creating some pages • Determining classes by checking their requirements • Creating 2 classes on diagram and attending a connection meeting • Reviewing other class diagrams created by other members • Determining and creating sequence diagrams • Facilitating communication between class and sequence diagram groups • Creating RAM table and filling it • Creating future plan for mobile and front-end
Umut Kocasarı	• Attending all our weekly and review meetings • Attending all the meetings done with the assistant • Examining previous years' repositories • Creating a personal wiki page • Creating a template for personal efforts • Making git research and summarizing it with explanations and images • Discovering Github repositories and summarizing one of them • Communicating with the team about what I have done and how the progress is • Understanding the project and preparing questions • Asking questions to the assistant during meeting and saving the answers • Updating the questions page according to the answers • Making research about mockups • Creating a scenario for guest in website • Preparing the mockup for guest at website • Helping the team in use case diagram preparation • Modifying Use Case Diagram based on assistant's feedback • Determining classes for Class Diagram and dividing them between each other • Doing my personal part of Class Diagram • Combining classes with appropriate relationships • Reviewing what other team members have done about Sequence Diagram • Creating title page of milestone report • Combining all the markdown files in an appropriate format for milestone report with the table of content and title page and doing this in an automatic way • Planning the backend for future work with the backend team

Deliverables

Communication Plan

WHO?	WHAT?	HOW?	WHEN?	WHERE?
All Team Members	• Reporting weekly progress of individual tasks • Determining and distributing tasks	Online	Wednesday Evenings	• Google Meets
Available team members	• Urgent problems	Online	Whenever necessary	• Google Meets • Zoom
All team members	• Task progress • Issue handling updates	Online	Daily	• Slack • GitHub
All team members	• Short Discussions • Updates on Communication Plan	Online	Any time	• Slack • WhatsApp • E-mail
All team members	• File Sharing	Online	Any time	• Google Drive
All team members	• Final review of weekly assignments	Online	Sundays	• Google Meets • Slack

Team Members

- **Abdulkadir Elmacı**
- **Efe Şabanoğlu**
- **Erencan Uysal**
- **Hamza Akyıldız**
- **İsmail Ata İnan(Communicator)**
- **Merve Rabia Barın**
- **Onur Can Avcı**
- **Ramazan Bulut**
- **Umut Kocasarı**

Requirements

Glossary

1. Account Information : A user’s personal data such as name, email, username, location, birthday etc.
2. Admin : A user of the system that organizes and manages other users’ activities.
3. Banning : Prohibiting a user’s access to the system.
4. Black List : The list of users who are not allowed the login the system.
5. Blocking : Event that represents a user(blocker) prohibiting another user’s(blocked) interaction to herself.
6. Caption : A title or a brief explanatory text.
7. Comment : Messages that users leave to a post.
8. Downtime : Time during when the system is unavailable for use.
9. Email : A Message that is sent from a computer user to other user or users via a network electronically.
10. Failure : An unsuccessful event in the system.
11. Follow : Where a user chooses to see another user's or location's posts in feed.
12. Guest : A person in the system that has not logged in.
13. HTTPS : Stands for Hypertext Transfer Protocol Secure.
14. Like : A user showing their approval to another user’s activity.
15. Location : A real place in the world that has been added to the system.
16. Maintenance : A scheduled event that is for keeping the system in a good condition.
17. Mute : A user disabling the notifications of a user or a place.
18. Notification : A message sent by the system to a user.
19. Notifications Box : Where all the notifications are kept together.
20. Password : A character string that enables a user to login.
21. Pinning : The way of highlighting the desired content by user.
22. Post : Social media content that is uploaded the system such as photo, video, or story.
23. Privacy Policy : Legal document that states how the system discloses the usage of data gathered from users.
24. Private Account: Only followers who the account approves can see its profile and posts.
25. Profile : It is a unique page for each users showing their personal information.
26. Public Account: Anyone can see the account’s post.
27. Recommendation : Recommending the other users or locations according to user’s interests.
28. Reply : A function that allows the user to respond to a comment or a reply.
29. Report : Reporting any content that is in violations of the our Terms of Use.
30. Search : Trying to find a location, user or a post.
31. Semantic Search : Searching process with understanding a searcher’s intent through contextual meaning.
32. Story : An account of past event in someone's life.
33.Spam Folder : The folder, in which users cannot access the contents, containing spam contents.
34. System: Software of the product.
35. Tag : Keyword added to a social media post to categorize content.
36. Terms of Use : The legal agreements that clarifies the legal obligations of the user, which is declared by service provider, in case of using the service.
37. User : Whoever has an account with which a user can successfully login to the system.
38. Username : A character string that identify a user.

1. Functional Requirements

1.1 User Requirements

- **1.1.1 Profile**
  - **1.1.1.1** Users shall be able to hide their profile from other users.
  - **1.1.1.2** The profile visibility of users shall be public in default.
  - **1.1.1.3** Users shall be able to view, edit any of their personal information (email, username and name, location, birthday if provided).
  - **1.1.1.4** Users shall be able to see users that they follow and are followed by.
  - **1.1.1.5** Users shall be able to delete their accounts.
- **1.1.2 Posting**
  - **1.1.2.1** Users shall be able to create posts with a photo or video.
  - **1.1.2.2** Users shall be able to add tags and stories to their posts.
  - **1.1.2.3** Users shall be able to add multiple locations related to their story.
  - **1.1.2.4** Users shall be able to specify time in their posts to declare when the photo or video in the post is filmed.
  - **1.1.2.5** Users shall be able to edit and delete their own posts.
  - **1.1.2.6** Users shall be able to like the post of their followings.
  - **1.1.2.7** Users shall be able to comment on the post of their followings.
  - **1.1.2.8** Users should be able to save the posts of their followings.
  - **1.1.2.9** Users shall be able to review likes and comments of their own posts.
  - **1.1.2.10** Users should be able pin comments made to their own posts to the top.
  - **1.1.2.11** Users shall be able to delete comments made to their own posts.
  - **1.1.2.12** Users shall be able to reply comments made by other users.
- **1.1.3 User to User Interaction**
  - **1.1.3.1** Users shall be able to review the posts of their following accounts.
  - **1.1.3.2** Users shall be able to report other users for inappropriate posts, comments or profile.
  - **1.1.3.3** Users shall be able to follow other users.
  - **1.1.3.4** Users shall be able to unfollow other users.
  - **1.1.3.5** Users shall be able to see, like and comment on the posts that other users that they follow or users that have public profile have created.
  - **1.1.3.6** Users shall be able to see the followers and followings of other users that they follow or users that have public profile.
- **1.1.4 Searching**
  - **1.1.4.1** Users shall be able search other users by their username.
  - **1.1.4.2** Users shall be able search locations by their name.
  - **1.1.4.3** Users shall be able to specify the searched location on the map.
  - **1.1.4.4** Users shall be able to do semantic search by using tags.
  - **1.1.4.5** Users shall be able to filter the search results according to time.
- **1.1.5 Recommendation**
  - **1.1.5.1** Users shall be able to view recommended locations based on their system activity and current location.

1.2 Guest Requirements

- **1.2.1** Guests shall be able to create a new account by choosing a password (email confirmation) and providing email, username (*name*, *location*, *birthday* optionally).
- **1.2.2** Guests shall be able to login to the system by entering username and password if they already have an account.
- **1.2.3** Guests shall be able to search and view locations, shall not be able to search or view users.

1.3 Admin Requirements

- **1.3.1** Admins shall be able to login to the system by entering username and password.
- **1.3.2** Admins shall be able to review any content that is reported by users.
- **1.3.3** Admins shall be able to filter reported contents for the types of posts, comments,tags and accounts.
- **1.3.4** Admins shall be able to add users to Black List
- **1.3.5** Admins shall be able to remove the users from Black List
- **1.3.6** Admins shall be able to add the content of post, comment, and tags into the spam folder.
- **1.3.7** Admins shall be able to use any search functions that are used by users.
- **1.3.8** Admins shall be able to receive messages from users.
- **1.3.9** Admins shall be able to reply to messages of users.

1.4 System Requirements

- **1.4.1 Sign Up**
  - **1.4.1.1** System shall require e-mail confirmation after sign-up.
  - **1.4.1.2** System shall not allow multiple registration with the same e-mail.
- **1.4.2 Login**
  - **1.4.2.1** System shall require a password and a unique username to login.
  - **1.4.2.2** The password shall be at least 8 characters.
  - **1.4.2.3** The password shall consist of alphanumeric characters.
  - **1.4.2.4** The username shall consist of alphanumeric characters.
- **1.4.3 Recommendation**
  - **1.4.3.1** The system should recommend posts and locations to users according to their activity on the system and their current locations.
- **1.4.4 Notifications**
  - **1.4.4.1** The system shall support a notification mechanism.
  - **1.4.4.2** The system shall notify the user if the following events occur via notification box.
    - **1.4.4.2.1** Any activity that happened on the user’s post
      - **1.4.4.2.1.1** Post is liked
      - **1.4.4.2.1.2** Post is commented
      - **1.4.4.2.1.2** A comment on the post is replied
    - **1.4.4.2.2** Any activity that happened on the user profile
      - **1.4.4.2.2.1** The user is followed
      - **1.4.4.2.2.2** The private user gets following request
      - **1.4.4.2.2.3** The user following request gets accepted
- **1.4.5 Locations**
  - **1.4.5.1** The system shall provide filtering location posts based on their time information to users.

2. Nonfunctional Requirements

- **2.1 Portability**
  - **2.1.1** The system shall have an Android application and a web page.
- **2.2 Accessibility**
  - **2.2.1** Language of the Android application and we page shall be English.
- **2.3 Performance**
  - **2.3.1** The system response should be in 3 second.
  - **2.3.2** The system should handle 500 requests per second.
  - **2.3.3** The system's Android application size should be less than 200 MB.
- **2.4 Reliability**
  - **2.4.1** The system shall go down for maintenance once a month.
  - **2.4.2** The maintenance shall not take more than 30 minutes.
  - **2.4.3** Rest of time, downtime should be less than %1 for failures.
- **2.5 Security**
  - **2.5.1** The passwords shall be kept encrypted in database.
  - **2.5.2** The web application shall only be accessed by HTTPS protocol.
- **2.6 Legal and Ethical Issues**
  - **2.6.1** Any data collected from users shall be used according toKVKK and GDPR.
  - **2.6.2** New users shall accept "Terms of Use" and "Privacy Policy".
- **2.7 Implementation**
  - **2.7.1** The system shall use W3C standards and W3C Activity Streams Protocol for subscriptions and notifications.
  - **2.7.2** The tagging system should be supported with Wikidata.org.
- **2.8 Robustness**
  - **2.8.1** System should restart the application in 45 minutes after failure.
  - **2.8.2** Server admins should restart application manually in big failures.
  - **2.8.3** Restart after big failures should take up to 4-5 hours.
  - **2.8.4** Less than %2 of events/features should cause system failure.

Scenarios and Mockups

Guest in Android Scenario

Persona

- Pelinsu Tilki is a third year university student and she studies Computer Engineering.
- She is 23 years old.
- She likes music and dancing especially salsa.
- She liked going clubs with her friends but she could hardly find time for it because of the work load of the courses.

Story

- Pelinsu is a computer engineering student at Bogazici University.
- Due to the pandemic, she generally stays home with her family in İzmir.
- She can not stay in İstanbul for long since she does not have a accomodation place.

- She misses her friends and school too much.
- She wants to feel like she is in South Campus by reading some recent stories taking place in South Campus.

Preconditions

- She is not a currently registered user of the application.

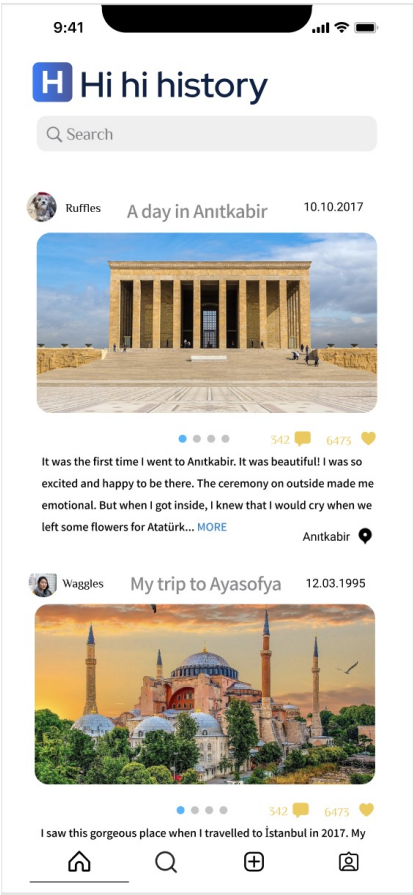
Goals

- She wants to do a search to see the posts taking place in Albert Long Hall.
- She wants to read a recent story about Albert Long Hall.
- She wants to see photos of Albert Long Hall since she misses her school in the pandemic.

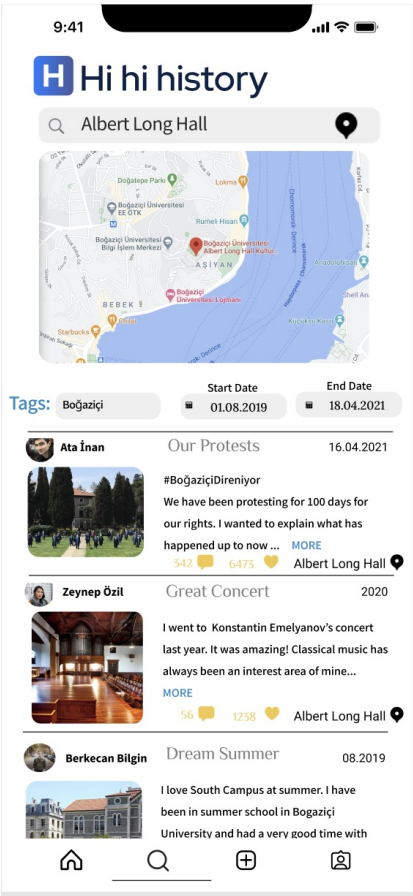
Acceptance Criteria

- **1.2.1** Guests shall be able to create a new account by choosing a password (email confirmation) and providing email, username (name, location, birthday optionally).
- **1.2.2** Guests shall be able to login to the system by entering username and password if they already have an account.
- **1.2.3** Guests shall be able to search and view locations, shall not be able to search or view users.

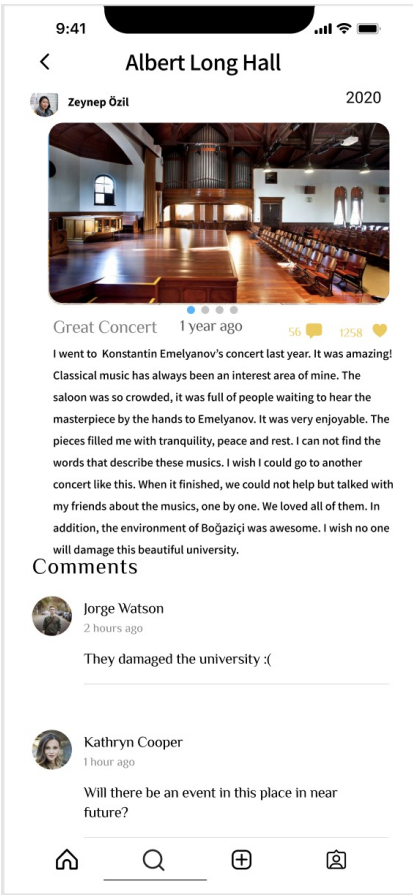
Scenario

- 

1. She enters the application without registering.
2. She comes to the main page.
3. She sees a search bar at the top.\

- 

4. She clicks to the search bar.
5. She writes “Albert Long Hall”.
6. She clicks the search button.\

- 

7. She specifies a tag named "Boğaziçi".
8. She sees posts about “Albert Long Hall” in Boğaziçi in chronological order.

9. She chooses a post to see it in more detail.\
10. She scrolls through the photos in the post.
11. She tries to write a comment to that however a screen appears, which requires her to sign in to application.

Guest in Web Scenario

Persona

- Pelinsu Tilki is a third year university student and she studies Computer Engineering.
- She is 23 years old.
- She likes music and dancing especially salsa.
- She liked going clubs with her friends but she could hardly find time for it because of the work load of the courses.

Story

- Pelinsu is a computer engineering student at Bogazici University.
- Due to the pandemic, she generally stays home with her family in İzmir.
- She can not stay in İstanbul for long since she does not have a accomodation place.
- She misses her friends and school too much.
- She wants to feel like she is in South Campus by reading some recent stories taking place in South Campus.

Preconditions

- She is not a currently registered user of the application.

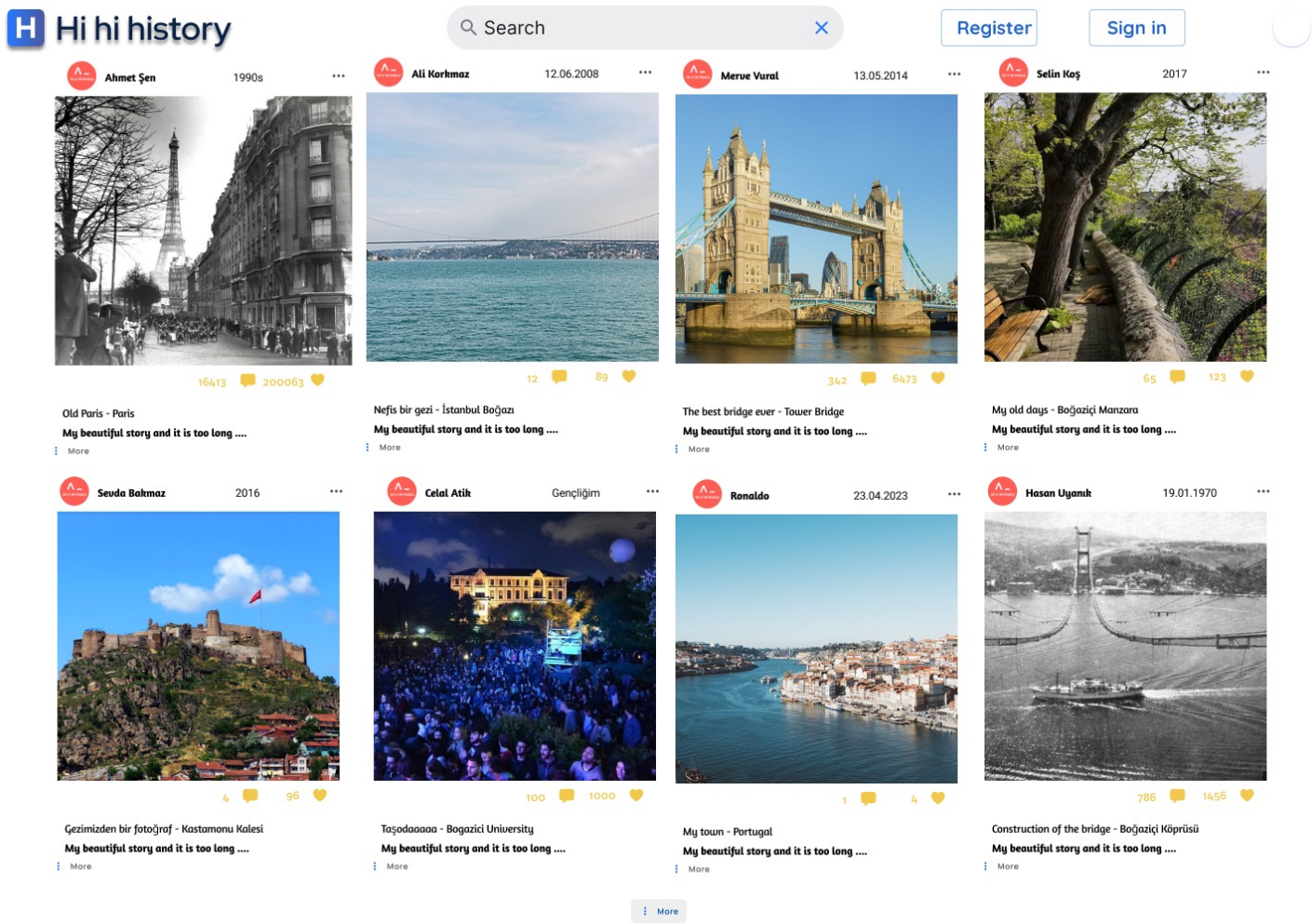
Goals

- She wants to do a search to see the posts taking place in Boğaziçi Manzara.
- She wants to read a recent story about Boğaziçi Manzara.
- She wants to see photos of Boğaziçi Manzara since she misses her school in the pandemic.

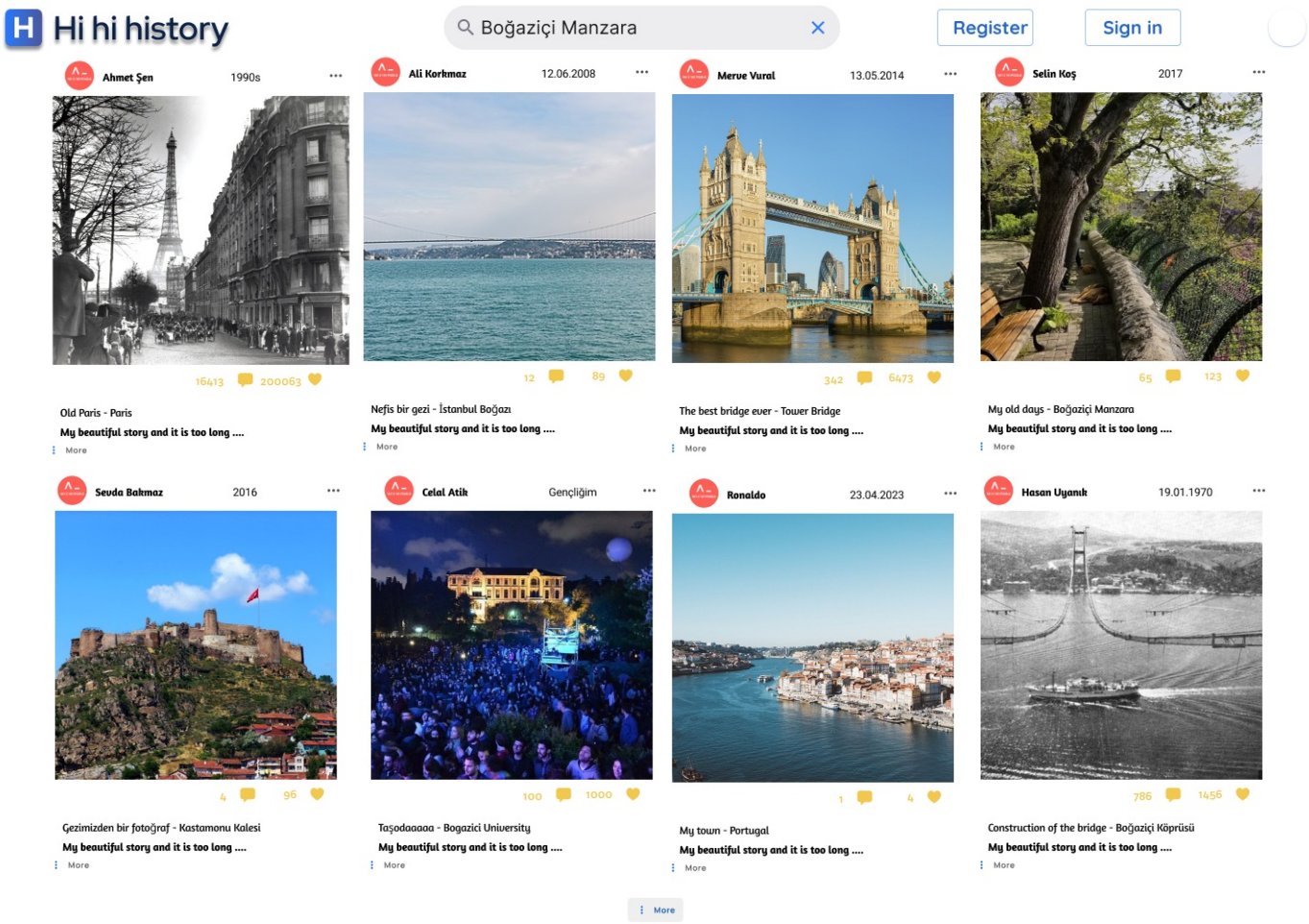
Acceptance Criteria

- **1.2.1** Guests shall be able to create a new account by choosing a password (email confirmation) and providing email, username (name, location, birthday optionally).
- **1.2.2** Guests shall be able to login to the system by entering username and password if they already have an account.
- **1.2.3** Guests shall be able to search and view locations, shall not be able to search or view users.

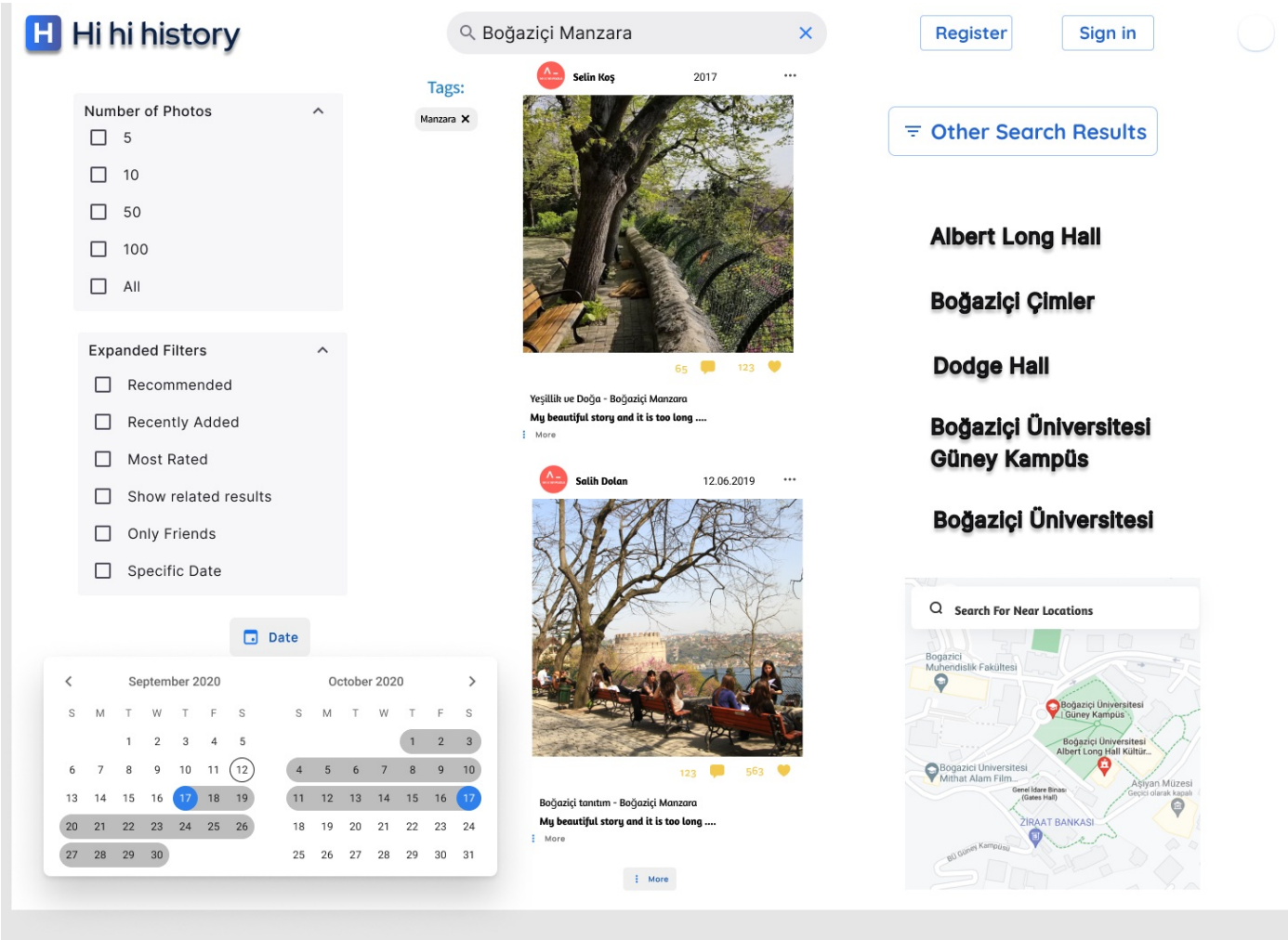
Scenario



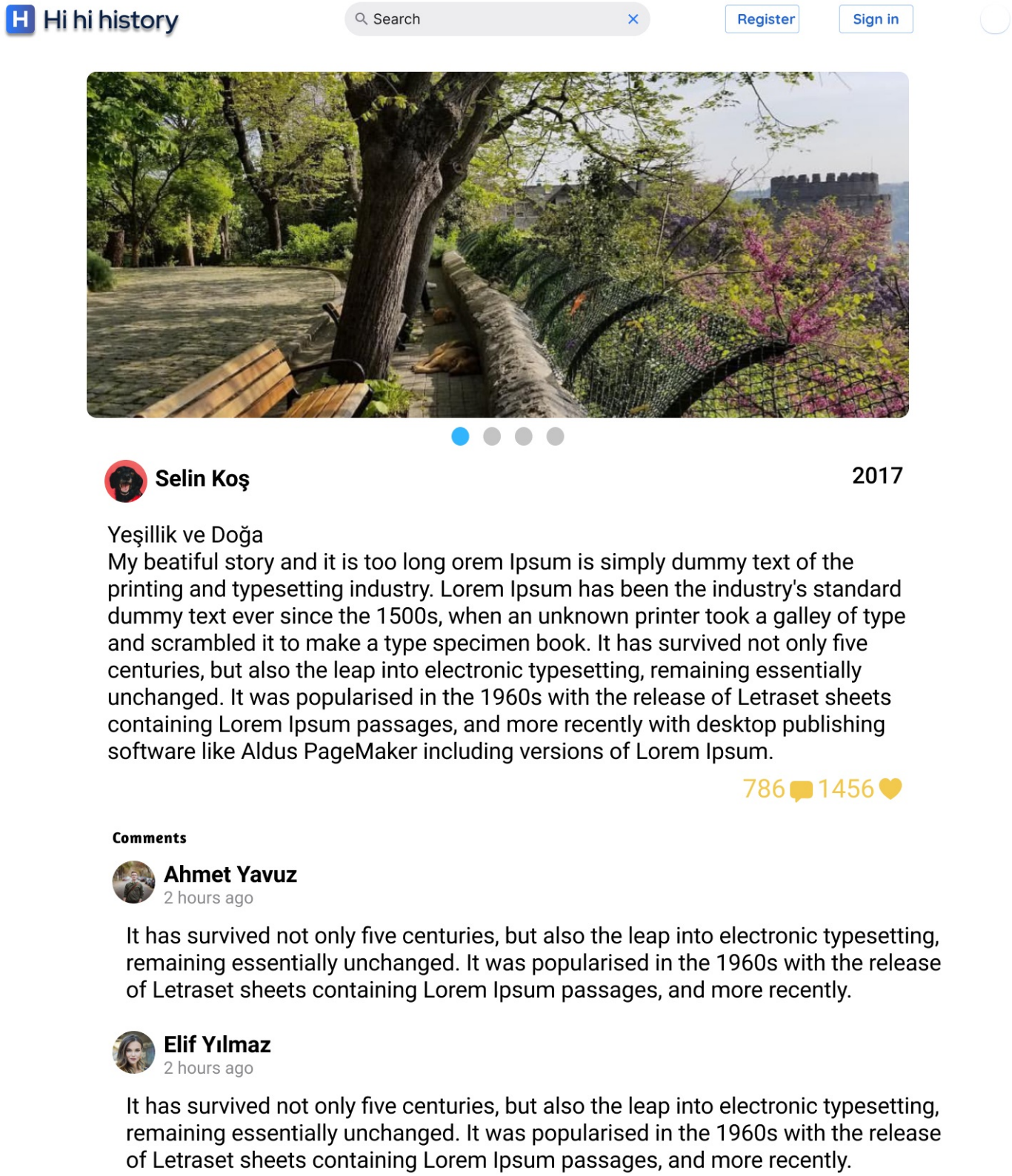
1. She enters the application without registering.
2. She comes to the main page.
3. She sees a “Sign Up” option at the center and a search bar at the top.



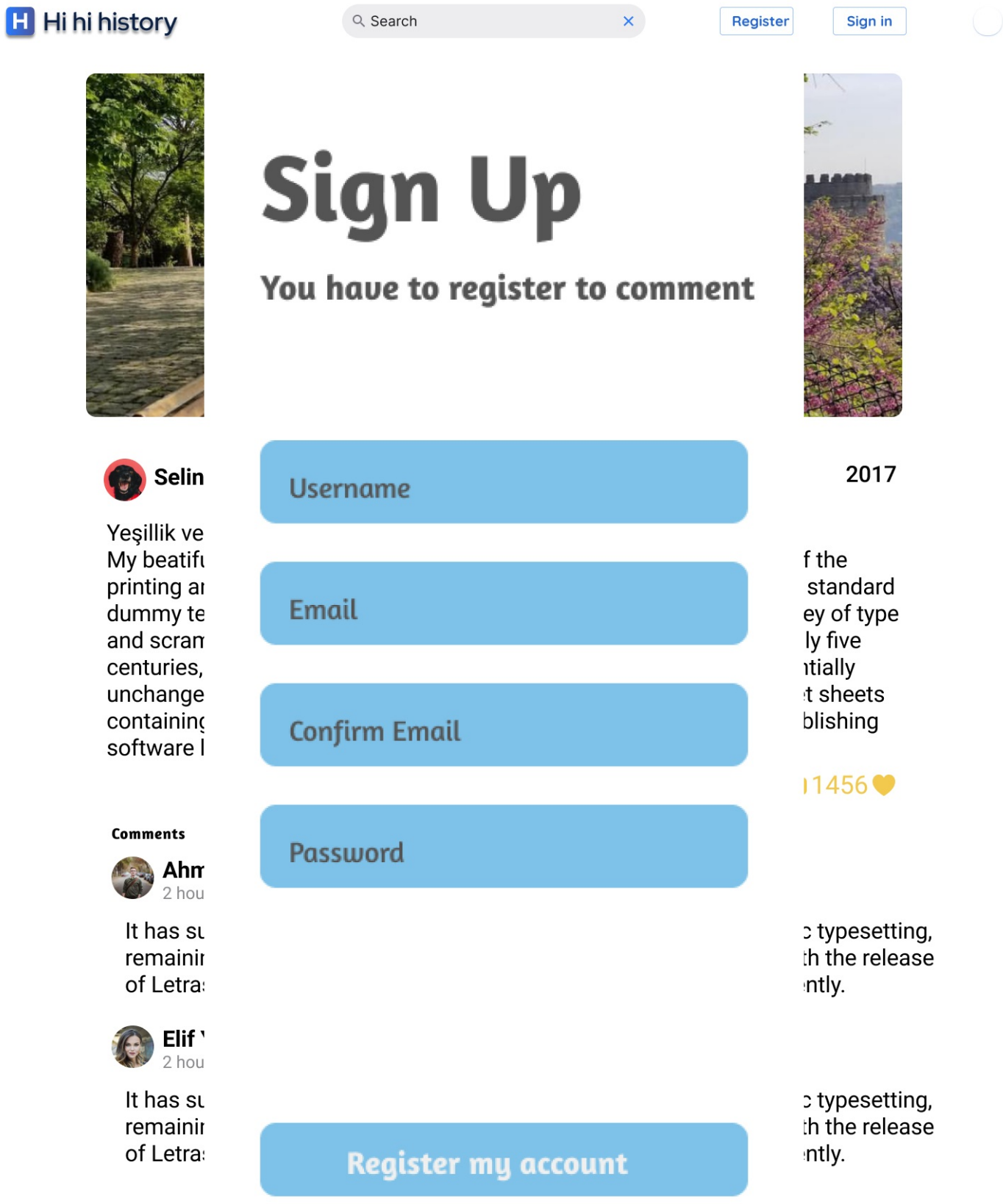
4. She clicks to the search bar.
5. She writes “Boğaziçi Manzara”.



6. She clicks the search button.
7. From the search results, she selects the first option which corresponds to “Boğaziçi Manzara” in Boğaziçi University.



8. She sees posts about “Boğaziçi Manzara” in chronological order.
9. She chooses a post to see it in more detail.
10. She scrolls through the photos in the post.



11. She tries to write a comment to that however a screen appears, which requires her to sign in to application.

User Scenarios

Persona

- Salih YILMAZ is a railroad officer.
- He is 55 years old.
- He lives in Ankara now.
- He knows Turkish, English and a little German.
- He has travelled lots of cities because of his job and saved many memories from different cities.
- He sees these memories as his heritage, feels responsible to share them with more people.
- He likes to travel and tell stories to other people. Especially he likes to talk about railway stations.

Scenarios

- **User In Android Scenario**
  - **User Sharing & Editing Scenario**
  - **User Searching, Filtering & Interaction Scenario**
  - **User Recommendation Scenario**
- **User In Web Scenario**
  - **User Sharing & Editing Scenario**
  - **User Searching, Filtering & Interaction Scenario**
  - **User Recommendation Scenario**

User Story Sharing & Editing Scenario (Android)

User

- Salih YILMAZ

Story

Salih will be retired in a few years. Lately he has become nostalgic by thinking all the years that he worked as a railroad officer. He remembers a close friend of his who runned a restaurant in Konya Train Station, also where he worked for 5 years in 90's. He wants to tell his friend's contribution to the Konya Train Station to other people.

Precondition

- He is already logged in to the application.
- He posted some stories and photos before.
- He is following other users.

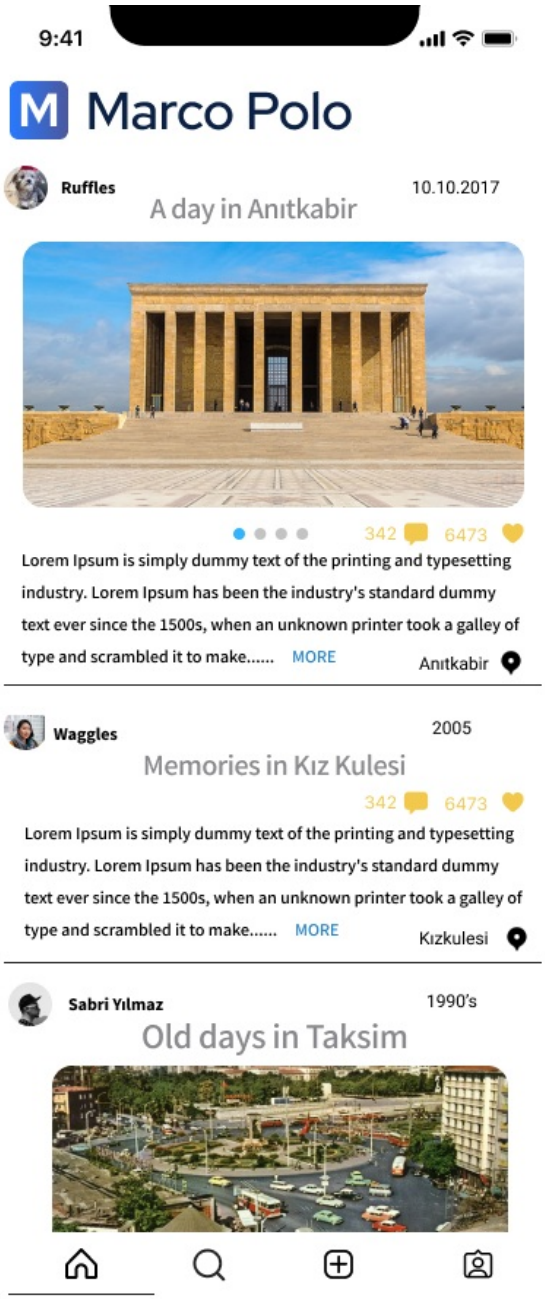
Goals

- He wants to share a story and photo from the 90's about Konya station.
- He wants to edit the post that he shared to add new information or to fix typos.

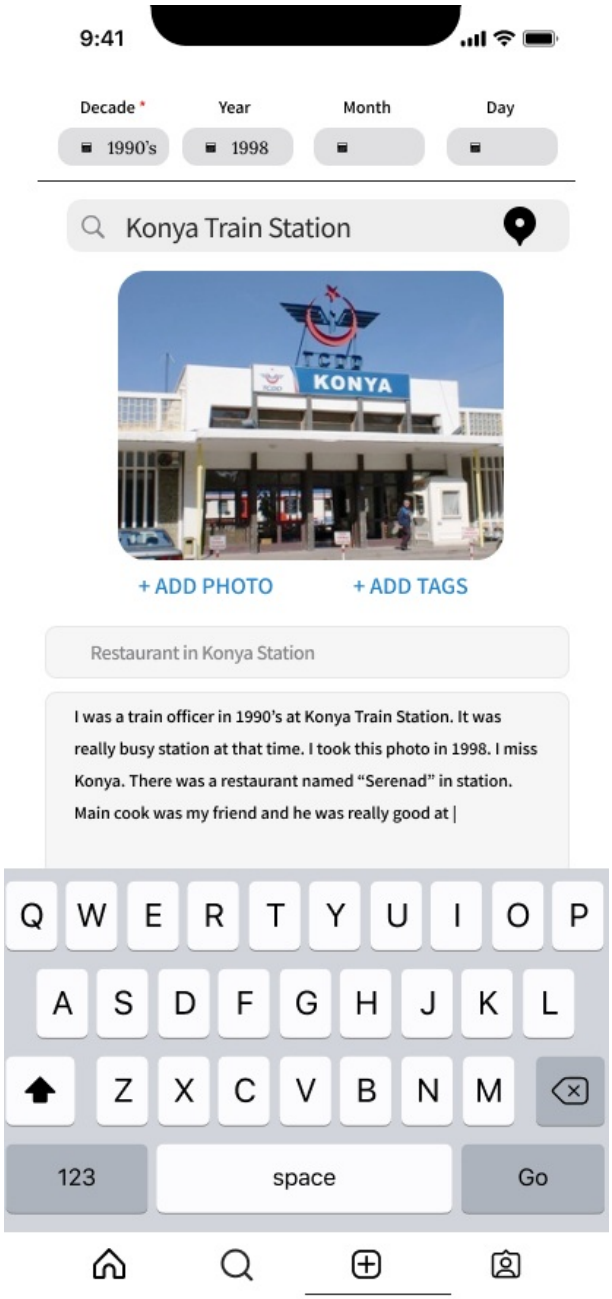
Acceptance Criteria

- **1.1.1.4** Users shall be able to view the posts that they posted.
- **1.1.2.1** Users shall be able to create posts with a photo or video.
- **1.1.2.2** Users shall be able to add tags and stories to their posts.
- **1.1.2.3** Users shall be able to specify time in their posts to declare when the photo or video in the post is filmed.
- **1.1.2.4** Users shall be able to edit and delete their own posts.

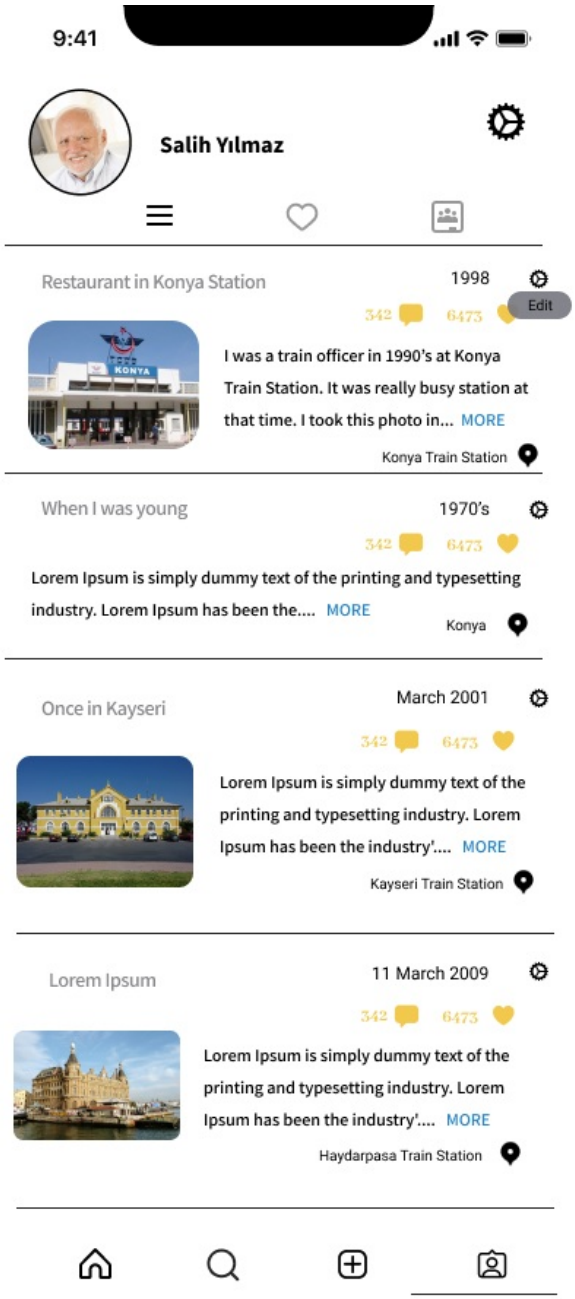
Scenario



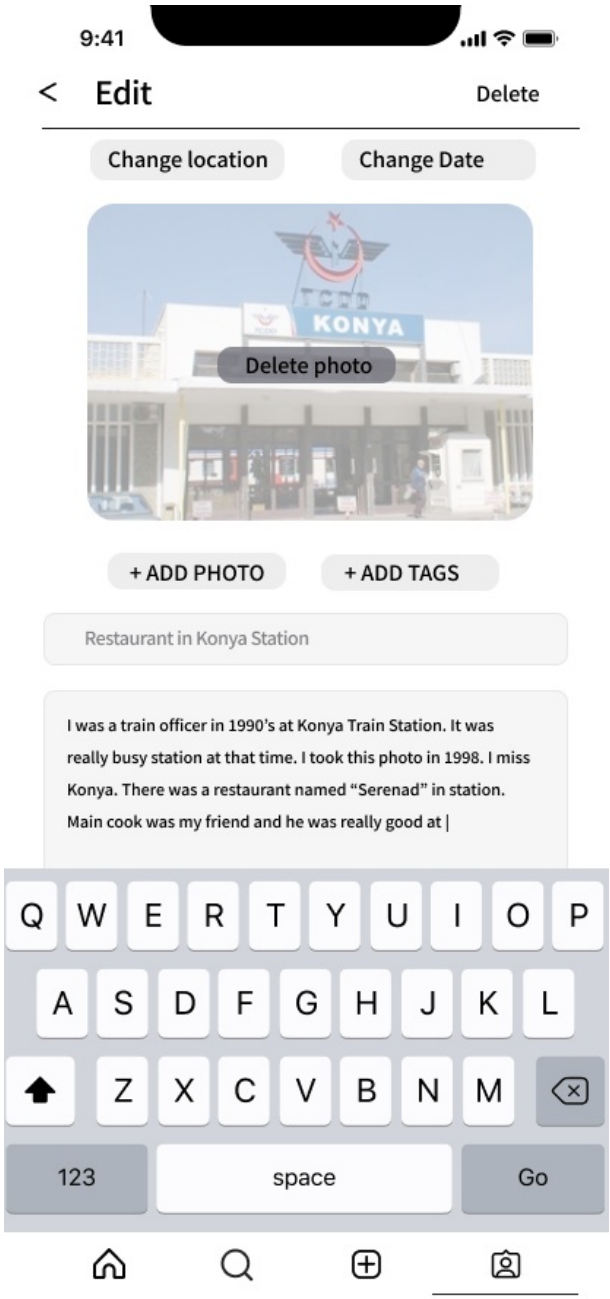
-
  1. He is already logged in.
  2. He is at the main page.
  3. He sees the recent posts about the people and places he followed.

- 

4. He clicks to share a new post button.
5. He writes a new story about the Konya Train Station.
6. He adds a photo, date, location and tags describing the story.
7. Then he posts the story.

- 

8. He remembers an additional info about the story that he posted about Konya Train Station.
9. He goes to his profile page.
10. He selects the edit button on the post about Konya Train Station.



- **11.** He adds additional information that he remembered.
12. He saves the post.

User Searching, Filtering & Interaction Scenario (Android)

User

- Salih YILMAZ

Story

Salih has met with his close friend recently. While talking about interesting things that they witnessed, his friend mentioned a cat he saw in Haydarpasa Train Station in his last visit to Istanbul. Salih wants to learn this cat's story in Haydarpasa Train Station.

Precondition

- He is already logged in to the application.
- He posted some stories and photos before.
- He is following other users.

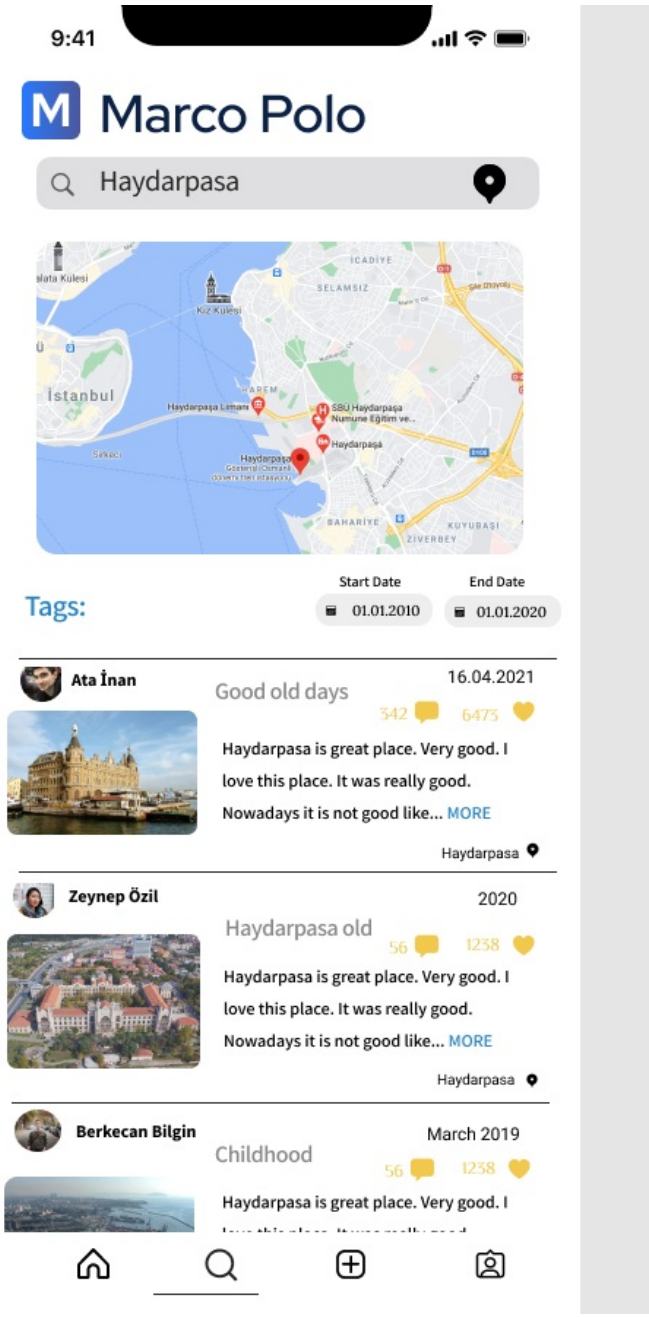
Goals

- He wants to search for cat stories of Haydarpasa Train Station at 2010's and view top stories.
- He wants to contribute a story by commenting and liking.

Acceptance Criteria

- **1.1.3.12** Users should be able to see the liked posts and comments of other users that they follow or users that have public profile
- **1.1.4.1** Users shall be able search locations by their name.
- **1.1.4.2** Users shall be able to do semantic search by using tags.
- **1.1.4.3** Users shall be able to filter the posts that were shared from a location by time.

Scenario



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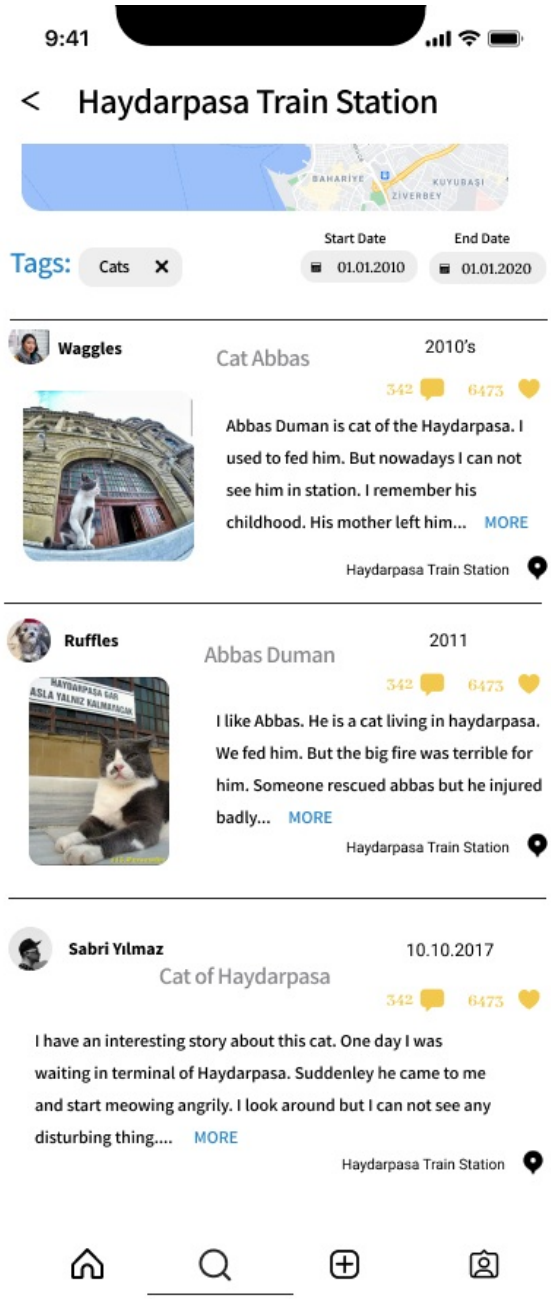
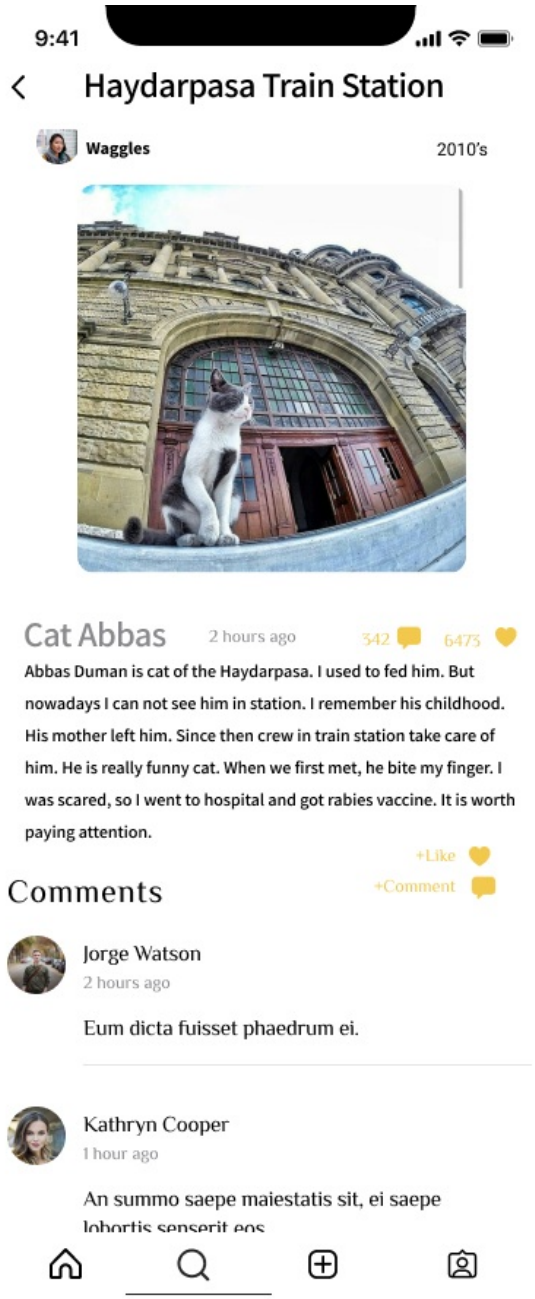
1. He is already logged in.
2. He goes to the search page.
3. He searches about Haydarpaşa.



- **4.** He searches about Haydarpaşa train station to read about the stories of the past.
- **5.** He filters the posts to the 2010's and filters the tags to cats.



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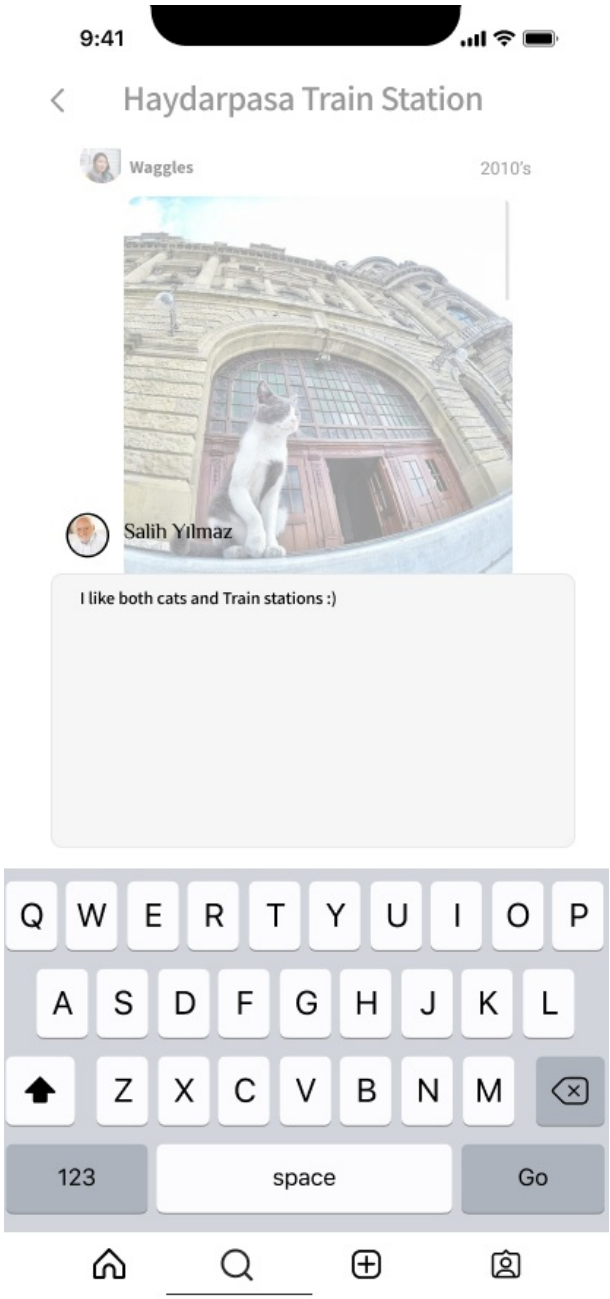
6. He sees the top liked posts from the 2010's which are about cats in Haydarpaşa Train Station.
7. He selects the top liked post about a cat named "Cat Abbas".
8. He likes the story.



- **9.** He comments on the story.

User Recommendation Scenario (Android)

User

- Salih YILMAZ

Story

Salih has worked in train stations for about 30 years and he has a lots of memories from these places. He is quite curious about other stations' stories all around the world and memories that people saved in those stations.

Precondition

- He is already logged in to the application.
- He posted some stories and photos before.
- He is following other users.

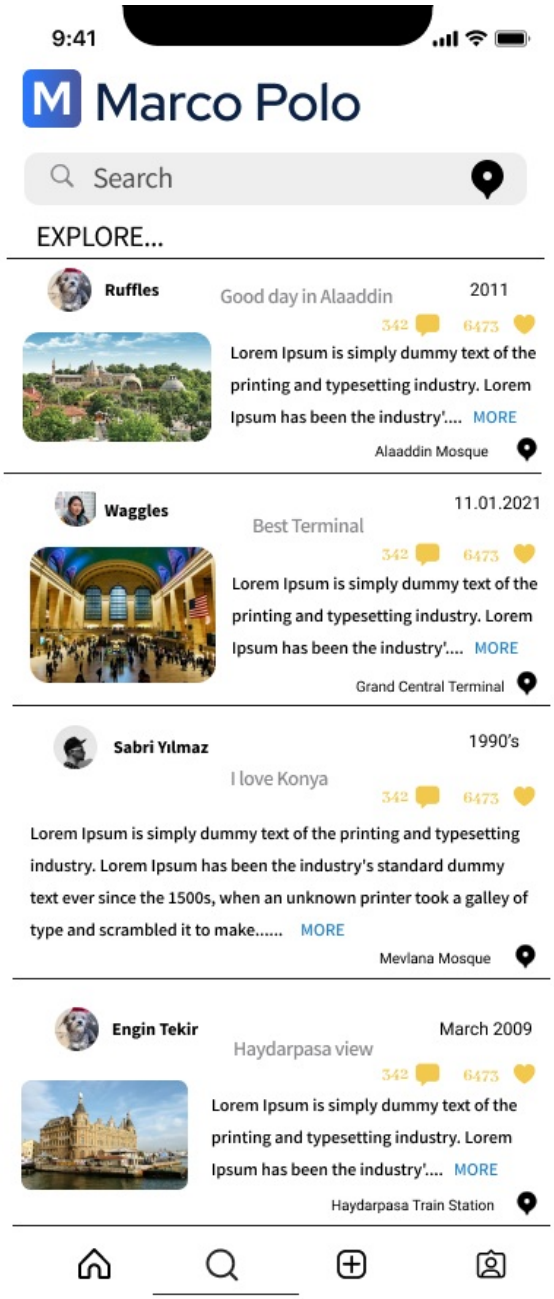
Goals

- He wants to see recommended places to explore the stories about these places which are recommended by his interest.

Acceptance Criteria

- **1.1.5.1** Users shall be able to view recommended locations based on their system activity and current location.

Scenario



-

1. He goes to the search page to see recommended places.
2. He sees recommended posts based on his interest.(Haydarpaşa Tren İstasyonu, Grand Central Terminal, or Konya...)
3. He sees a post about Grand Central Terminal.
4. He likes the post.

User Story Sharing & Editing Scenario (Web)

User

- Salih YILMAZ

Story

Salih will be retired in a few years. Lately he has become nostalgic by thinking all the years that he worked as a railroad officer. He remembers a close friend of his who runned a restaurant in Konya Train Station, also where he worked for 5 years in 90's. He wants to tell his friend's contribution to the Konya Train Station to other people.

Precondition

- He is already logged in to the application.
- He posted some stories and photos before.
- He is following other users.

Goals

- He wants to share a story and photo from the 90's about Konya station.
- He wants to edit the post that he shared to add new information or to fix typos.

Acceptance Criteria

- **1.1.1.4** Users shall be able to view the posts that they posted.
- **1.1.2.1** Users shall be able to create posts with a photo or video.
- **1.1.2.2** Users shall be able to add tags and stories to their posts.
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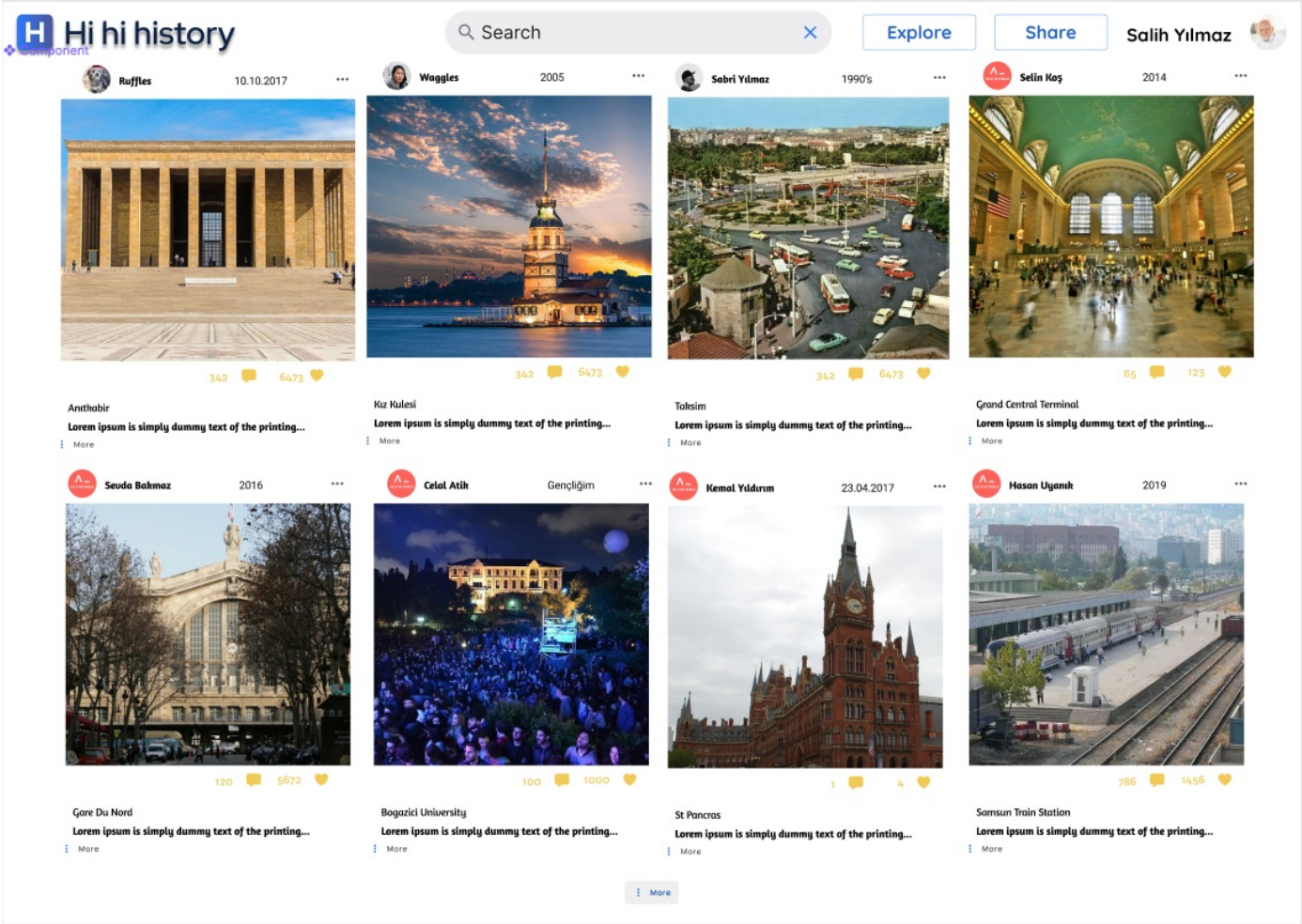
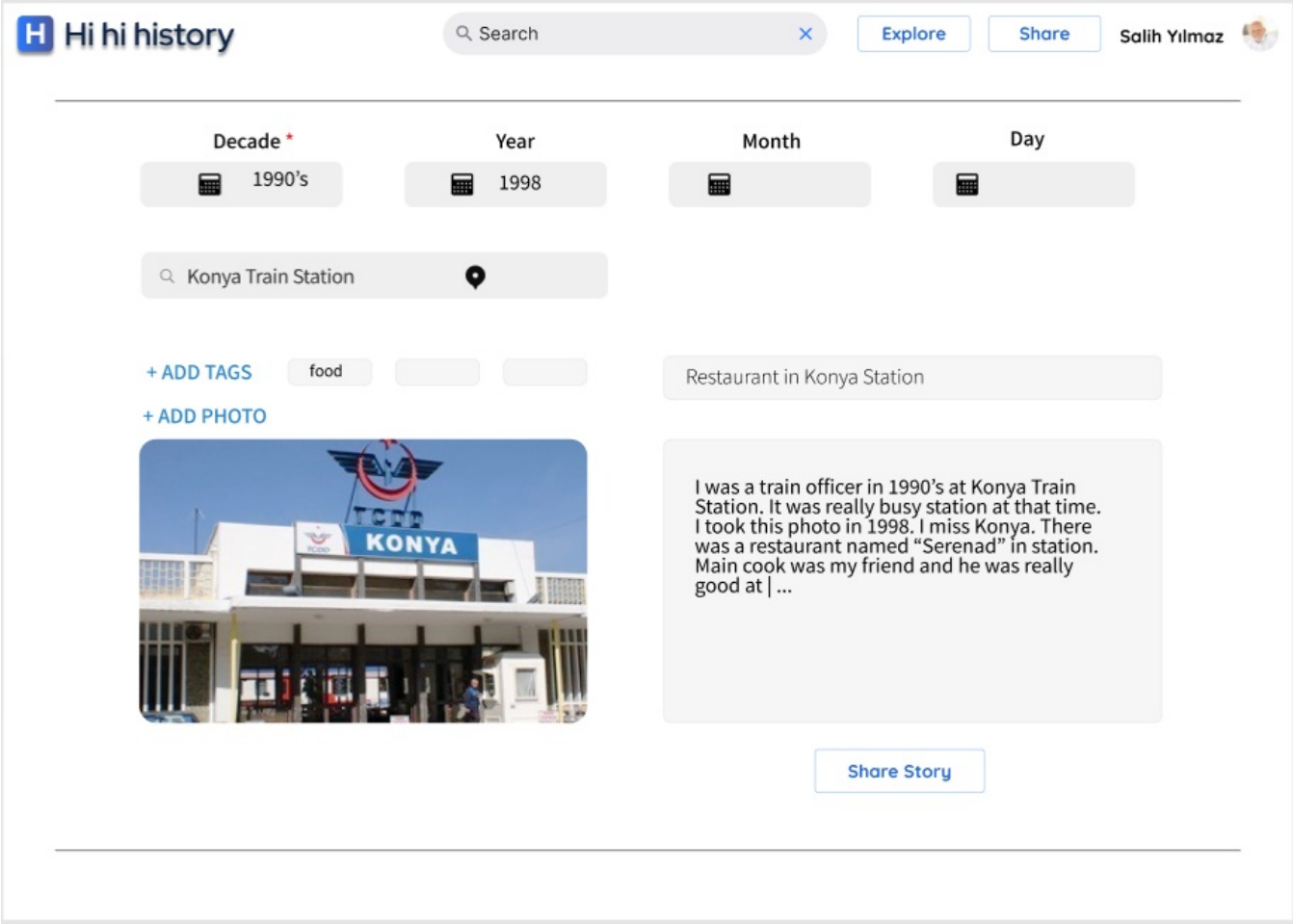
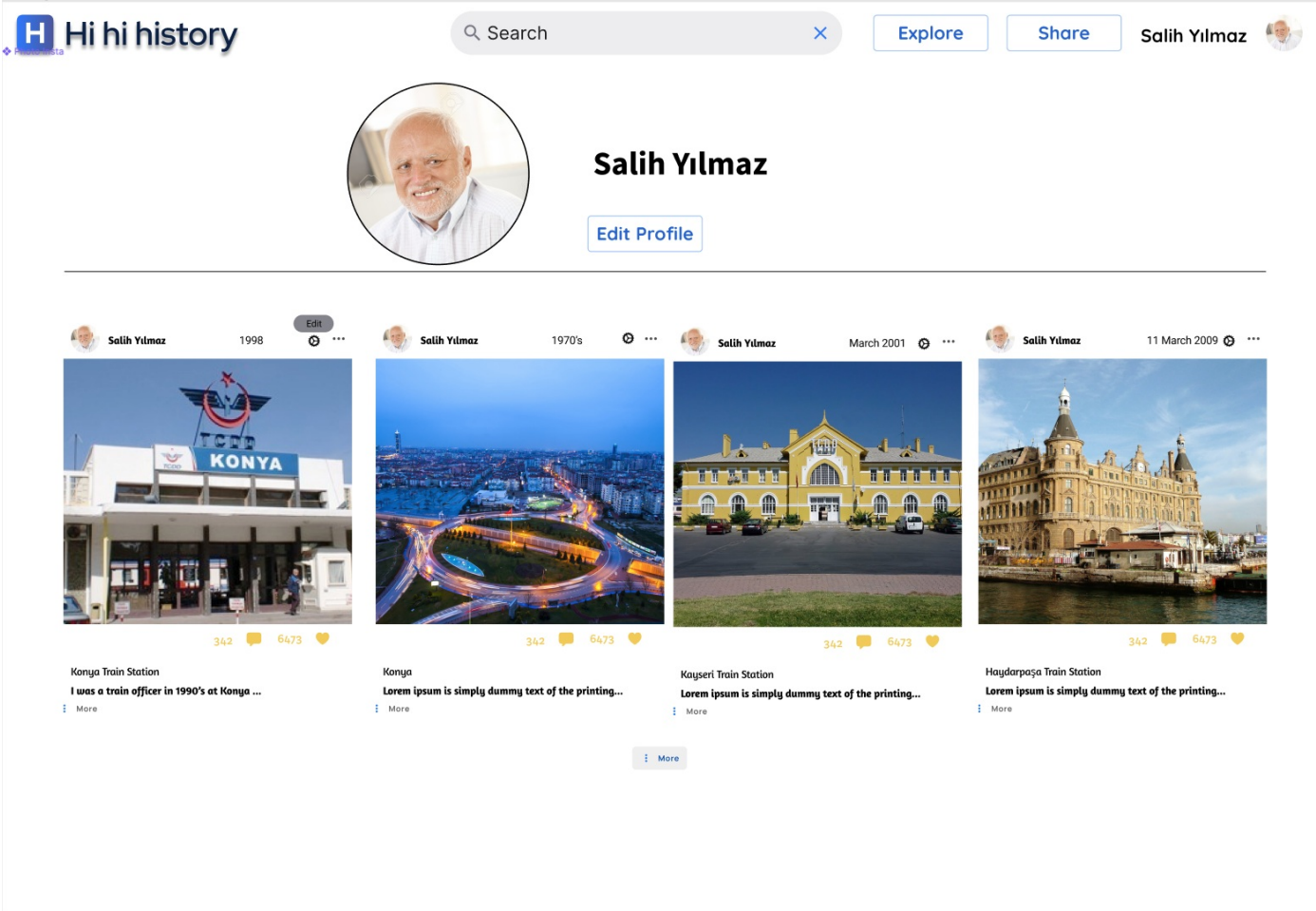
Scenario

- 

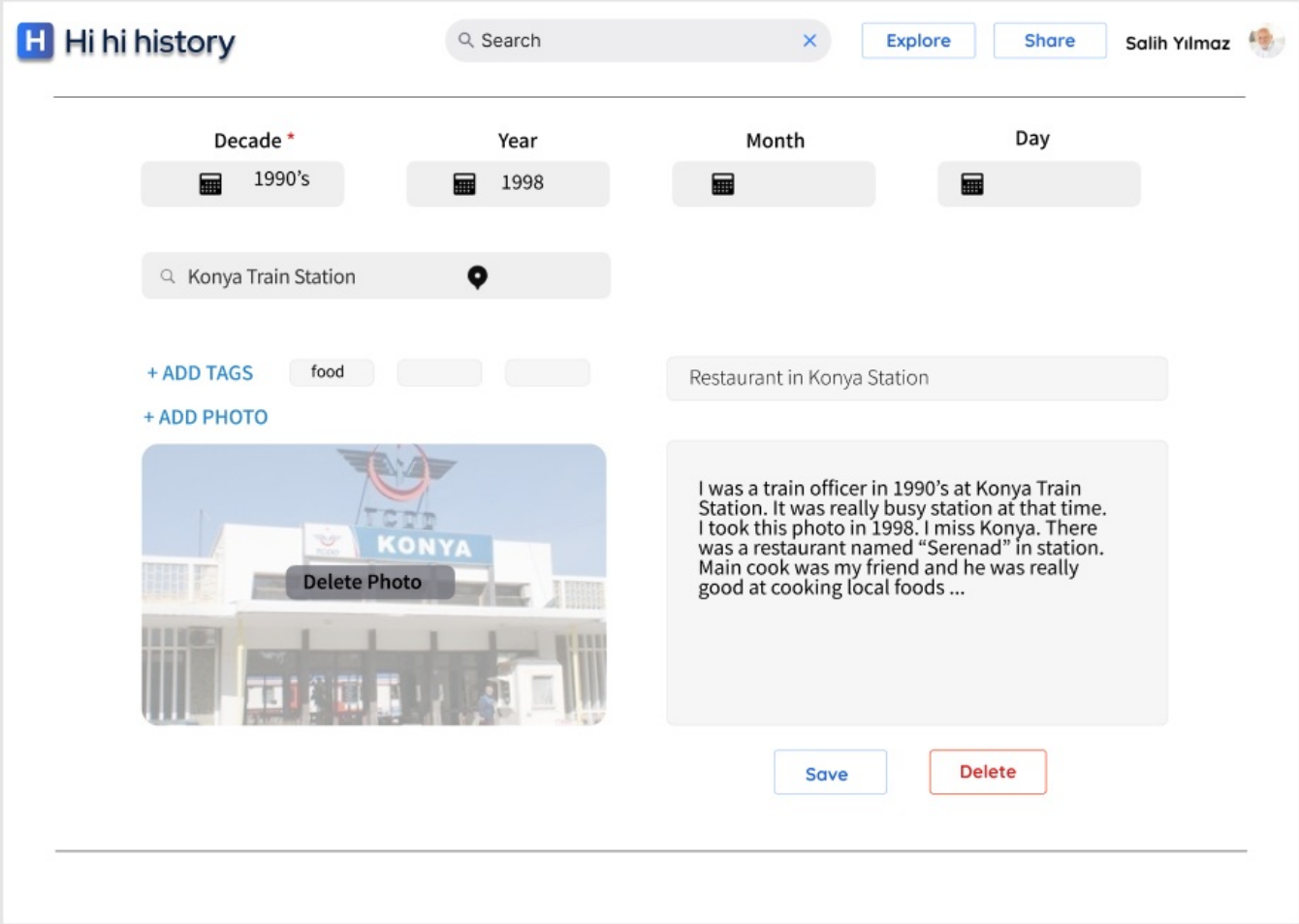
1. He is already logged in.
2. He is at the main page.
3. He sees the recent posts about the people and places he followed.

- 

4. He clicks to share a new post button.
5. He writes a new story about the Konya Train Station.
6. He adds a photo, date, location and tags describing the story.
7. Then he posts the story.

- 

8. He remembers an additional info about the story that he posted about Konya Train Station.
9. He goes to his profile page.
10. He selects the edit button on the post about Konya Train Station.

- 

11. He adds additional information that he remembered.
12. He saves the post.

User Searching, Filtering & Interaction Scenario (Web)

User

- Salih YILMAZ

Story

Salih has met with his close friend recently. While talking about interesting things that they witnessed, his friend mentioned a cat he saw in Haydarpasa Train Station in his last visit to Istanbul. Salih wants to learn this cat's story in Haydarpasa Train Station.

Precondition

- He is already logged in to the application.
- He posted some stories and photos before.
- He is following other users.

Goals

- He wants to search for cat stories of Haydarpasa Train Station at 2010's and view top stories.
- He wants to contribute a story by commenting and liking.

Acceptance Criteria

- **1.1.3.12** Users should be able to see the liked posts and comments of other users that they follow or users that have public profile
- **1.1.4.1** Users shall be able search locations by their name.
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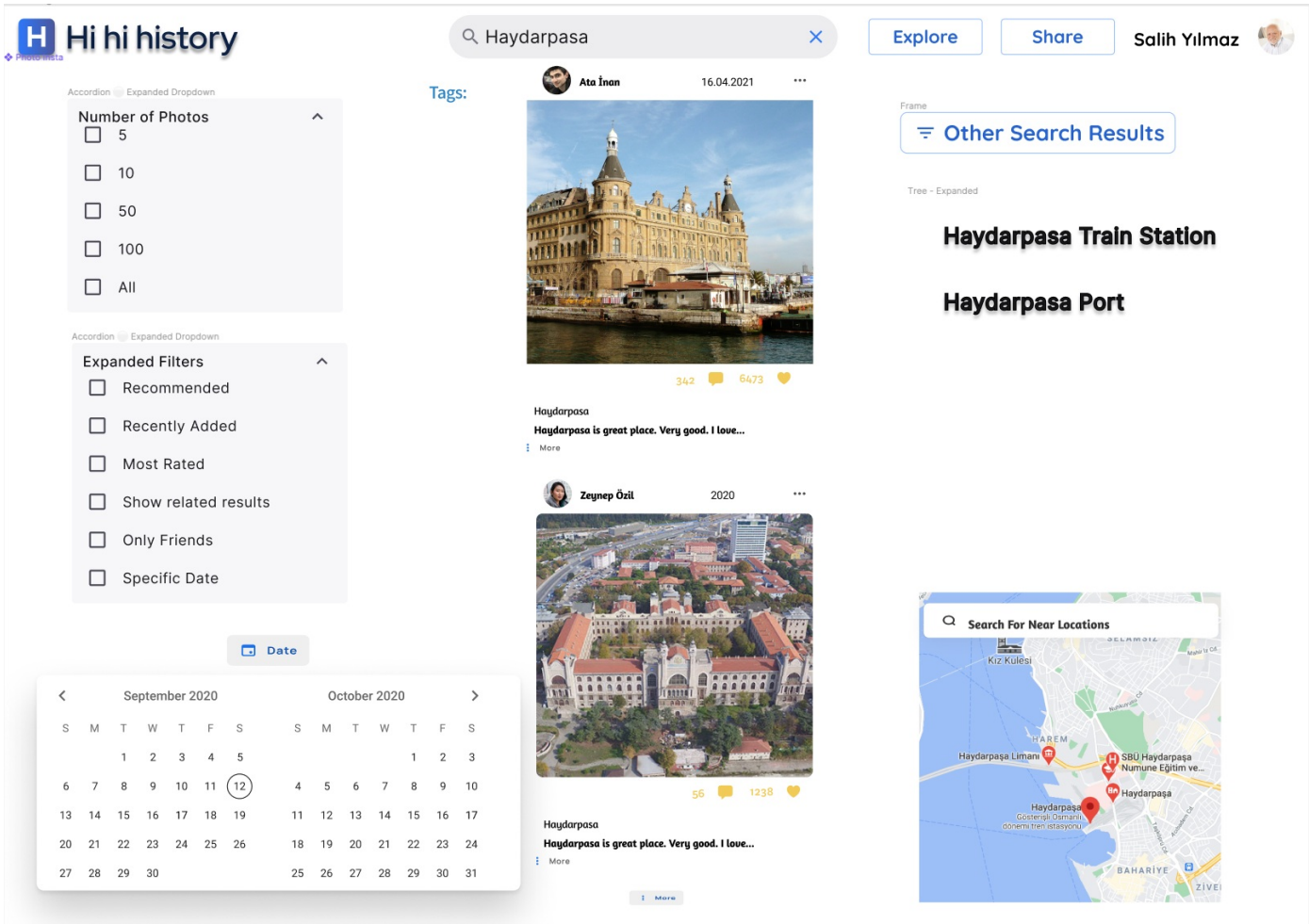
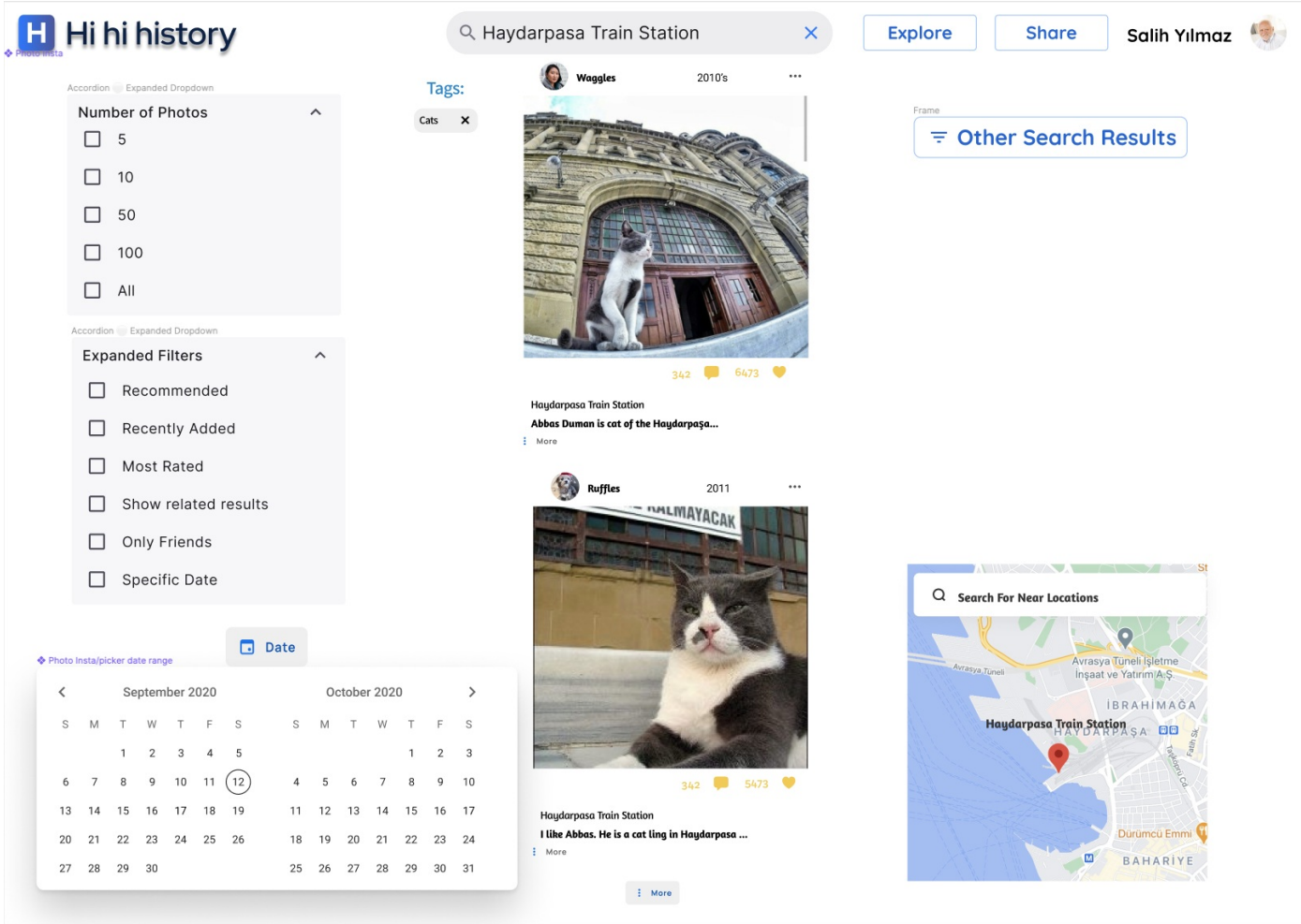
- **1.1.4.3** Users shall be able to filter the posts that were shared from a location by time.

Scenario



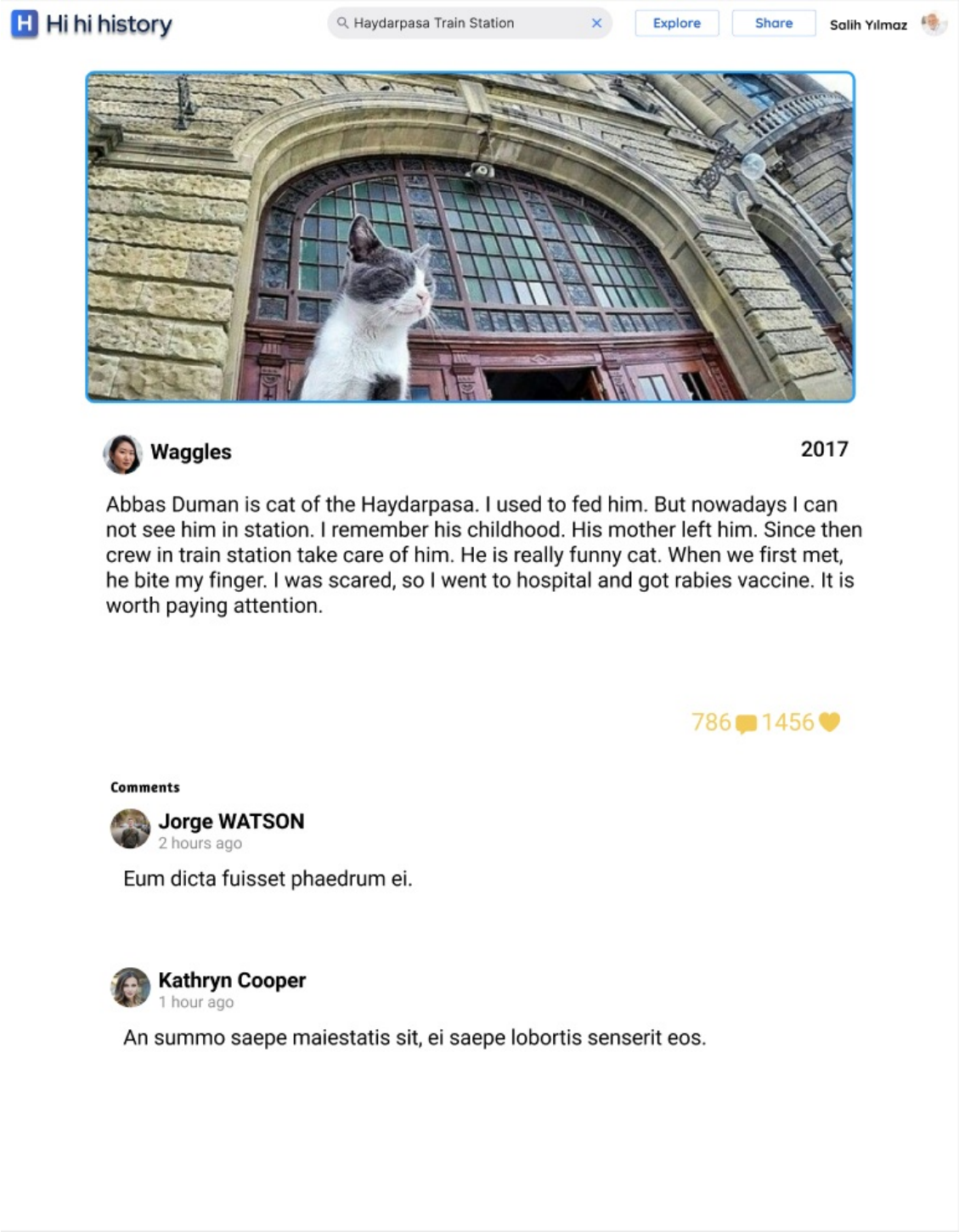
1. He is already logged in.
2. He goes to the search page.

3. He searches about Haydarpaşa.



4. He searches about Haydarpaşa train station to read about the stories of the past.

5. He filters the posts to the 2010's and filters the tags to cats.



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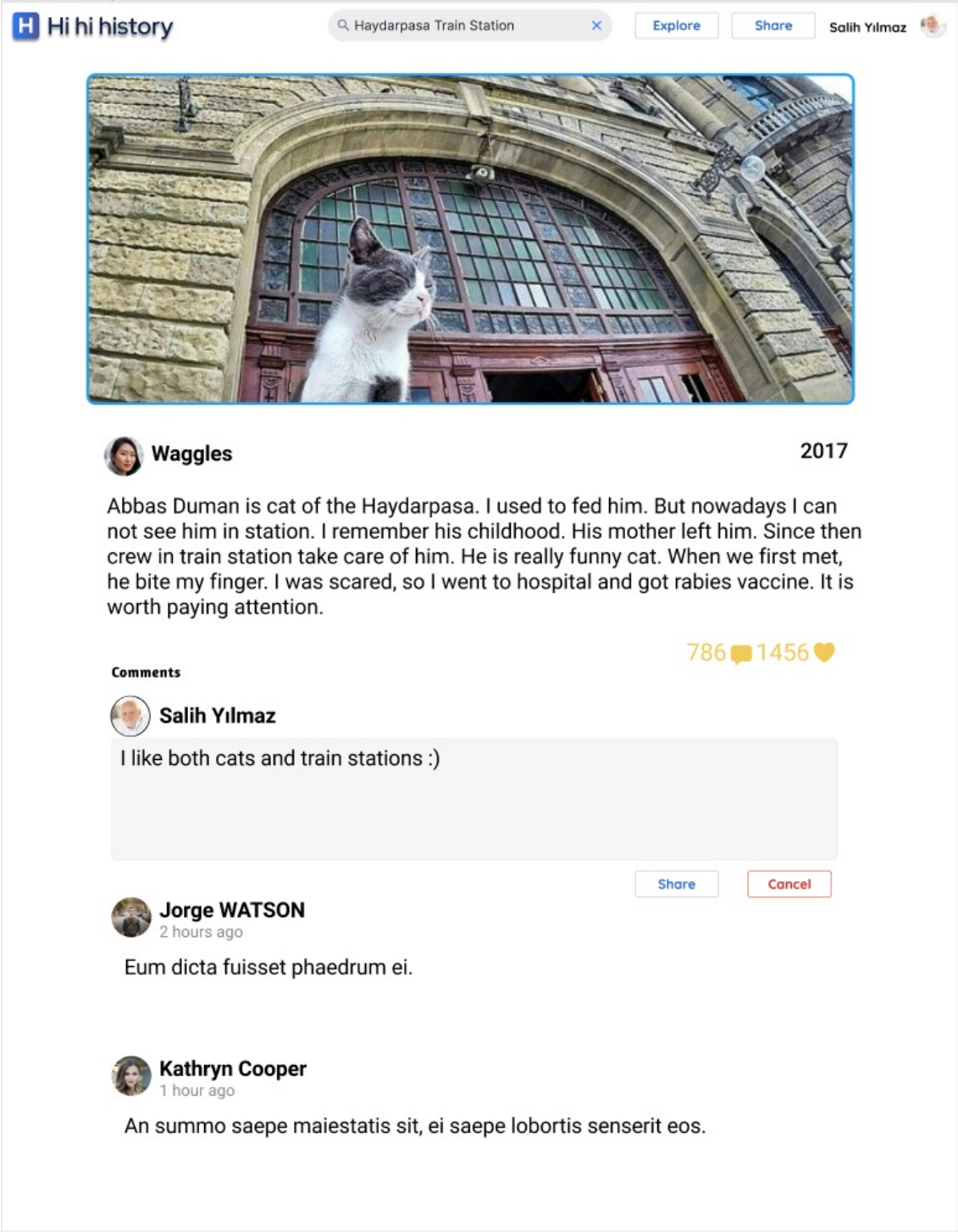


9. He comments on the story.

User Recommendation Scenario (Web)

User

- Salih YILMAZ

Story

Salih has worked in train stations for about 30 years and he has a lots of memories from these places. He is quite curious about other stations' stories all around the world and memories that people saved in those stations.

Precondition

- He is already logged in to the application.
- He posted some stories and photos before.
- He is following other users.

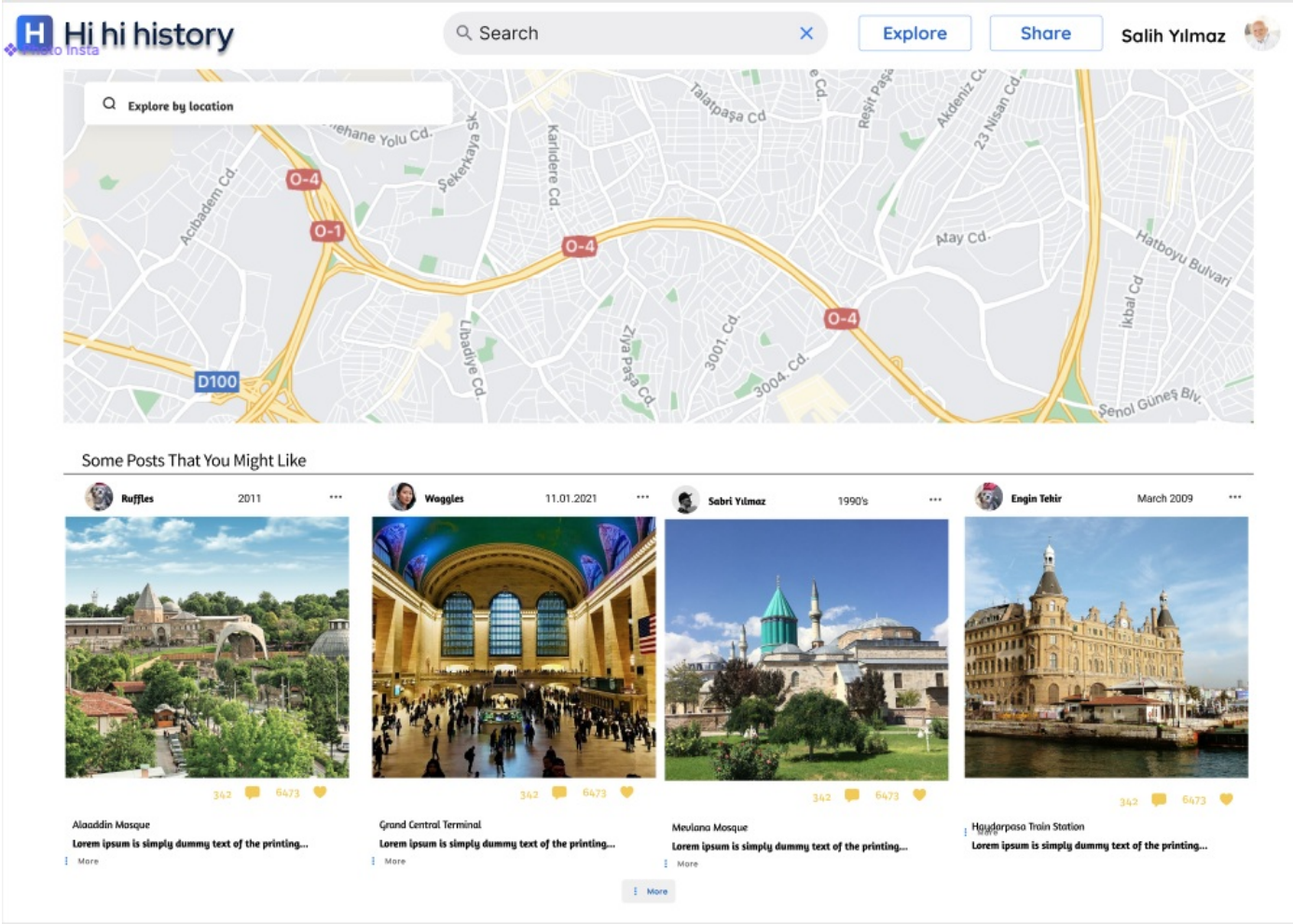
Goals

- He wants to see recommended places to explore the stories about these places which are recommended by his interest.

Acceptance Criteria

- **1.1.5.1** Users shall be able to view recommended locations based on their system activity and current location.

Scenario

- 

  1. He goes to the search page to see recommended places.
  2. He sees recommended railroad stations.(Haydarpaşa Tren İstasyonu, Grand Central Terminal,..)
  3. He sees a post about Grand Central Terminal.
  4. He likes the post.

Admin Scenario

Persona

- Regina Phalange was born in the USA. She is 22 years old. She moved to Turkey after her mom killed herself. She is a senior Computer Engineering Student at Bogazici University.
- She writes a blog about his adventures about the time she was living in the streets . She loves to travel and goes on adventures.
- She is an admin user on the platform. She works in 5-hour periods on working days. She is free to choose her working time. She works four days in a week.

Story

She wants to help people to have a good experience on learning the places' history while she can make some pocket money. She decided to join the "platform" team as an admin user. She is responsible for keeping the platform safe according to Terms of Use agreement. And she needs to check the admin mailbox to see if any user has a problem with the platform.

Precondition

- She is already logged into the system with the account that is authorized as an admin.
- She has been an admin user quite a while.

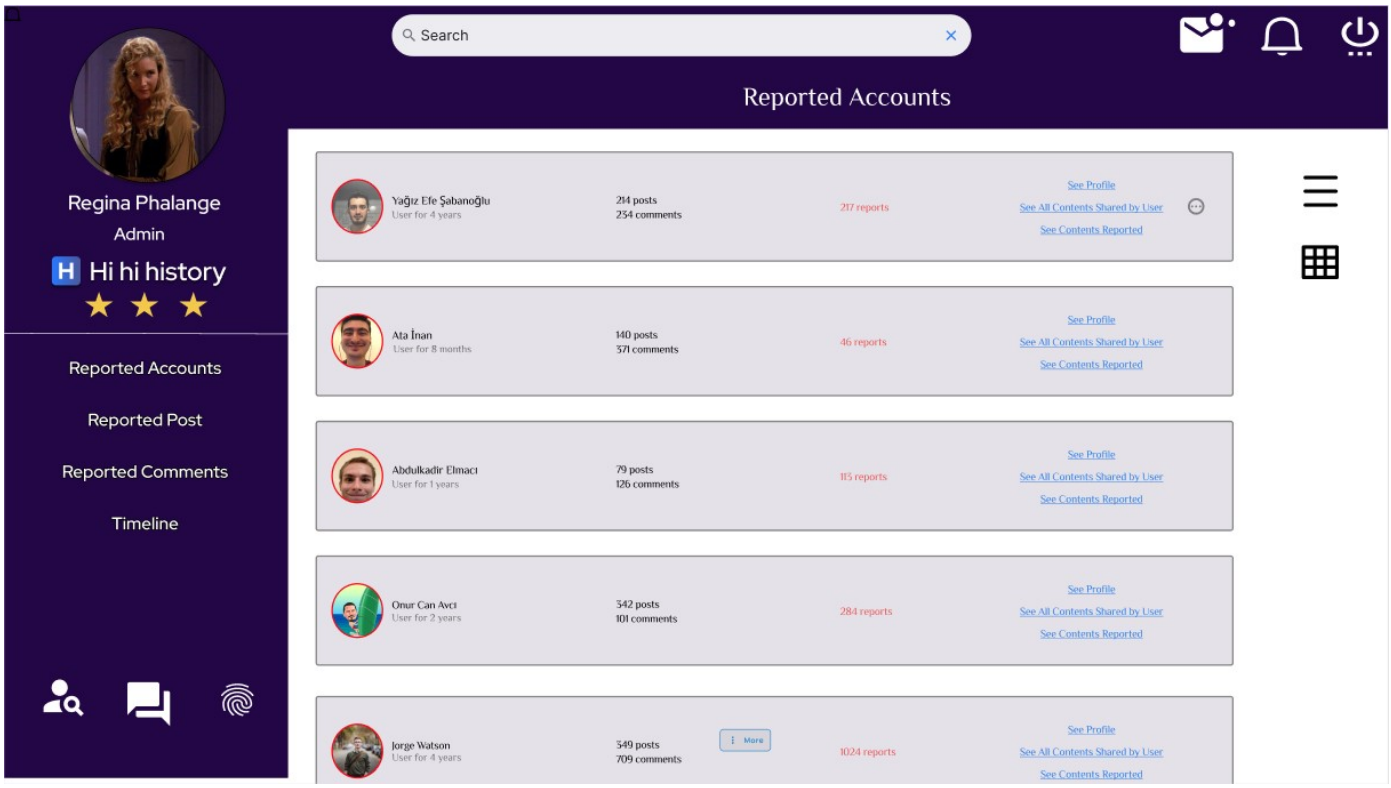
Goals

- She wants to delete unwelcome contents as described in Terms of Use.
- She wants to ban accounts which harm the other user experience on the platform.
- She wants to review the users' questions about the platform via the mailbox.
- She wants to remove the accounts bans if the user has a valid excuse that does not violate the Terms of Use.

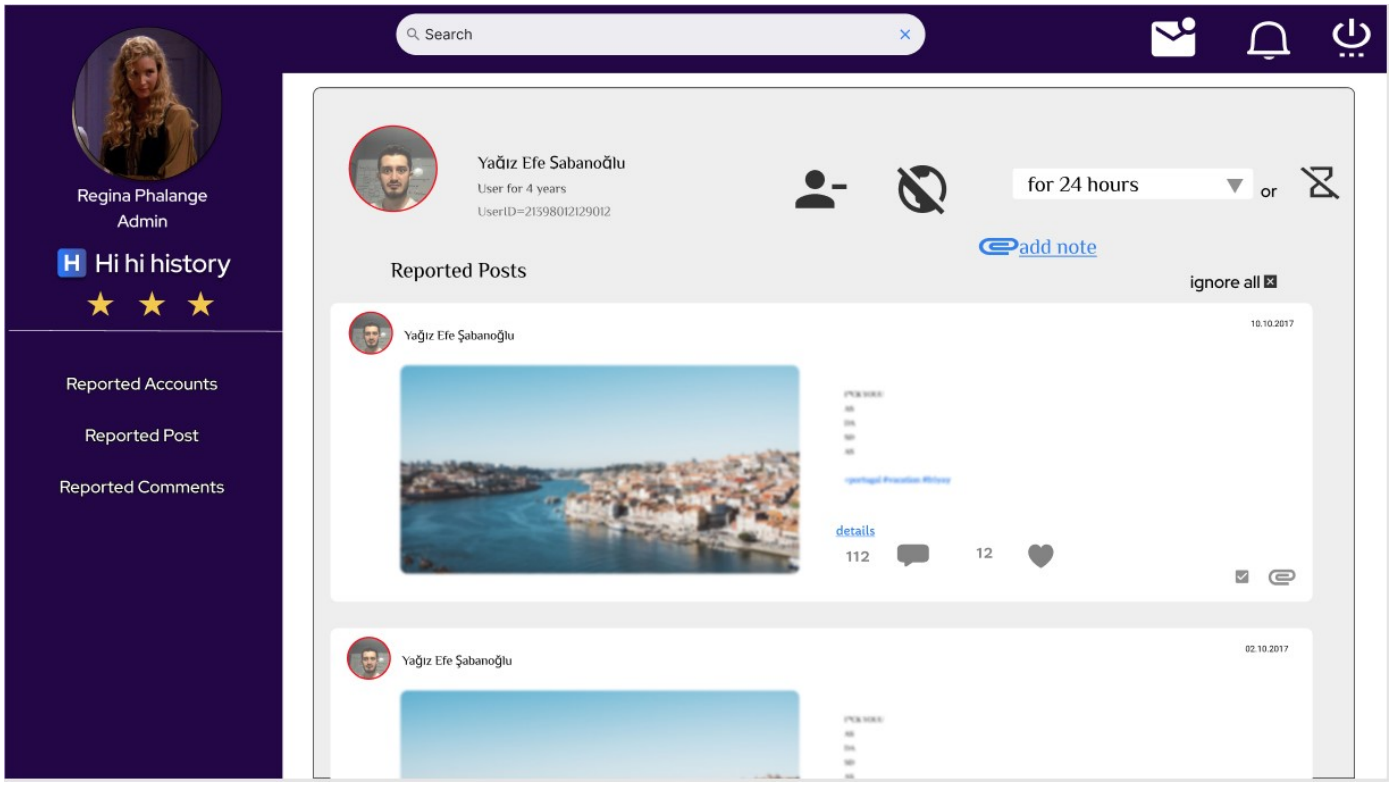
Acceptance Criteria

- She shall be able to delete contents successfully so that non-admin users cannot see it.
- She shall be able to ban accounts so that accounts will not have any function which users have.
- She shall be able to remove the ban from the accounts so that accounts will not lose any interaction.
- She shall be able to reply to the messages in the mailbox so that the user will get the message successfully.

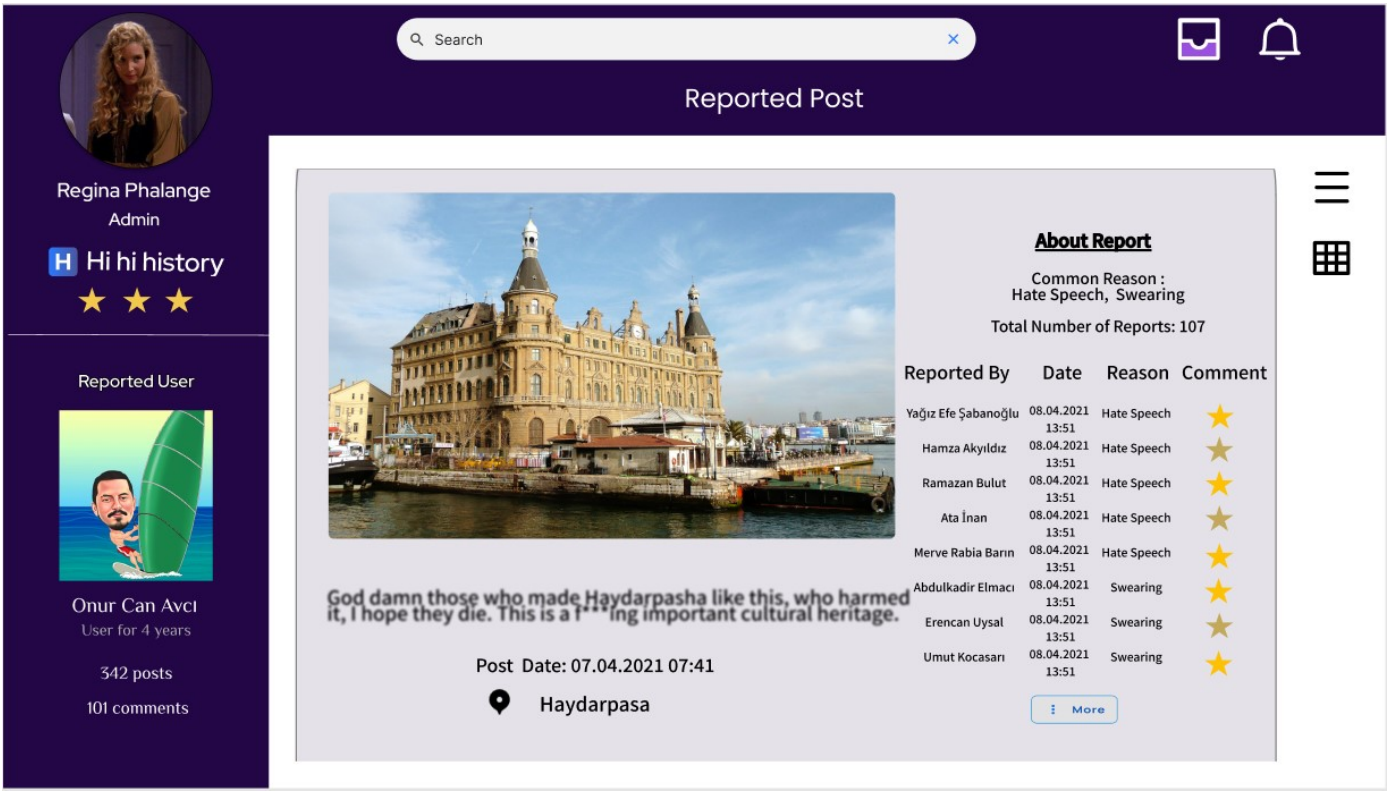
Scenario

- 

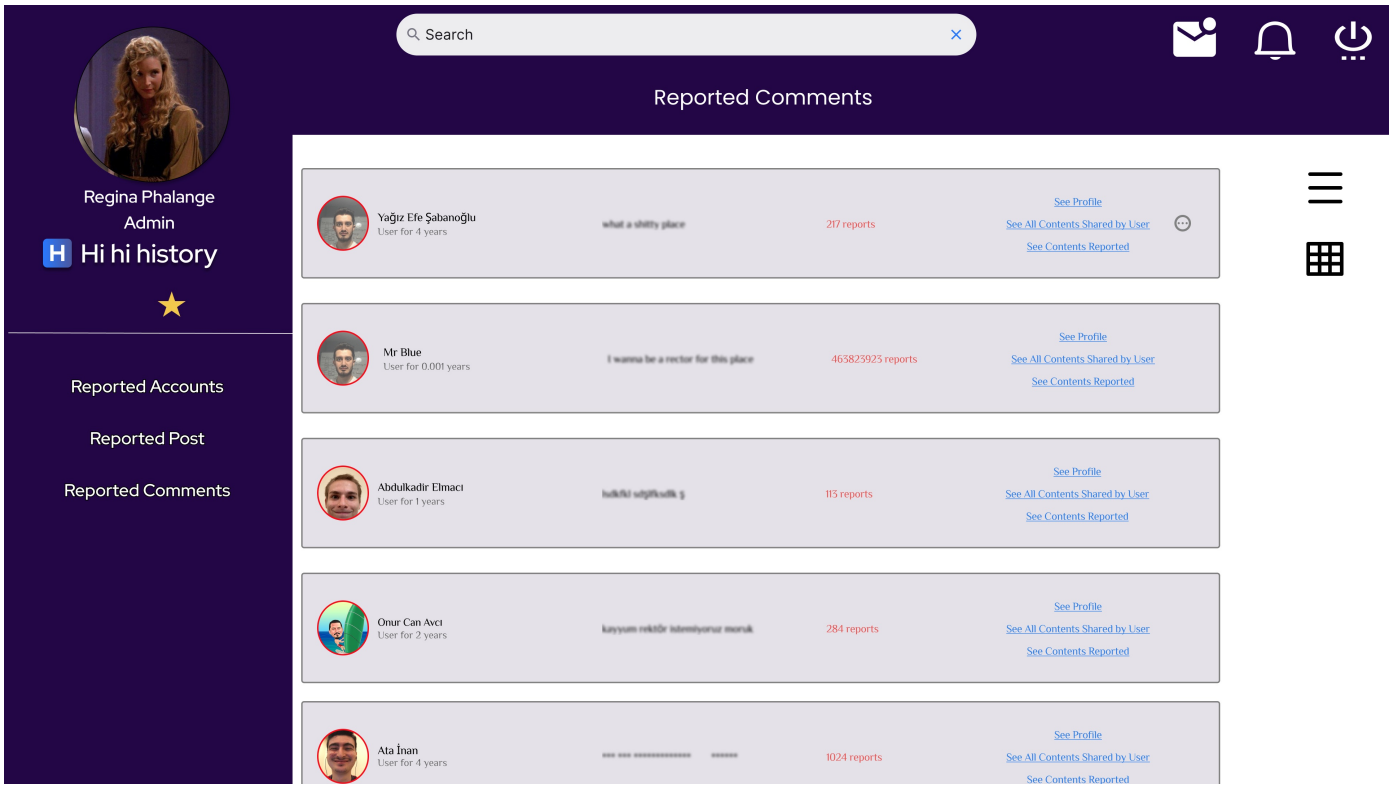
- She is already logged in.
- She is at the main page of admin users.
- She sees the reported profiles.



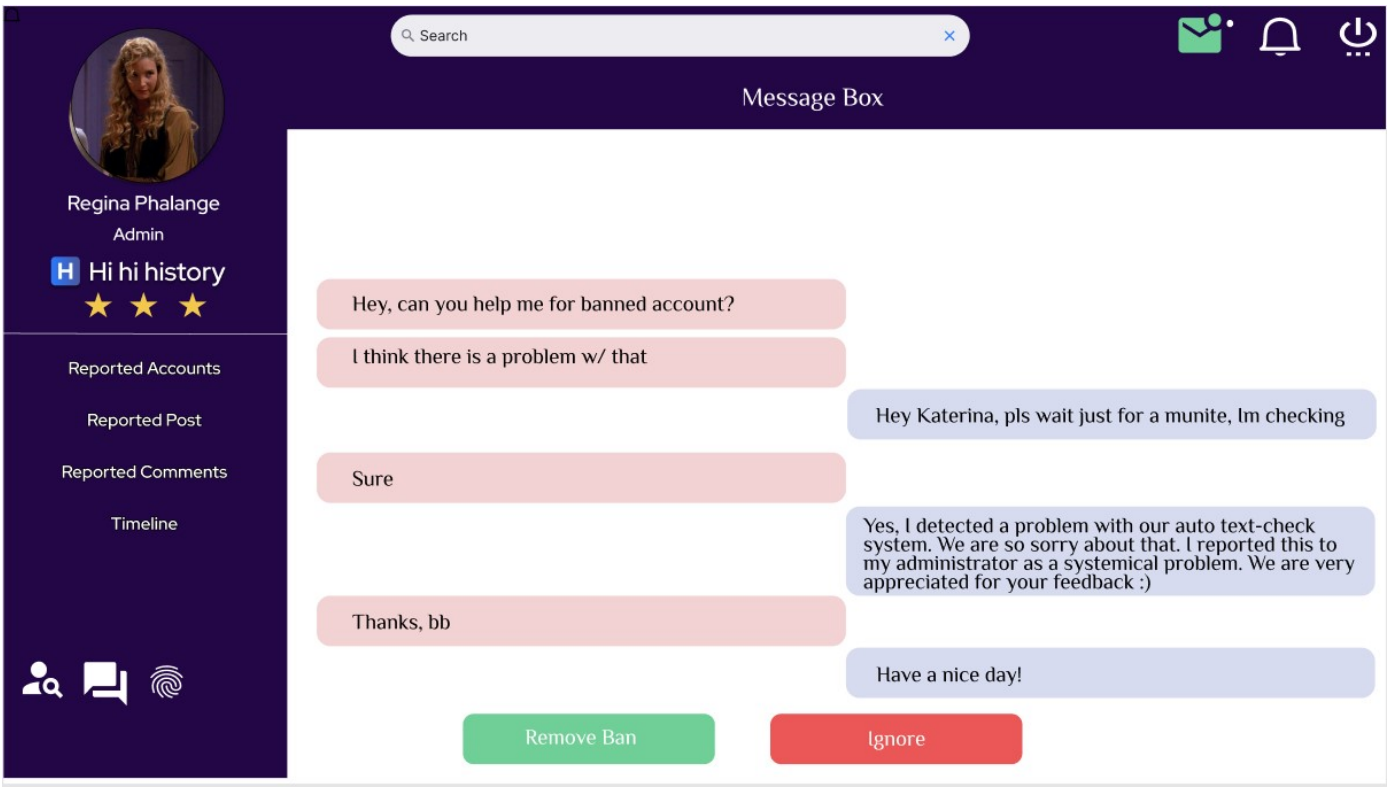
- She clicks the profile that is reported.
- She sees a content that violates the Terms of Use
- She decides to ban the account.
- She attaches a note about the violation.
- She bans the account.
- She returns to the main page.
- She sees a post.



- She decides to check reported posts.
- She filters feed into posts.



- She decides that the post does not violate the Terms of Use.
- She ignores the report.
- She returns to the main page.
- She decides to go over on reported comments.
- She sees a comment that violates the Terms of Use
- She deletes the comment and attaches a note about the violation.



- She decides to look at users' messages.
- She goes to the mailbox.
- She opens a message.
- A banned user explains himself in a way that the action that he took for banning is not a violation to Terms of Use.
- She reads the note about the violation and user excuse.
- She decides to remove the ban.

Software design documents in UML

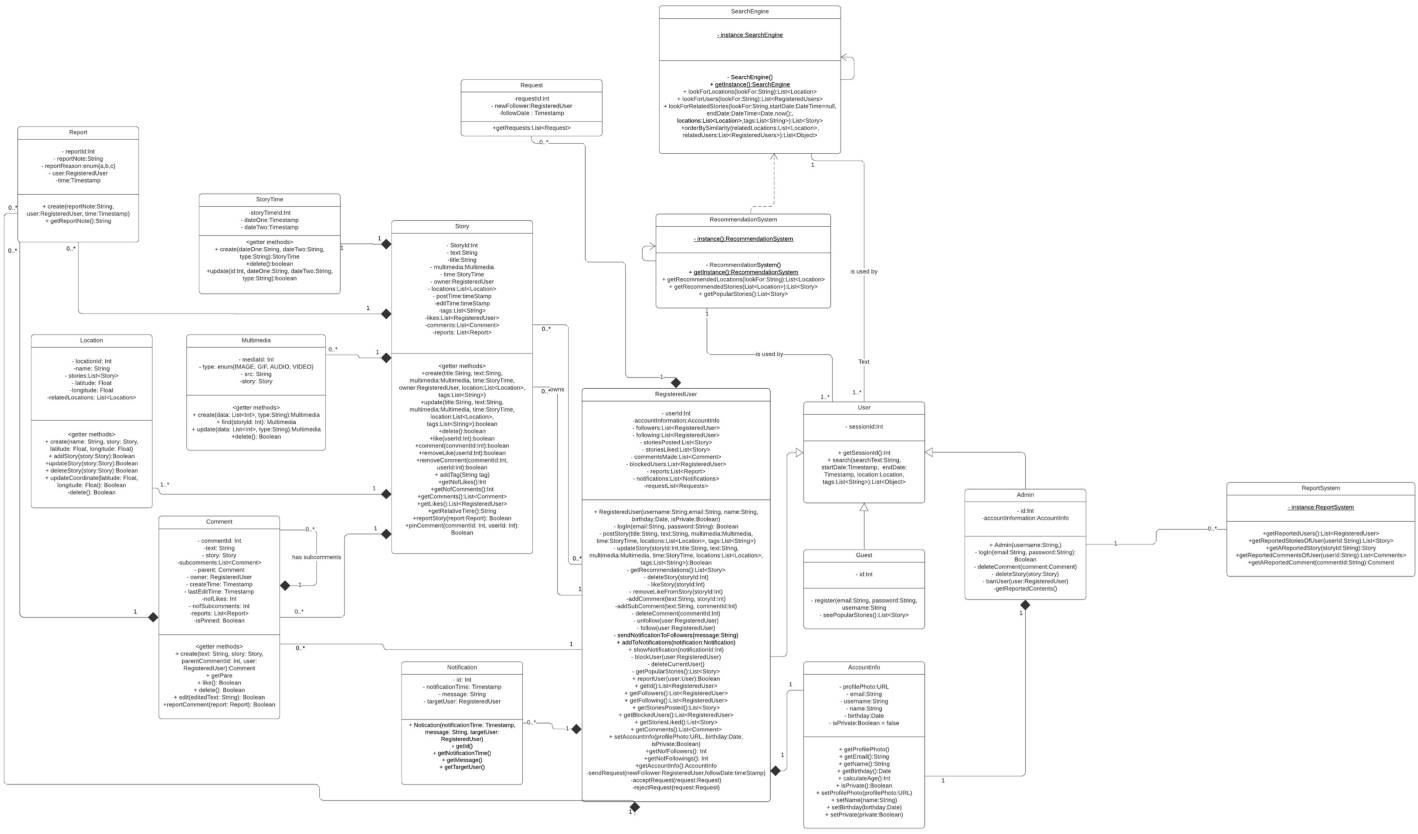
Use Case Diagram

You can find out use case diagram here. Also, there is a photo of it below.

Search Users
Search Posts
<<extends>>
Search Tags
<<extends>>
Filter Dates
<<extends>>
<<extends>>
Search locations
<<extends>>
Specify on Map
View Popular Posts
Guest
Sign Up
View Public Profiles
Filter reported content
Add Black List
<<extends>>
<<extends>>
Remove Black List
<<extends>>
View User Spams
Review reported content
<<extends>>
View Post Spams
<<extends>>
Add Spam Post
<<extends>>
<<extends>>
View Spams
<<extends>>
View Comment Spams
<<extends>>
Add Spam Comment
<<extends>>
View Tag Spams
<<extends>>
Add Spam Tags
Admin
Contact with Users
<<extends>>
Receive Message from User
<<extends>>
Reply User Message

Class Diagram

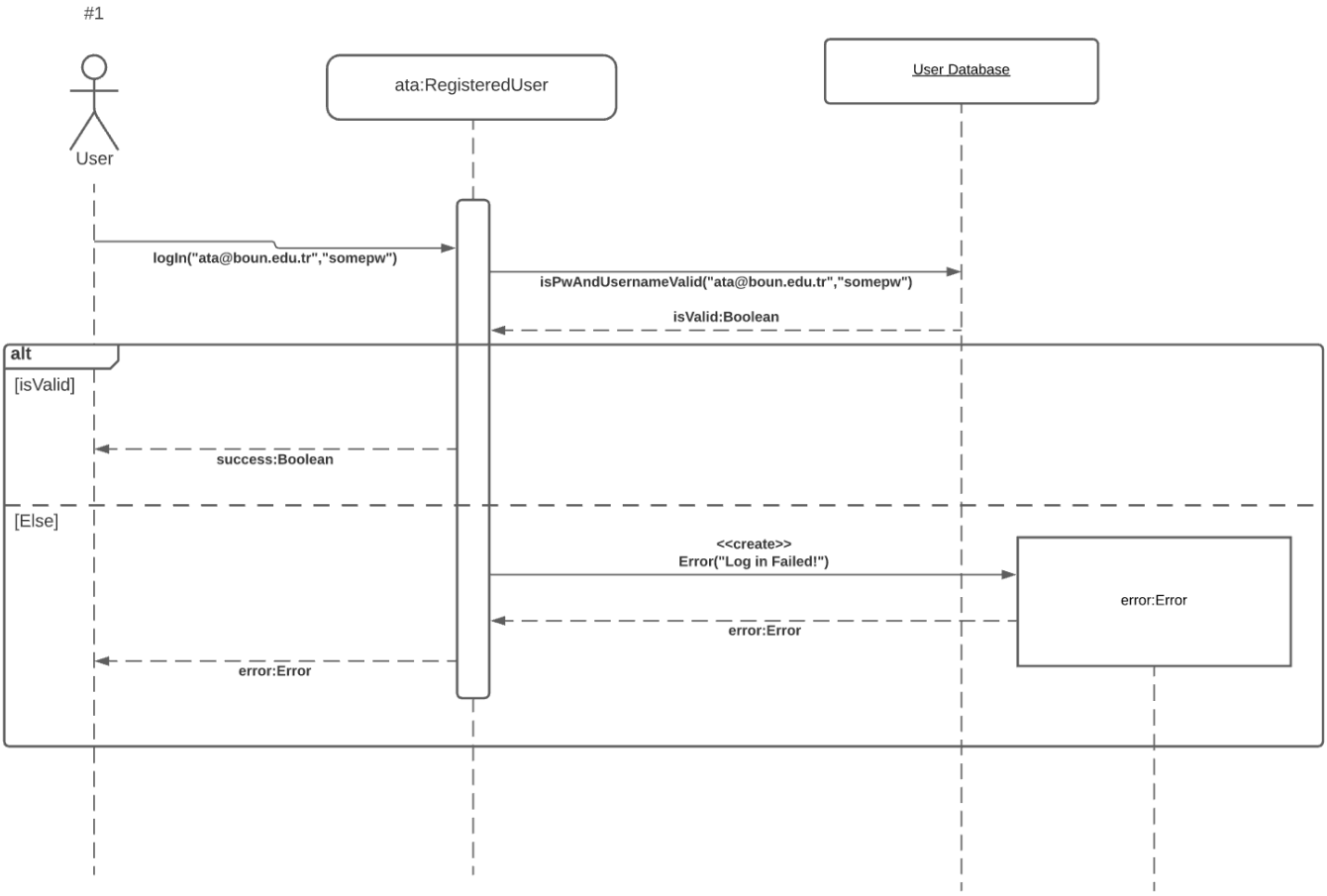
You can find out class diagram here. Also, there is a photo of it below.



Sequence Diagrams

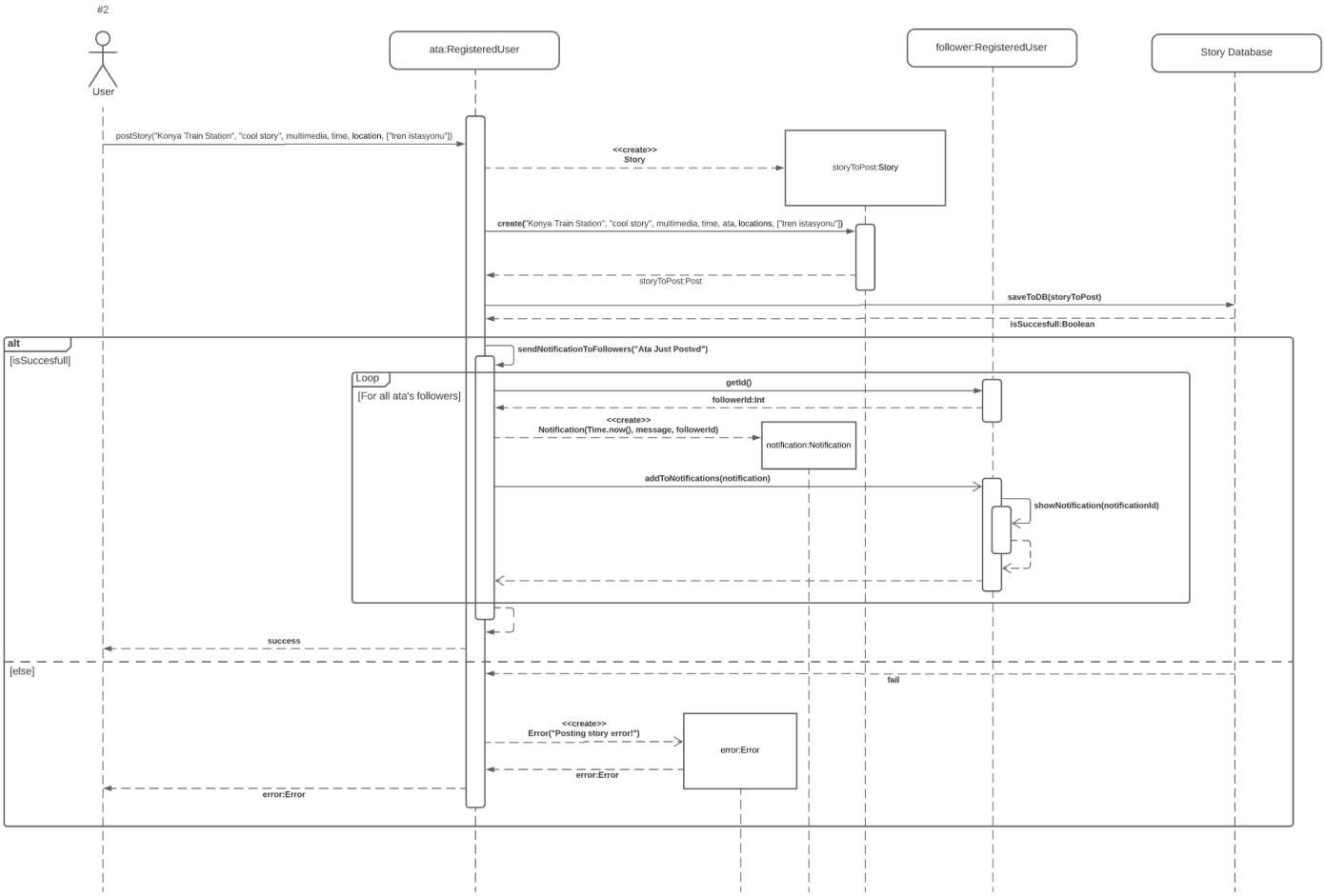
1. Sign In

User signs in to the application.



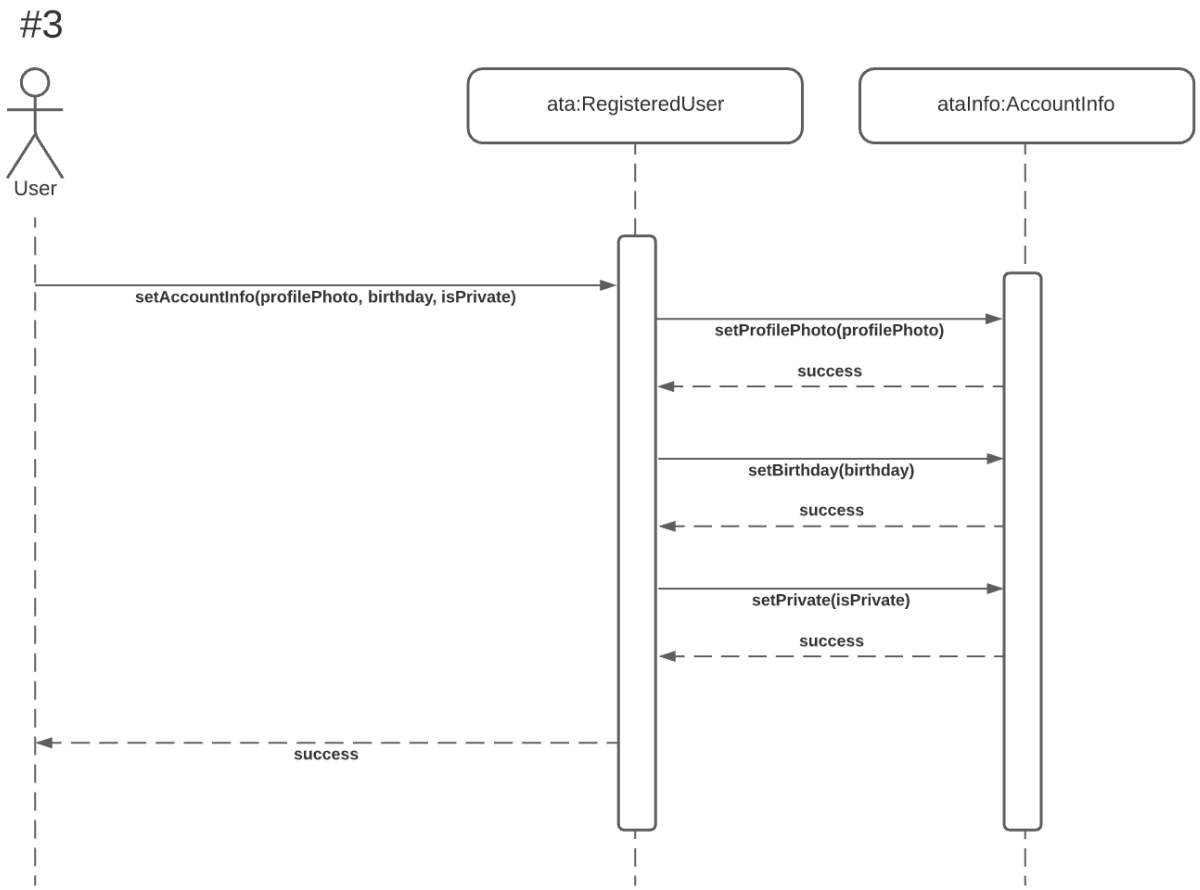
2. Post Creation

User clicks "Create Post" button and uploads the contents he/she wants. Then sends it to the system.



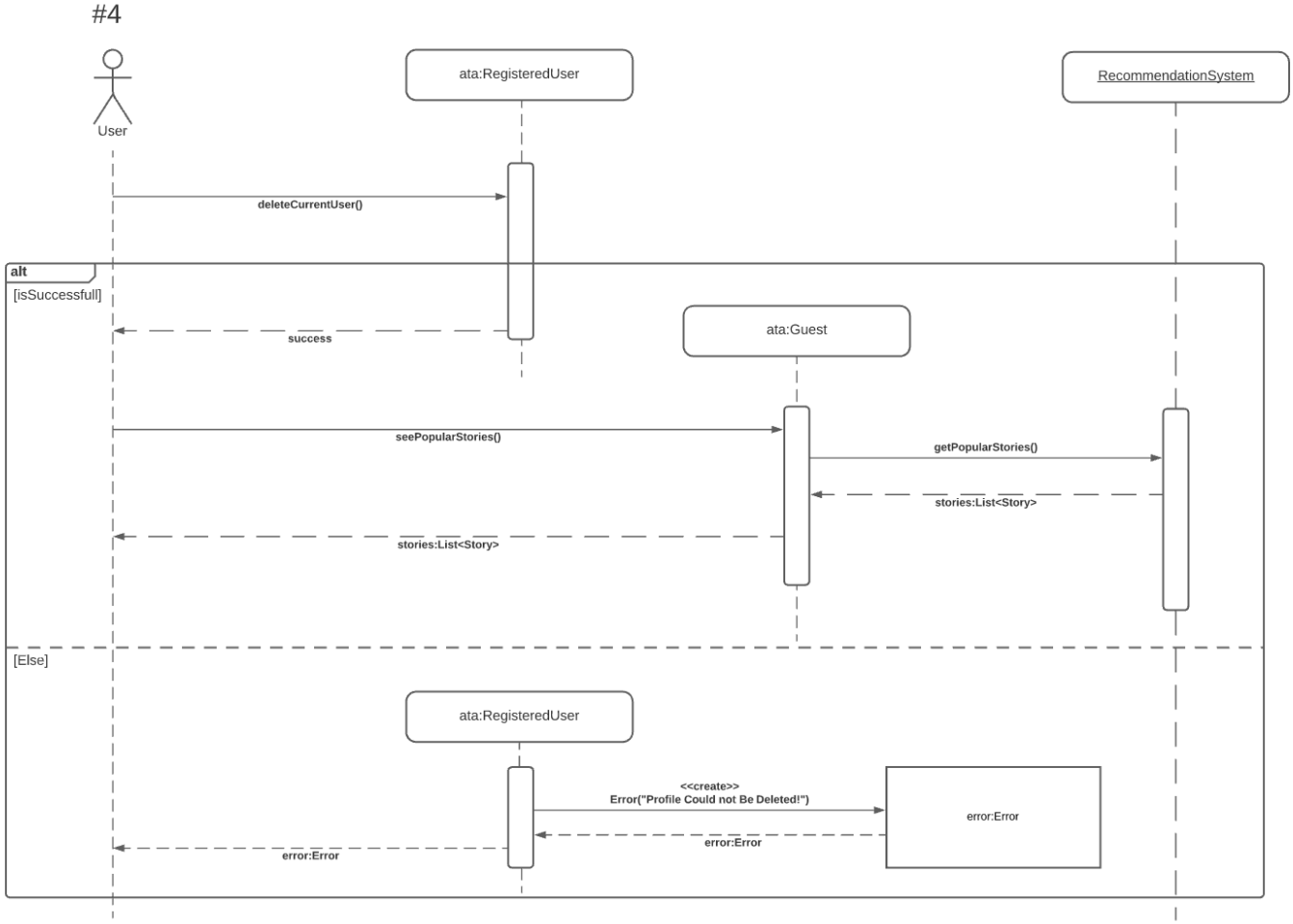
3. Edit Profile Information

User changes the personal information in their profile.



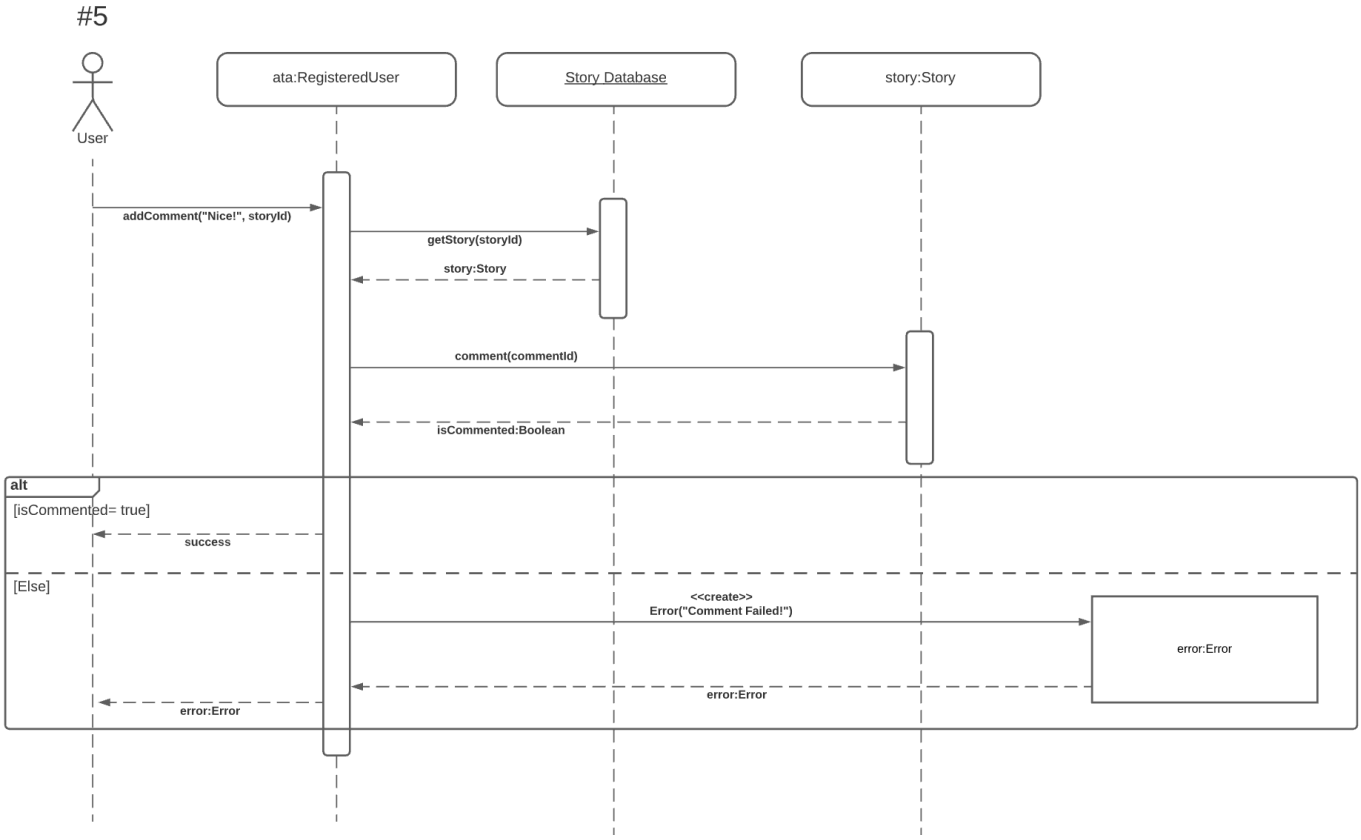
4. Delete Own Profile

User deletes their own profile from the application and then becomes a guest.

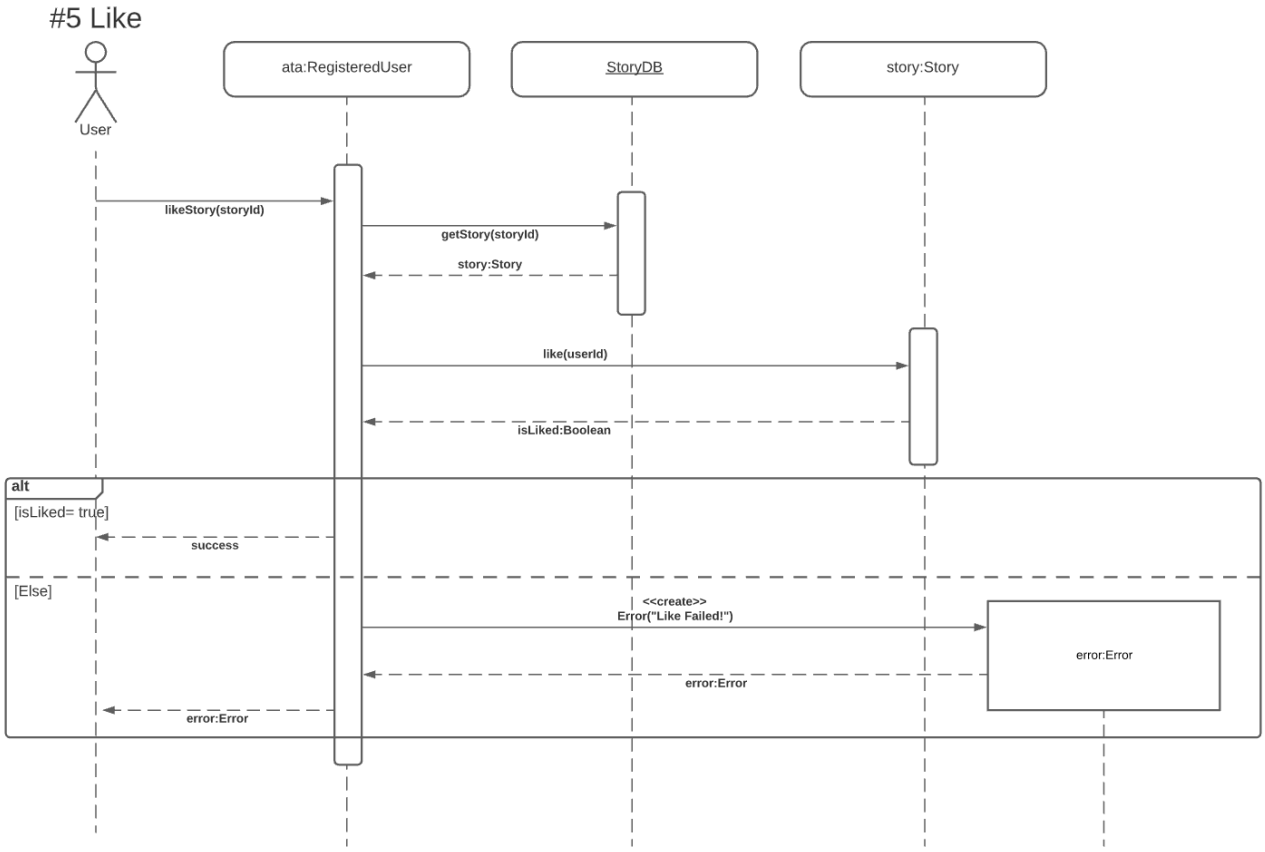


5. Like and Comment a Story

User comments on a story in the application.

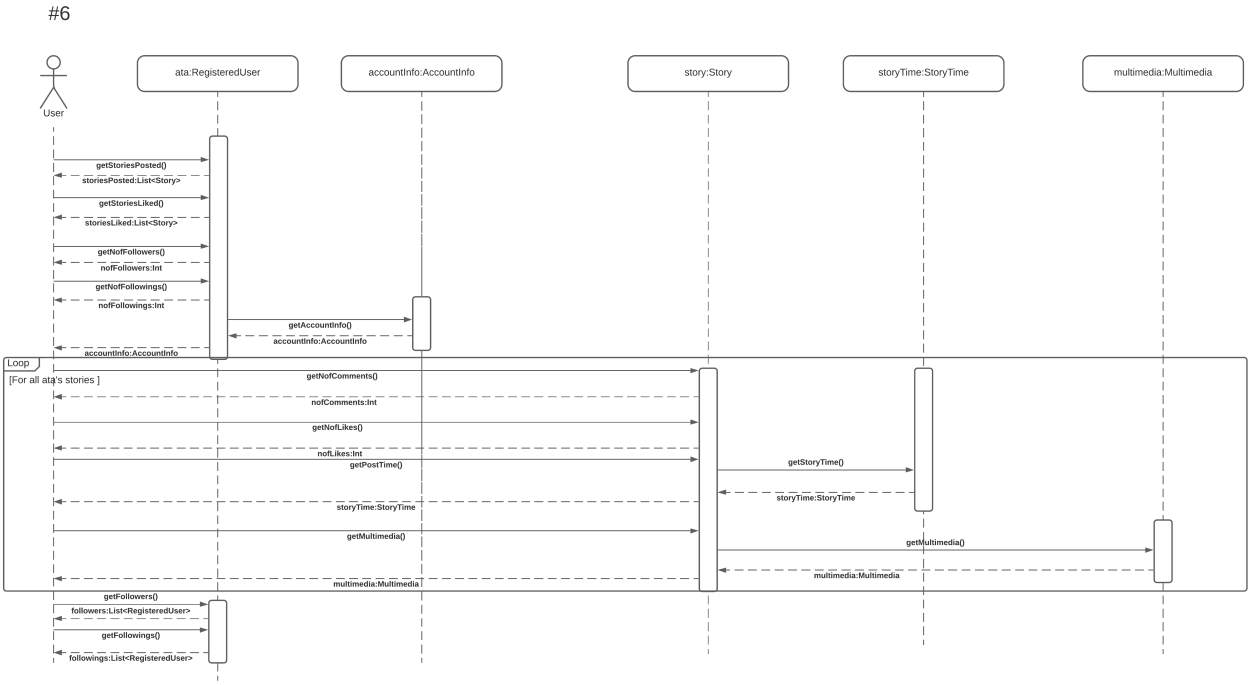


User likes a story in the application.



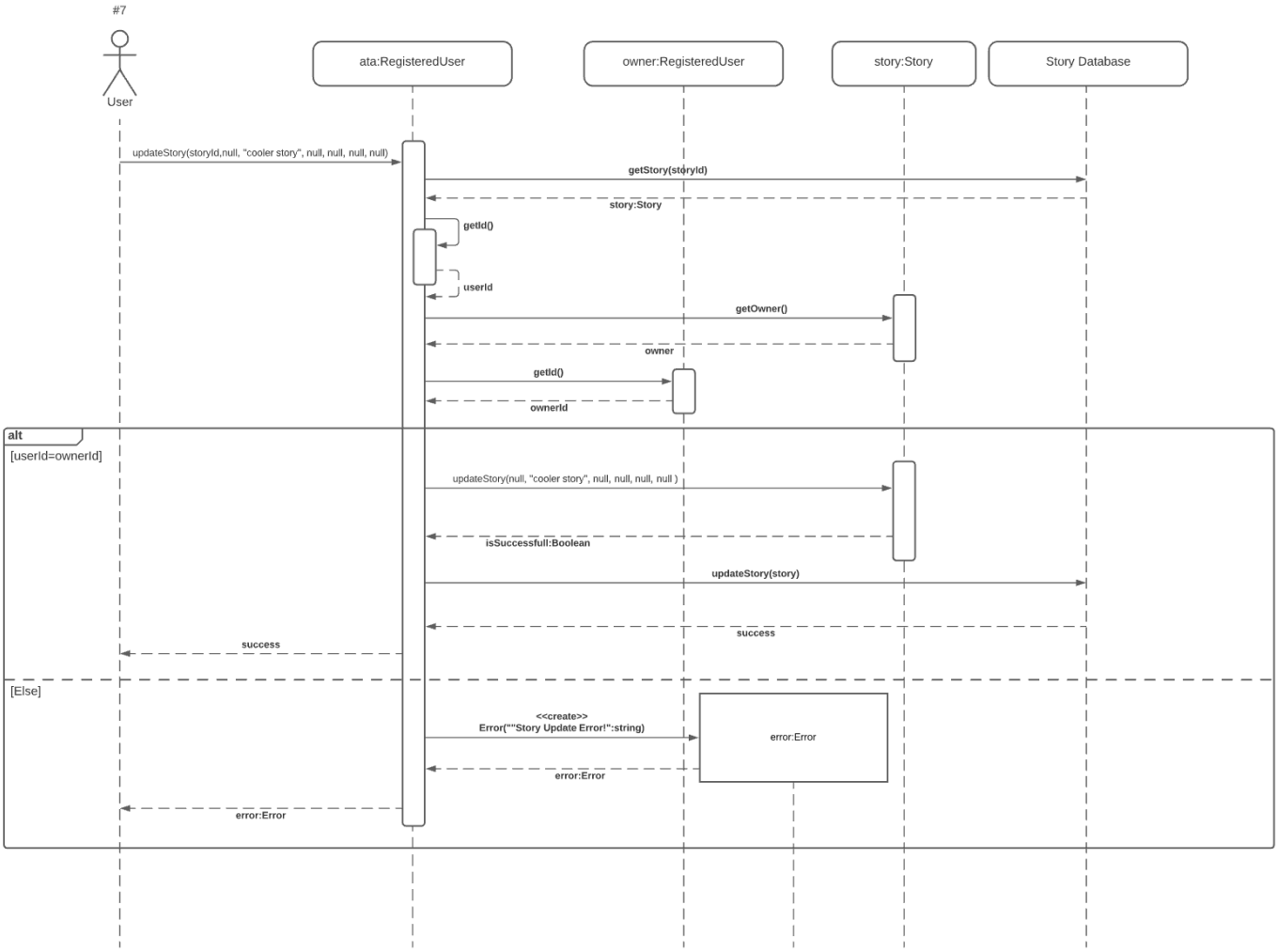
6. View Followers/Followings

User goes to their own profile, sees the number of followers/followings in the application, takes a look at their own post and then looks at their own followers/followings.



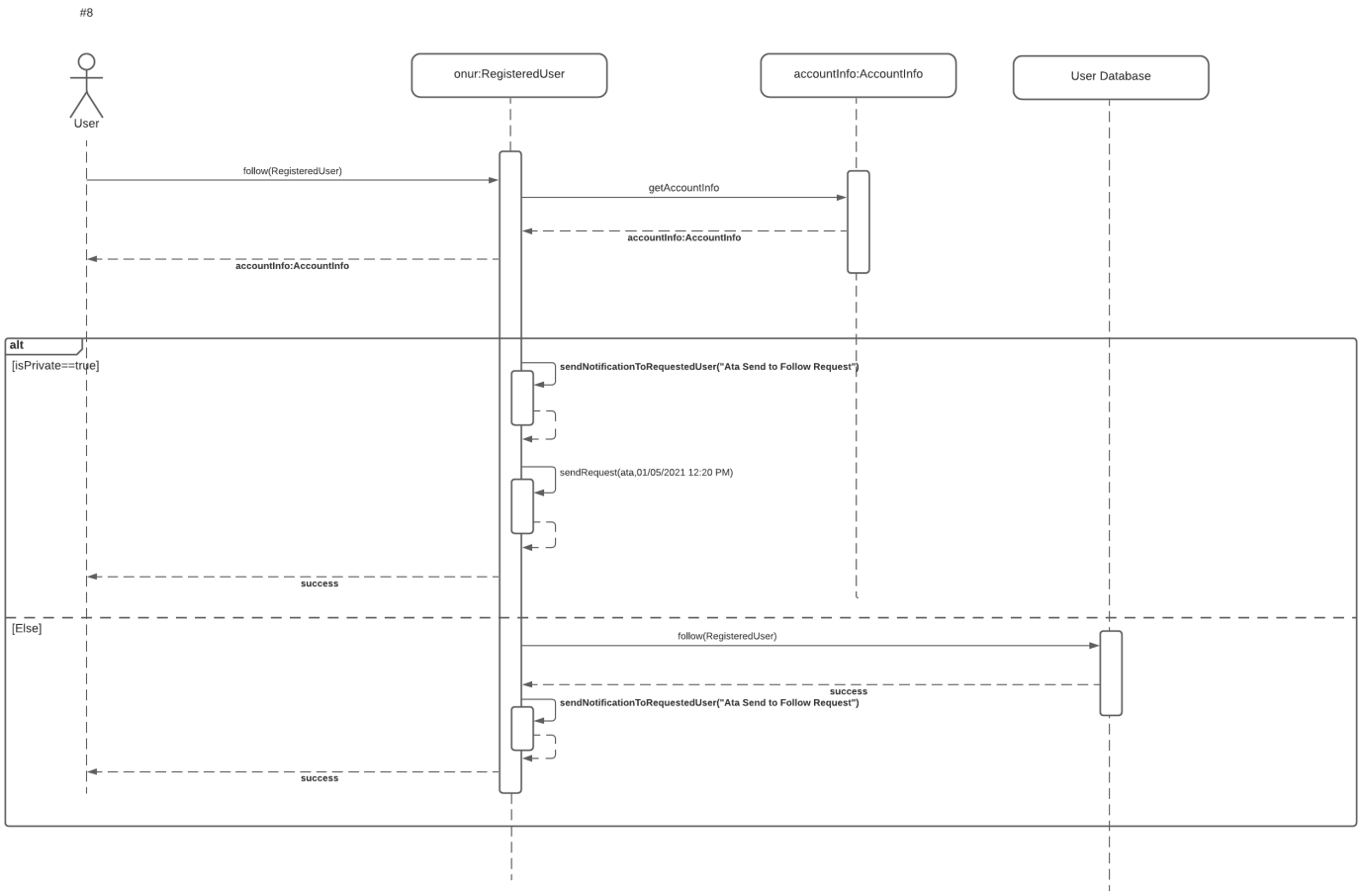
7. Edit Own Post

User tries to edit the contents of their on post.



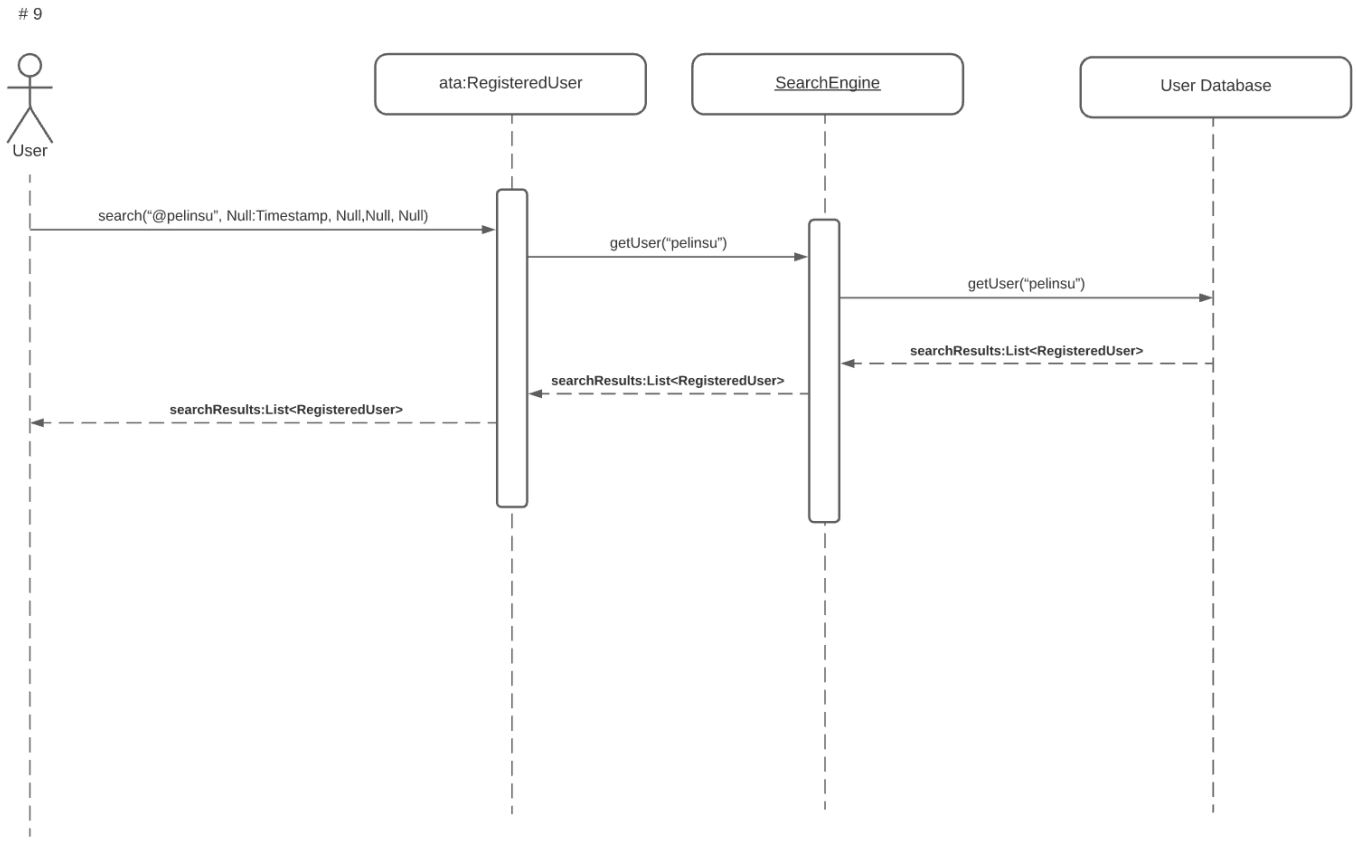
8. Follow Other Users

User tries to another follow users.



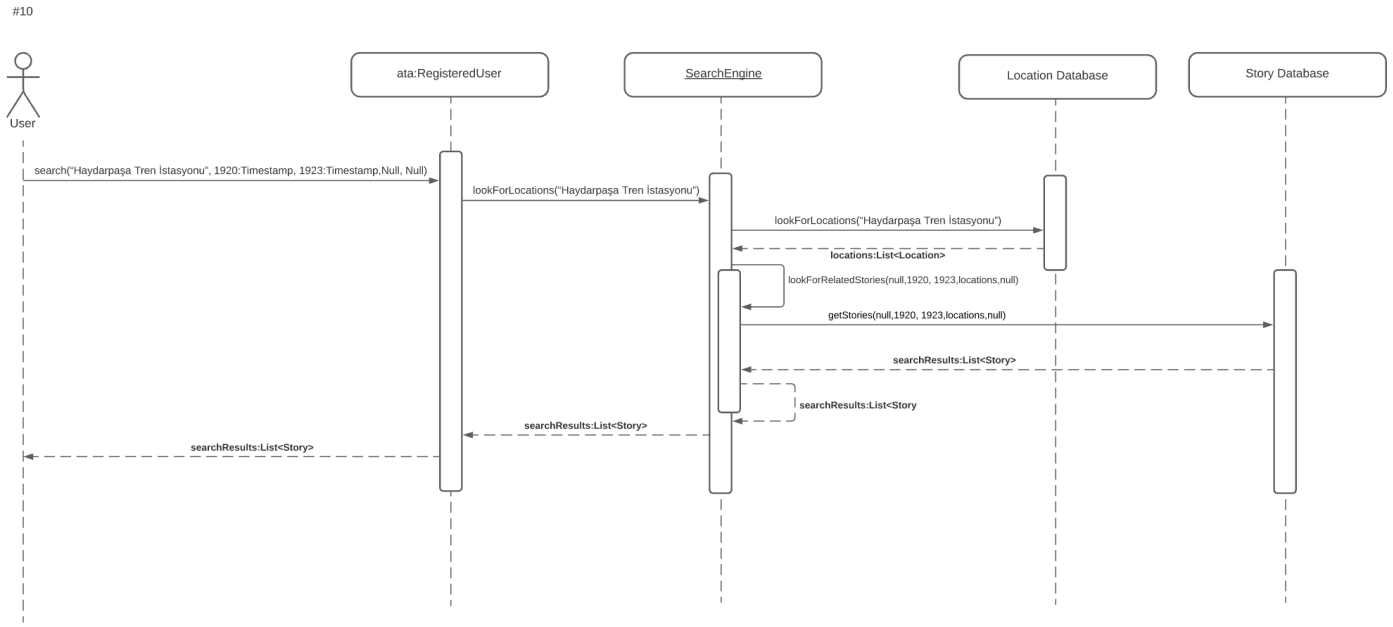
9. Search Other Users

User searches for other users in the application.



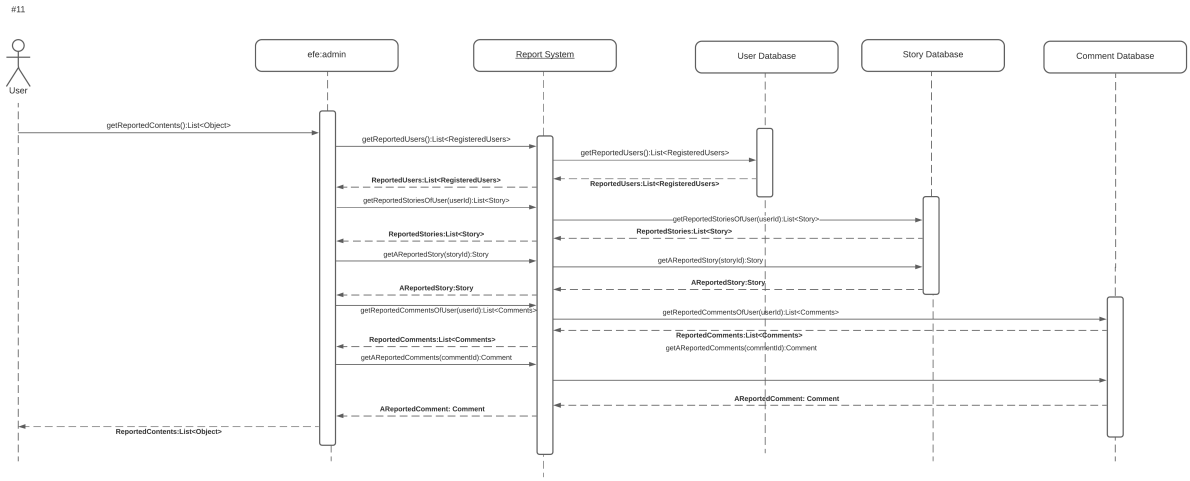
10. Search Posts by Location with Filtering by Date

User searches for posts in a specific location and filters the results by their date.



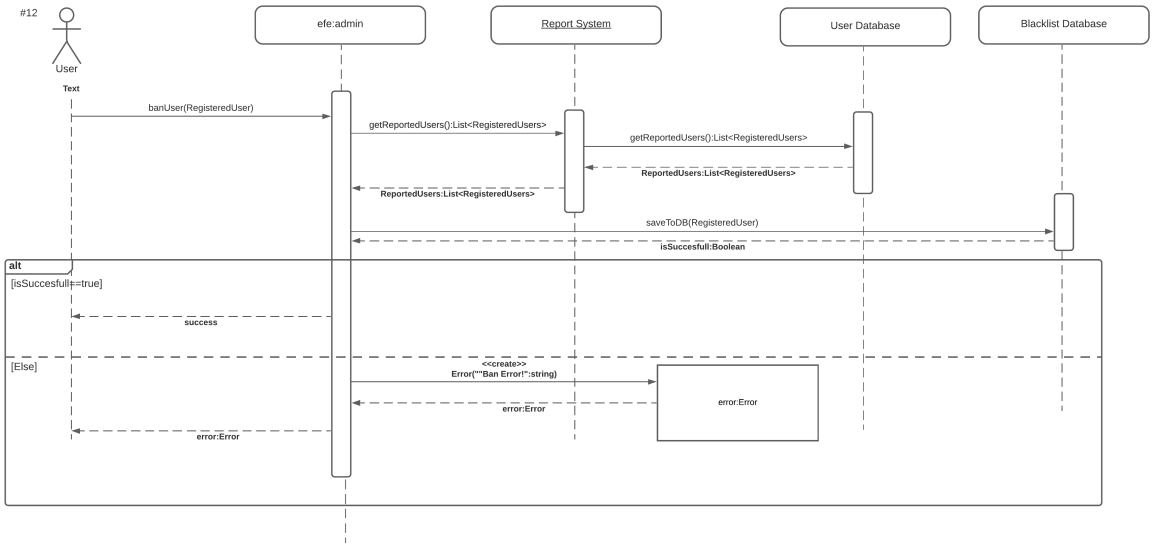
11. Review Reported Contents

Admin reviews the reported contents in the application.



12. Add Someone to Blacklist

Admin adds someone to blacklist, stopping his/her access to the application.

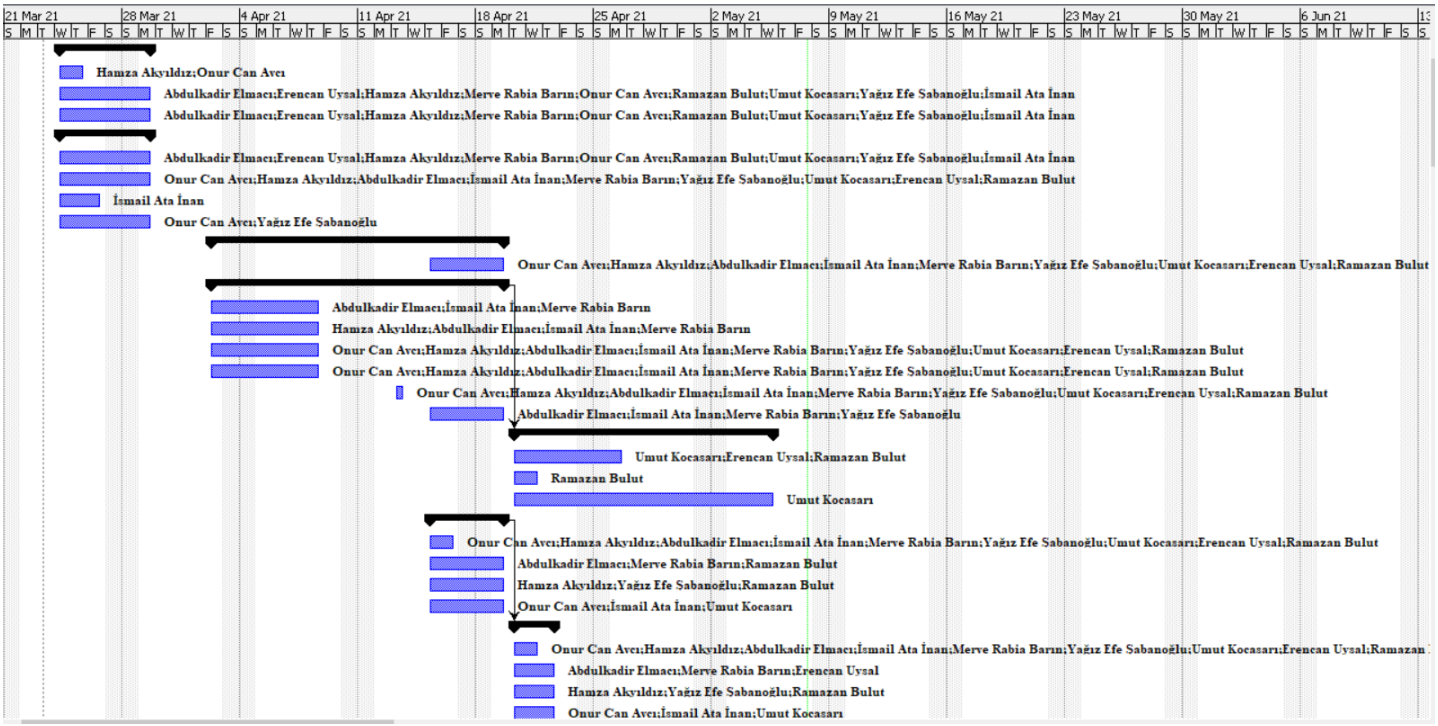


Project Plan

PROJECT LIBRE FILE CAN BE FOUND *HERE*

Project plan as pdf can be found **here**

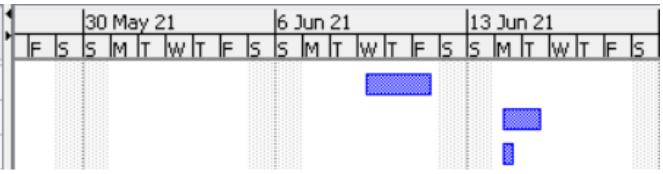
		Name	Duration	Start	Finish	Predecessors	Resource Names
1		**ORIENTATION**	4 days?	**3/24/21 8:00 AM**	**3/29/21 5:00 PM**		
2		Creating Slack for Team Communication	2 days?	3/24/21 8:00 AM	3/25/21 5:00 PM		Hamza Akyıldız;Onur Can Avcı
3		Researching about Version Control System	4 days?	3/24/21 8:00 AM	3/29/21 5:00 PM		Abdulkadir Elmacı;Erencan U...
4		Researching About Favourite GitHub Repositories	4 days?	3/24/21 8:00 AM	3/29/21 5:00 PM		Abdulkadir Elmacı;Erencan U...
5		**DOCUMENTATION**	4 days?	**3/24/21 8:00 AM**	**3/29/21 5:00 PM**		
6		Creating Communication Plan	4 days?	3/24/21 8:00 AM	3/29/21 5:00 PM		Abdulkadir Elmacı;Erencan U...
7		Creating Personal Wikipages	4 days?	3/24/21 8:00 AM	3/29/21 5:00 PM		Onur Can Avcı;Hamza Akyıl...
8		Creating Wiki Home Page	3 days?	3/24/21 8:00 AM	3/26/21 5:00 PM		İsmail Ata İnan
9		Researching Platforms Similar to Our Project	4 days?	3/24/21 8:00 AM	3/29/21 5:00 PM		Onur Can Avcı;Yağız Efe Şa...
10		**NAME**	12 days?	**4/2/21 8:00 AM**	**4/19/21 5:00 PM**		
11		Recommending an App Name	3 days?	4/15/21 8:00 AM	4/19/21 5:00 PM		Onur Can Avcı;Hamza Akyıl...
12		**REQUIREMENTS**	12 days?	**4/2/21 8:00 AM**	**4/19/21 5:00 PM**		
13		Creating Glossary	5 days?	4/2/21 8:00 AM	4/8/21 5:00 PM		Abdulkadir Elmacı;İsmail Ata...
14		Determining the requirements	5 days?	4/2/21 8:00 AM	4/8/21 5:00 PM		Hamza Akyıldız;Abdulkadir El...
15		Adding Functional Requirements	5 days?	4/2/21 8:00 AM	4/8/21 5:00 PM		Onur Can Avcı;Hamza Akyıl...
16		Adding Non-Functional Requirements	5 days?	4/2/21 8:00 AM	4/8/21 5:00 PM		Onur Can Avcı;Hamza Akyıl...
17		Customer Meeting with TA	1 day?	4/13/21 8:00 AM	4/13/21 5:00 PM		Onur Can Avcı;Hamza Akyıl...
18		Updating the requirements after customer meeti	3 days?	4/15/21 8:00 AM	4/19/21 5:00 PM		Abdulkadir Elmacı;İsmail Ata...
19		**QUESTIONS**	12 days?	**4/20/21 8:00 AM**	**5/5/21 5:00 PM**	**12**	
20		Determining Questions	5 days?	4/20/21 8:00 AM	4/26/21 5:00 PM		Umut Kocasarı;Erencan Uys...
21		Classifying Questions	2 days?	4/20/21 8:00 AM	4/21/21 5:00 PM		Ramazan Bulut
22		Arranging answers of the questions	12 days?	4/20/21 8:00 AM	5/5/21 5:00 PM		Umut Kocasarı
23		**SCENARIOS**	3 days?	**4/15/21 8:00 AM**	**4/19/21 5:00 PM**		
24		Research on Scenarios	2 days?	4/15/21 8:00 AM	4/16/21 5:00 PM		Onur Can Avcı;Hamza Akyıl...
25		Creating User Scenarios	3 days?	4/15/21 8:00 AM	4/19/21 5:00 PM		Abdulkadir Elmacı;Merve Ra...
26		Creating Admin Scenarios	3 days?	4/15/21 8:00 AM	4/19/21 5:00 PM		Hamza Akyıldız;Yağız Efe Şa...
27		Creating Guest Scenario	3 days?	4/15/21 8:00 AM	4/19/21 5:00 PM		Onur Can Avcı;İsmail Ata İn...
28		**MOCKUPS**	3 days?	**4/20/21 8:00 AM**	**4/22/21 5:00 PM**	**23**	
29		Research on Mockups	2 days?	4/20/21 8:00 AM	4/21/21 5:00 PM		Onur Can Avcı;Hamza Akyıl...
30		Creating User Mockups	3 days?	4/20/21 8:00 AM	4/22/21 5:00 PM		Abdulkadir Elmacı;Merve Ra...
31		Creating Admin Mockups	3 days?	4/20/21 8:00 AM	4/22/21 5:00 PM		Hamza Akyıldız;Yağız Efe Şa...
32		Creating Guest Mockups	3 days?	4/20/21 8:00 AM	4/22/21 5:00 PM		Onur Can Avcı;İsmail Ata İn...

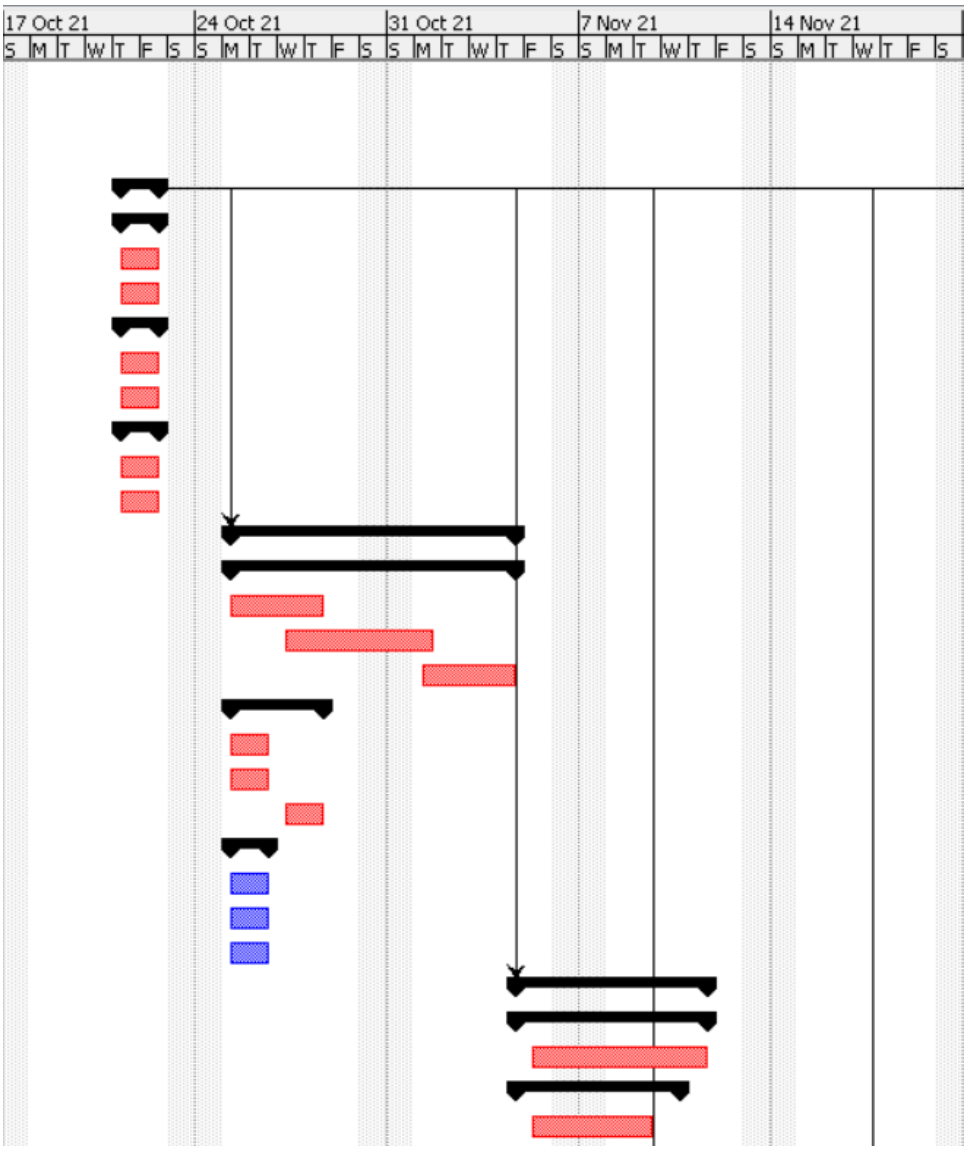


		Name	Duration	Start	Finish	Predecessors	Resource Names
33		**DIAGRAMS**	14 days?	**4/22/21 8:00 AM**	**5/11/21 5:00 PM**		
34		Creating Use Case Diagram	7 days?	4/22/21 8:00 AM	4/30/21 5:00 PM		Onur Can Avcı;Hamza Akyıl...
35		Creating Class Diagram	7 days?	4/22/21 8:00 AM	4/30/21 5:00 PM		Hamza Akyıldız;Abdulkadir El...
36		Creating Sequence Diagram	7 days?	5/3/21 8:00 AM	5/11/21 5:00 PM	35	Onur Can Avcı;İsmail Ata İn...
37		Upload Diagrams to Wiki	2 days?	4/29/21 8:00 AM	4/30/21 5:00 PM		Onur Can Avcı;Hamza Akyıl...
38		**PLANNING**	6 days?	**5/1/21 8:00 AM**	**5/10/21 5:00 PM**		
39		Research on System Design	6 days?	5/1/21 8:00 AM	5/10/21 5:00 PM		Onur Can Avcı;Hamza Akyıl...
40		Executive Summary	6 days?	5/1/21 8:00 AM	5/10/21 5:00 PM		İsmail Ata İnan;Erencan Uysal
41		List and Evaluation of the Status Of Deliverables	6 days?	5/1/21 8:00 AM	5/10/21 5:00 PM		Merve Rabia Barın
42		Evaluation of Tools and Processes	6 days?	5/1/21 8:00 AM	5/10/21 5:00 PM		Hamza Akyıldız
43		Writing Summary of Work Done	5 days?	5/1/21 8:00 AM	5/7/21 5:00 PM		Onur Can Avcı;Hamza Akyıl...
44		Preparing Project Plan	6 days?	5/1/21 8:00 AM	5/10/21 5:00 PM		Onur Can Avcı;Hamza Akyıl...
45		Preparing RAM	6 days?	5/1/21 8:00 AM	5/10/21 5:00 PM		Onur Can Avcı;Abdulkadir El...
46		Converting Deliverables to PDF and Uploading	6 days?	5/1/21 8:00 AM	5/10/21 5:00 PM		
47		**API**	6 days?	**5/18/21 8:00 AM**	**5/25/21 5:00 PM**		
48		Researching about API	1 day?	5/18/21 8:00 AM	5/18/21 5:00 PM		
49		Meeting for API Design	2 days?	5/19/21 8:00 AM	5/20/21 5:00 PM		
50		Implementation of API	2 days?	5/21/21 8:00 AM	5/24/21 5:00 PM		
51		Testing the API	2 days?	5/23/21 8:00 AM	5/25/21 5:00 PM		
52		**Configuration Management/ CI,CD Pipeline**	6 days?	**5/18/21 8:00 AM**	**5/25/21 5:00 PM**		
53		Meeting	1 day?	5/18/21 8:00 AM	5/18/21 5:00 PM		
54		Planning the Configuration	2 days?	5/19/21 8:00 AM	5/20/21 5:00 PM		
55		Designing an Activity Model	3 days?	5/21/21 8:00 AM	5/25/21 5:00 PM		
56		**Verification and Validation**	6 days?	**5/25/21 8:00 AM**	**6/1/21 5:00 PM**		
57		Meeting	1 day?	5/25/21 8:00 AM	5/25/21 5:00 PM		
58		Verification	3 days?	5/26/21 8:00 AM	5/28/21 5:00 PM		
59		Validation	2 days?	5/29/21 8:00 AM	6/1/21 5:00 PM		
60		**Deployment**	4 days?	**6/1/21 8:00 AM**	**6/4/21 5:00 PM**		
61		Meeting	1 day?	6/1/21 8:00 AM	6/1/21 5:00 PM		
62		Creating a Deployment Plan	3 days?	6/2/21 8:00 AM	6/4/21 5:00 PM		
63		**UI Design**	6 days?	**6/8/21 8:00 AM**	**6/15/21 5:00 PM**		
64		Meeting	1 day?	6/8/21 8:00 AM	6/8/21 5:00 PM		

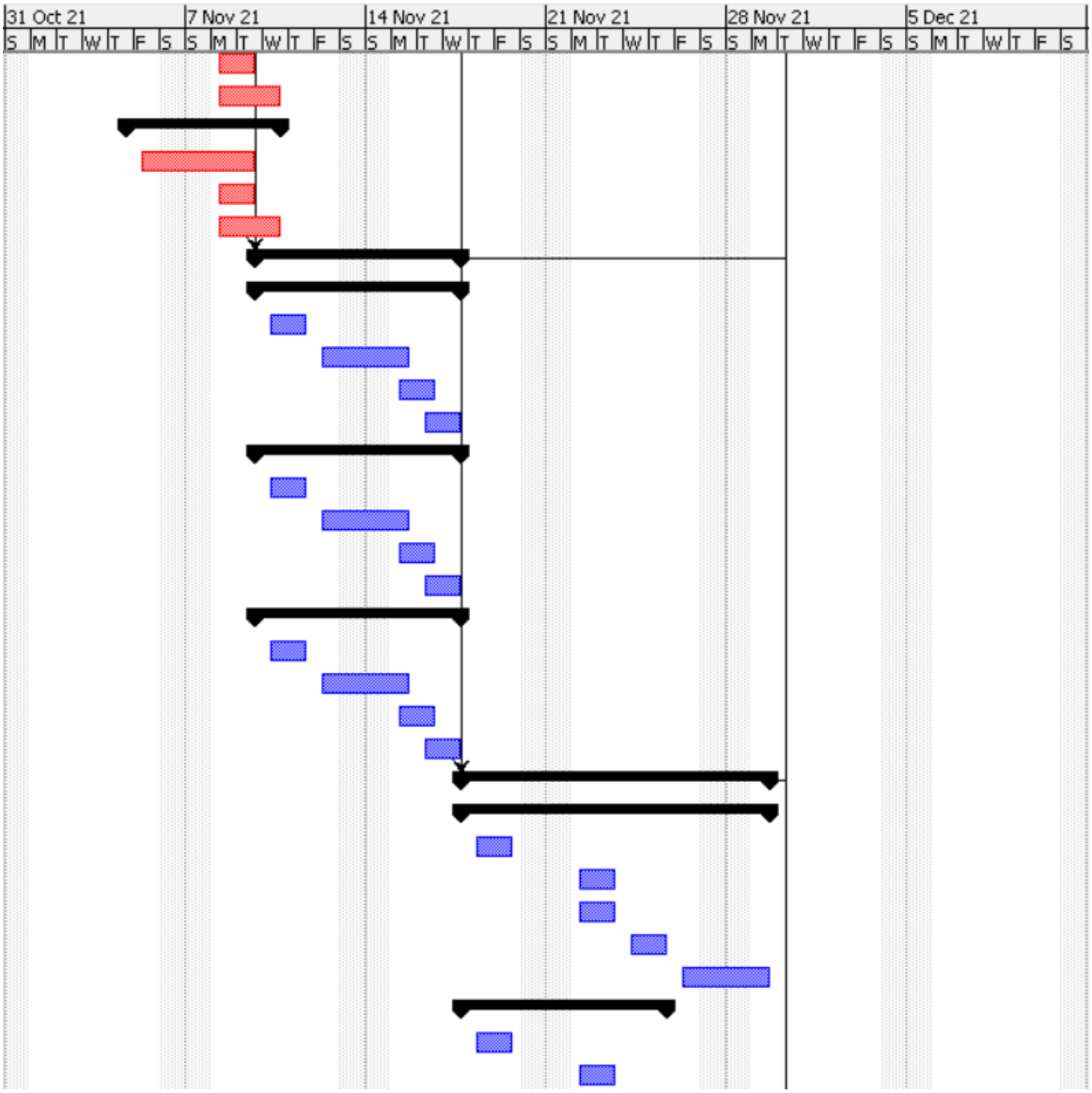
		Name	Duration	Start	Finish	Predecessors	Resource Names
65		Sketching	3 days?	6/9/21 8:00 AM	6/11/21 5:00 PM		
66		Designing UI	2 days?	6/12/21 8:00 AM	6/15/21 5:00 PM		
67		Milestone 2	1 day?	6/14/21 8:00 AM	6/14/21 5:00 PM		
68		**Building the Infrastructure**	2 days?	**10/21/21 8:00 AM**	**10/22/21 5:00 PM**		
69		**Backend**	2 days?	**10/21/21 8:00 AM**	**10/22/21 5:00 PM**		
70		Create Baseline Development Server	2 days?	10/21/21 8:00 AM	10/22/21 5:00 PM		
71		Create Test Server	2 days?	10/21/21 8:00 AM	10/22/21 5:00 PM		
72		**Frontend**	2 days?	**10/21/21 8:00 AM**	**10/22/21 5:00 PM**		
73		Determining Palette Colors and Theme	2 days?	10/21/21 8:00 AM	10/22/21 5:00 PM		
74		Creating Client for communicating with backend	2 days?	10/21/21 8:00 AM	10/22/21 5:00 PM		
75		**Mobile**	2 days?	**10/21/21 8:00 AM**	**10/22/21 5:00 PM**		
76		Determining Palette Colors and Theme	2 days?	10/21/21 8:00 AM	10/22/21 5:00 PM		
77		Creating Client for communicating with backend	2 days?	10/21/21 8:00 AM	10/22/21 5:00 PM		
78		**Register-Login Page**	9 days?	**10/25/21 8:00 AM**	**11/4/21 5:00 PM**	**68**	
79		**Backend**	9 days?	**10/25/21 8:00 AM**	**11/4/21 5:00 PM**		
80		Register System	4 days?	10/25/21 8:00 AM	10/28/21 5:00 PM		
81		Authentication	4 days?	10/27/21 8:00 AM	11/1/21 5:00 PM		
82		LogIn System	4 days?	10/30/21 8:00 AM	11/4/21 5:00 PM		
83		**Frontend**	4 days?	**10/25/21 8:00 AM**	**10/28/21 5:00 PM**		
84		Auth Provider System	2 days?	10/25/21 8:00 AM	10/26/21 5:00 PM		
85		Session Control System	2 days?	10/25/21 8:00 AM	10/26/21 5:00 PM		
86		Register-Login Page Design	2 days?	10/27/21 8:00 AM	10/28/21 5:00 PM		
87		**Mobile**	2 days?	**10/25/21 8:00 AM**	**10/26/21 5:00 PM**		
88		Auth Provider System	2 days?	10/25/21 8:00 AM	10/26/21 5:00 PM		
89		Session Control System	2 days?	10/25/21 8:00 AM	10/26/21 5:00 PM		
90		Register-Login Page Design	2 days?	10/25/21 8:00 AM	10/26/21 5:00 PM		
91		**Home Page**	5 days?	**11/4/21 5:00 PM**	**11/11/21 5:00 PM**	**68**	
92		**Backend**	5 days?	**11/4/21 5:00 PM**	**11/11/21 5:00 PM**		
93		Extract following users' recent stories	5 days?	11/4/21 5:00 PM	11/11/21 5:00 PM		
94		**Frontend**	4 days?	**11/4/21 5:00 PM**	**11/10/21 5:00 PM**		
95		Notification System Front	3 days?	11/4/21 5:00 PM	11/9/21 5:00 PM		

		Name
65		Sketching
66		Designing UI
67		Milestone 2

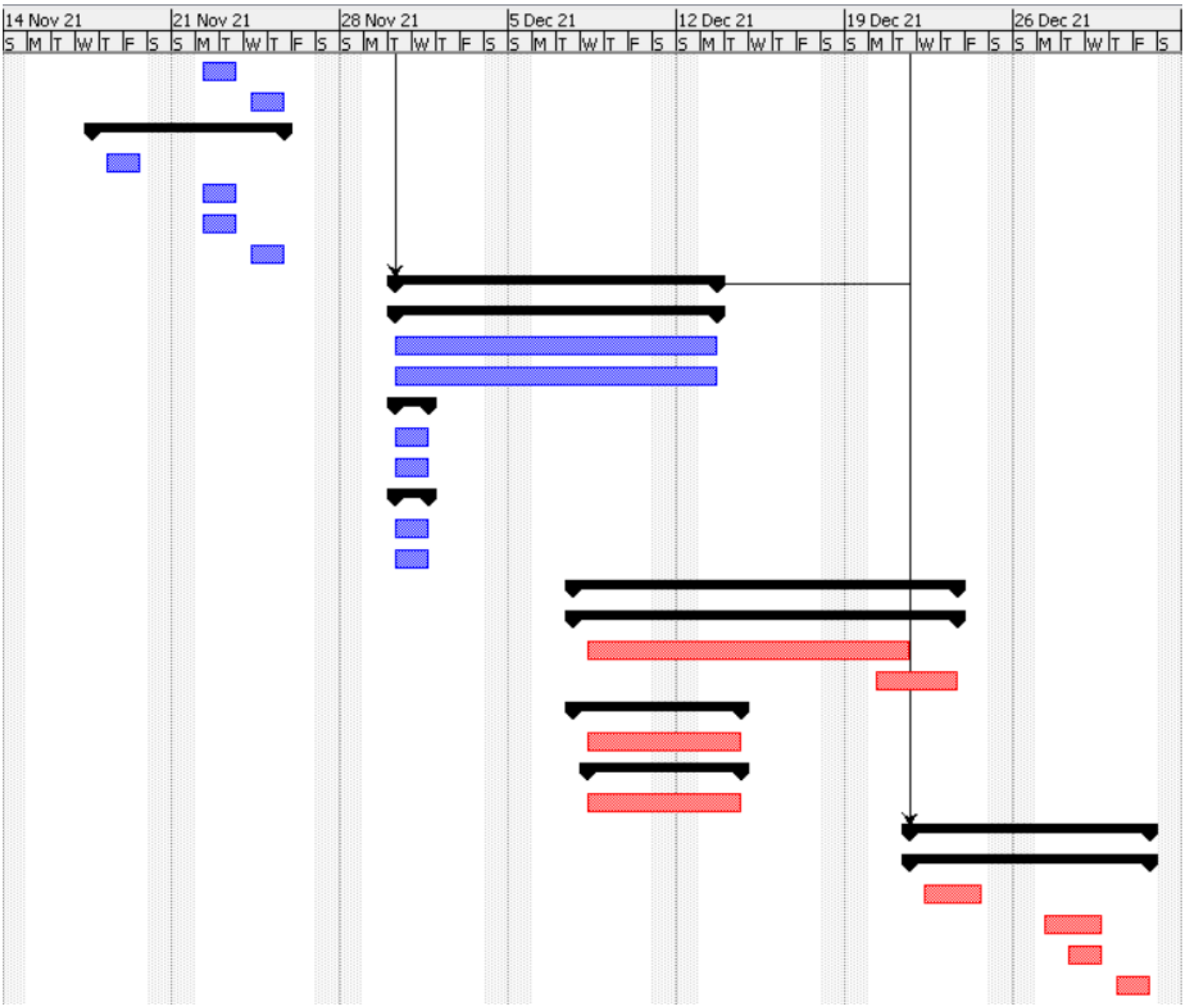




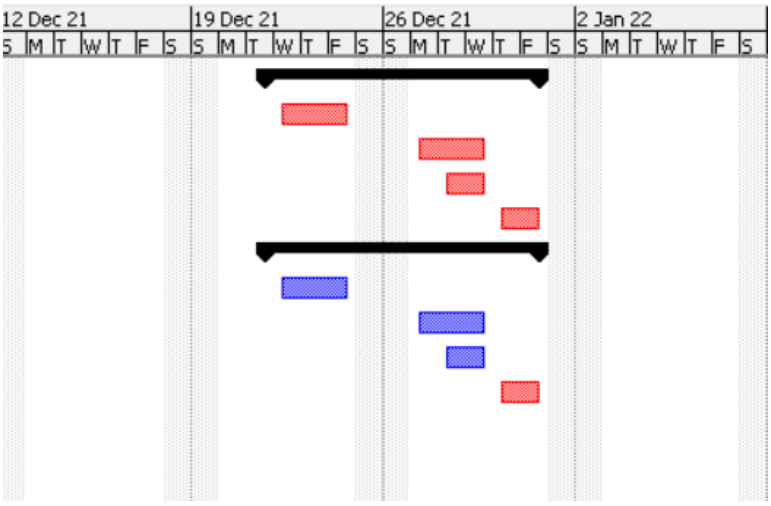
		Name	Duration	Start	Finish	Predecessors	Resource Names
96		Creating Footer and Header, Navigation	2 days?	11/7/21 5:00 PM	11/9/21 5:00 PM		
97		Creating Widgets for Story, Search Panel	3 days?	11/7/21 5:00 PM	11/10/21 5:00 PM		
98		**Mobile**	4 days?	**11/4/21 5:00 PM**	**11/10/21 5:00 PM**		
99		Notification System Front	3 days?	11/4/21 5:00 PM	11/9/21 5:00 PM		
100		Creating Footer and Header, Navigation	2 days?	11/7/21 5:00 PM	11/9/21 5:00 PM		
101		Creating Widgets for Story, Search Panel	3 days?	11/7/21 5:00 PM	11/10/21 5:00 PM		
102		**Story Page**	6 days?	**11/9/21 5:00 PM**	**11/17/21 5:00 PM**	68	
103		**Backend**	6 days?	**11/9/21 5:00 PM**	**11/17/21 5:00 PM**		
104		Like/ Dislike Action	2 days?	11/9/21 5:00 PM	11/11/21 5:00 PM		
105		Comment Action	2 days?	11/11/21 5:00 PM	11/15/21 5:00 PM		
106		Report Action	2 days?	11/13/21 5:00 PM	11/16/21 5:00 PM		
107		Edit Story	2 days?	11/15/21 5:00 PM	11/17/21 5:00 PM		
108		**Frontend**	6 days?	**11/9/21 5:00 PM**	**11/17/21 5:00 PM**		
109		Creating Tree based Widget for Comment	2 days?	11/9/21 5:00 PM	11/11/21 5:00 PM		
110		Create and Edit Story Page	2 days?	11/11/21 5:00 PM	11/15/21 5:00 PM		
111		Google Maps API Connection	2 days?	11/13/21 5:00 PM	11/16/21 5:00 PM		
112		Create Comment Page	2 days?	11/15/21 5:00 PM	11/17/21 5:00 PM		
113		**Mobile**	6 days?	**11/9/21 5:00 PM**	**11/17/21 5:00 PM**		
114		Creating Tree based Widget for Comment	2 days?	11/9/21 5:00 PM	11/11/21 5:00 PM		
115		Create and Edit Story Page	2 days?	11/11/21 5:00 PM	11/15/21 5:00 PM		
116		Google Maps API Connection	2 days?	11/13/21 5:00 PM	11/16/21 5:00 PM		
117		Create Comment Page	2 days?	11/15/21 5:00 PM	11/17/21 5:00 PM		
118		**Profile Page**	8 days?	**11/17/21 5:00 PM**	**11/29/21 5:00 PM**	68	
119		**Backend**	8 days?	**11/17/21 5:00 PM**	**11/29/21 5:00 PM**		
120		Follow/Unfollow	2 days?	11/17/21 5:00 PM	11/19/21 5:00 PM		
121		Edit Profile Information	2 days?	11/19/21 5:00 PM	11/23/21 5:00 PM		
122		View Shared Stories by User	2 days?	11/21/21 5:00 PM	11/23/21 5:00 PM		
123		View Liked Stories	2 days?	11/23/21 5:00 PM	11/25/21 5:00 PM		
124		Report Action	2 days?	11/25/21 5:00 PM	11/29/21 5:00 PM		
125		**Frontend**	6 days?	**11/17/21 5:00 PM**	**11/25/21 5:00 PM**		
126		Edit and View Only Profile Page Design	2 days?	11/17/21 5:00 PM	11/19/21 5:00 PM		
127		Followers and Following List Design	2 days?	11/19/21 5:00 PM	11/23/21 5:00 PM		



		Name	Duration	Start	Finish	Predecessors	Resource Names
128		Settings Page Design	2 days?	11/21/21 5:00 PM	11/23/21 5:00 PM		
129		Stories Shared and Stories Liked Tab Design	2 days?	11/23/21 5:00 PM	11/25/21 5:00 PM		
130		**Mobile**	**6 days?**	**11/17/21 5:00 PM**	**11/25/21 5:00 PM**		
131		Edit and View Only Profile Page Design	2 days?	11/17/21 5:00 PM	11/19/21 5:00 PM		
132		Followers and Following List Design	2 days?	11/19/21 5:00 PM	11/23/21 5:00 PM		
133		Settings Page Design	2 days?	11/21/21 5:00 PM	11/23/21 5:00 PM		
134		Stories Shared and Stories Liked Tab Design	2 days?	11/23/21 5:00 PM	11/25/21 5:00 PM		
135		**Search System**	**10 days?**	**11/30/21 8:00 AM**	**12/13/21 5:00 PM**	**68;102;118**	
136		**Backend**	**10 days?**	**11/30/21 8:00 AM**	**12/13/21 5:00 PM**		
137		Search Engine	10 days?	11/30/21 8:00 AM	12/13/21 5:00 PM		
138		Filter Search Results	10 days?	11/30/21 8:00 AM	12/13/21 5:00 PM		
139		**Frontend**	**2 days?**	**11/30/21 8:00 AM**	**12/1/21 5:00 PM**		
140		Google Maps API for searching	2 days?	11/30/21 8:00 AM	12/1/21 5:00 PM		
141		Search Page Design (Filters, Sort, etc.)	2 days?	11/30/21 8:00 AM	12/1/21 5:00 PM		
142		**Mobile**	**2 days?**	**11/30/21 8:00 AM**	**12/1/21 5:00 PM**		
143		Google Maps API for searching	2 days?	11/30/21 8:00 AM	12/1/21 5:00 PM		
144		Search Page Design (Filters, Sort, etc.)	2 days?	11/30/21 8:00 AM	12/1/21 5:00 PM		
145		**Explore Page**	**12 days?**	**12/7/21 5:00 PM**	**12/23/21 5:00 PM**		
146		**Backend**	**12 days?**	**12/7/21 5:00 PM**	**12/23/21 5:00 PM**		
147		Recommendation System	10 days?	12/7/21 5:00 PM	12/21/21 5:00 PM		
148		Map Integration	4 days?	12/17/21 5:00 PM	12/23/21 5:00 PM		
149		**Frontend**	**5 days?**	**12/7/21 5:00 PM**	**12/14/21 5:00 PM**		
150		Explore Page Design (tag,)	5 days?	12/7/21 5:00 PM	12/14/21 5:00 PM		
151		**Mobile**	**5 days?**	**12/8/21 8:00 AM**	**12/14/21 5:00 PM**		
152		Explore Page Design (tag,)	5 days?	12/8/21 8:00 AM	12/14/21 5:00 PM		
153		**Admin Page**	**8 days?**	**12/21/21 5:00 PM**	**12/31/21 5:00 PM**	**68;135**	
154		**Backend**	**8 days?**	**12/21/21 5:00 PM**	**12/31/21 5:00 PM**		
155		List All Reported Contents	3 days?	12/21/21 5:00 PM	12/24/21 5:00 PM		
156		Filter Reported Contents	3 days?	12/24/21 5:00 PM	12/29/21 5:00 PM		
157		Add to/ Remove from Black List	2 days?	12/27/21 5:00 PM	12/29/21 5:00 PM		
158		Add to Spam Folder	2 days?	12/29/21 5:00 PM	12/31/21 5:00 PM		



		Name	Duration	Start	Finish	Predecessors	Resource Names
159		**Frontend**	8 days?	**12/21/21 5:00 PM**	**12/31/21 5:00 PM**		
160		Admin Page Design (general)	3 days?	12/21/21 5:00 PM	12/24/21 5:00 PM		
161		Reported Content Pages (profile, story, commer	3 days?	12/24/21 5:00 PM	12/29/21 5:00 PM		
162		MailBox System and Inbox Page	2 days?	12/27/21 5:00 PM	12/29/21 5:00 PM		
163		Reporting tool	2 days?	12/29/21 5:00 PM	12/31/21 5:00 PM		
164		**Mobile**	8 days?	**12/21/21 5:00 PM**	**12/31/21 5:00 PM**		
165		Admin Page Design (general)	3 days?	12/21/21 5:00 PM	12/24/21 5:00 PM		
166		Reported Content Pages (profile, story, commer	3 days?	12/24/21 5:00 PM	12/29/21 5:00 PM		
167		MailBox System and Inbox Page	2 days?	12/27/21 5:00 PM	12/29/21 5:00 PM		
168		Reporting tool	2 days?	12/29/21 5:00 PM	12/31/21 5:00 PM		



RAM

(L)ead (A)pproval (S)econdary (C)ontributor (R)eviewer (N)one	Abdulkadir Elmacı	İsmail Ata İnan	Merve Rabia Barın	Onur Can Avcı	Yağız Efe Şabanoğlu	Umut Kocasarı	Hamza Akyıldız	Erencan Uysal	Ramazan Bulut	Gökhan Çapan
Communication										
Communicating with TA	S	L	S	S	S	S	S	S	S	C
Creating Communication Plan	C	C	C	C	C	C	C	C	C	N
Taking Meeting Notes	C	C	C	C	N	C	C	C	N	N
Creating Slack for Team Communication	C	C	C	L	C	C	L	C	C	N
Project Repository										
Creating Personal Wikipages	L	L	L	L	L	L	L	L	L	N
Research About Favourite GitHub Repos	C	C	C	C	C	C	C	C	C	N
Wikipage Designing	C	L	C	C	C	C	C	C	C	N
Requirements										
Researching Platforms Similar to Our Project	C	C	C	L	L	C	C	C	C	N
Requirement Elicitation	C	C	C	R	R	R	C	R	R	A
Determining Questions	N	N	N	N	N	L	R	L	L	N
Customer Meeting with TA	C	C	C	C	C	C	C	C	C	C
Creating Glossary	L	N	R	N	N	N	L	N	N	N
Adding Non-Functional Requirements	L	C	C	R	R	R	C	R	R	N
Adding Functional Requirements	C	L	L	R	R	R	L	R	R	N
Reviewing The Requirements After Mockups	R	R	R	N	N	N	L	N	N	N
App Name										
Recommending an App Name	C	C	C	C	C	C	C	C	C	N
Scenarios										
Research on Scenarios	C	C	C	C	C	C	C	C	C	N
Creating User Scenario	C	N	C	N	N	N	N	C	N	A
Creating Admin Scenario	N	N	N	N	C	N	C	N	C	A
Creating Guest Scenario	N	C	N	C	N	C	N	N	N	A
Mockups										
Research on Mockups	C	C	C	C	C	C	C	C	C	N
Creating User Mockups	C	N	C	N	N	N	N	C	N	N
Creating Admin Mockups	N	N	N	N	C	N	C	N	C	N
Creating Guest Mockups	N	C	N	C	N	C	N	N	N	N
System Design										
Creating Use Case Diagram	R	C	C	C	R	C	C	C	R	A
Creating Class Diagram	C	R	C	R	C	R	C	C	C	A
Creating Sequence Diagram	R	C	R	C	C	C	R	R	C	A
Research on System Design	C	C	C	C	C	C	C	C	C	N
Milestone Report #1										
Executive Summary	N	L	N	N	N	N	N	L	N	N
List and Evaluation of the Status Of Deliverables	N	N	L	N	N	N	N	N	N	N
Evaluation of Tools and Processes	N	N	N	N	N	N	L	N	N	N
Writing Summary of Work Done	L	L	L	L	L	L	L	L	L	N
Preparing Project Plan	S	C	C	L	L	C	C	C	S	N
Preparing RAM	L	N	N	S	S	N	N	N	L	N
Converting Deliverables to PDF and Uploading	N	N	N	N	N	L	N	N	N	N