CmpE 352

Milestone 1 Report

Group 9

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1. Executive Summary

1.1. Introduction

In this project, our goal is to create a platform where people can post their memories, stories and experiences where main focus is on time and location. Our users are able to post whatever they want (as long as they don't contradict with our rules), comment on these posts, like them. Posts can include pictures, sounds, videos. Tag feature helps us and users to make users interact with the posts they are curious about. Filtering on time is another option which is really important. Also people are free to follow each other and see their posts on their main page. When an interaction happens(such as if someone liked your post) a notification will be sent to the user. Another feature is that posts, comments, users can be reported and the report will be sent to an admin to be reviewed. There will be a web site of the project and a mobile(Android) platform.

1.2. Project Status

5 steps are followed to bring the project to its current status. These steps are setting up infrastructure, determining requirements, creating scenarios and mockups, software desing with UML and preparing project plan and responsibility assignment matrix. In each step, the group members worked together and developed the project. So far, the focus was on the design of the project.

First step of the project was setting up infrastructure. In this step, team members got to know each other. The wiki page of the project was organized. Each member prepared a personal wiki page on GitHub. A communication plan was prepared. GitHub issues are specialized. Different GitHub repositories were researched and documented so that good features of these repositories can be used in our project’s repository. Git was studied by group members so that when working on it, we can be more comfortable. Briefly, we got to know each other and worked on our project’s GitHub repository.

Second step was determining requirements. In requirements, the features of the software were determined. User types and their capabilities were documented. Determining the requirements is an important part of the software engineering because implementation and design of the project depends on the requirements. In this step, many requirements were found but in next steps, there are changes and additions to the requirements. While working on the project, requirements are updated.

Third step was creating scenarios and mockups. Three different scenarios and mockups were decided. These were Creating Posts, Viewing Posts and Searching and Filtering Posts. When creating these scenarios and mockups, requirements were followed, and the design of the project was visualized. In creating posts case, a registered user creates a post. In viewing posts case, a registered user views a post

and interacts with it. In searching and filtering posts, a guest user uses search and filter to find a post and then, signs up to interact with the post.

Fourth step was software design with UML. Three different diagrams were prepared for this step. These were use case diagram, class diagram and sequence diagram. Implementation of the project was visualized by using these diagrams to understand the concept of the project better. Use case diagram explains the interactions of the actors and the system. Class diagram explains the object-oriented model. The classes and the relations between them were shown in class diagram. Sequence diagram explains interactions sequentially. The operations between objects were shown in sequence diagrams.

Last step was preparing project plan and responsibility assignment matrix (RAM). In project plan, ProjectLibre was used, and the focus was to learn preparing a plan by using a project management software. The tasks that were used in project plan were used to create RAM. This matrix shows the responsibility that each member took throughout the project. Also, in this step, future plan of the project were discussed and the tasks distributed among group members.

After all these steps, the project came to its current state. Each member of the group contributed each step and the foundations of the project were established.

1.3. Moving Forward

Until now, we have worked on the core structure of the project. We have created a guideline to help us continue with the implementation. We have worked on our project with joy and enthusiasm. We will keep our enthusiasm and move on with the next phase of our project. Our next main step will be the *implementation* of the project. So, we have decided to start with determining the teams: Android, Frontend and Backend. We have set the teams in Project Plan and RAM but these themes are *tentative* until we start implementing. We will then decide on the software tools we will use as a team. Before we start implementing, we will review the Requirements and decide on how to implement them. Each week, we will hold Backend, Frontend, Android and general team meetings. To develop a consistent and reliable software, we decided to use CI/CD method. We will be continuosly implementing and testing our codes in every 14 days. We have learned that planning is the most important part of creating a product as a team. Therefore, we will keep planning ahead and learning from the mistakes we make along the process. Each lecture and meeting will help us minimize our mistakes and learn more. We are eager to learn and excited to move on with the next part of our project.

2. List and Status of Deliverables

Deliverable Name	Delivery Status	Due Date	Delivery Date
Communication Plan	Delivered	March 30, 2021	March 29, 2021
Meeting Notes	In Progress	-	-
Requirements	Delivered	April 6, 2021	April 6, 2021
Scenarios & Mockups	Delivered	April 20, 2021	April 19, 2021
Software Design Documents	Delivered	April 30, 2021	April 30, 2021
Project Plan	In Progress	May 9, 2021	-
Responsibility Assignment Matrix	In Progress	May 9, 2021	-

3. Evaluation of Deliverables

3.1. Communication Plan

At first we explored numerous communication tools such as Discord, Trello, Zoom to determine which is the most functional tool for our communication. We then decided that our main communication tool to be Discord and created a communication plan wiki page. One of the group members set up a Discord channel and we created separate channels for meetings, recommended github pages and specific tasks. We hold a general meeting on Discord Every Wednesday at 21.00 but some weeks hold more than a meeting. Furthermore, our TA can reach our Discord channel and he inform us about some issues from Discord. We hold our customer meetings with TA on Zoom and he sends Zoom links on our Discord channel. We use WhatsApp for urgent communication.

3.2. Meeting Notes

One of the group members takes notes at each meeting to document what the meeting topic is and what tasks are assigned to group members. All meeting notes can be viewed in our wiki page.

3.3. Requirements

First of all, we discussed which requirements should be included in our project at the group meeting and we wrote their contents by dividing these requirements among the group members. We made changes and additions to the requirements after the customer meeting according to TA's feedbacks. We also modified it many times afterwards.

3.4. Scenarios and Mockups

We created 3 scenarios which were likely to show our project's wide range of features and functionalities by getting seperated into 3 groups each of which was responsible for a specific scenario. Each group got together and created a corresponding mockup. We dealt with different users and showed the mockup flow on both web and mobile application. For demonstration purposes, we used draw.io, a tool for creating sketches and diagrams and the result was very pleasing to the eye and it served well to the purpose of showing our project's features.

3.5. Software Design Documents in UML

We decided to properly learn the UML. After that, we got to work, thought of different classes and each group member was assigned with two or three class diagrams and one sequence diagram, describing and event in detail. We decided to use draw.io again because it contained the necessary tools for UML diagrams. After the first phase of preparing diagrams, we reviewed them with the TA and decided on maintaining a standard and correcting our mistakes.

- Class Diagrams: After each member completed their diagrams, we got together on Discord and using draw.io, we merged them into one big diagram, which included the relations between them.
- Use Case Diagrams: On one meeting, we drew the use case diagrams together on draw.io. We tried to cover as many use cases as possible.
- Sequence Diagrams: Each member prepared a sequence diagram concerning a certain action. We reviewed them with the TA and made some adjustments thereafter.

In every stage of the work done related to UML, we stayed in contact as a group and talked to each other when necessary.

3.6. Project Plan & RAM

In the Meeting 11, we have prepared the baseline of our project plan together using the ProjectLibre environment. To be able to extract the past work of our project done by each member, we have reviewed the personal and common tasks tables in each of our meeting notes and the issues of the project.
We have completed the project plan by planning our future work collaboratively in the Meeting 12 collaboratively. We have also completed the responsibility assignment matrix (RAM) in that meeting, using Google Sheets.

4. Evaluation of Tools and Processes

4.1. Evaluation of Tools

4.1.1. GitHub

GitHub is our main platform for developing the project. We upload everything that should be tracked to our GitHub repository. Meeting notes, project plans, mockups, diagrams are some examples. GitHub allows us to work in a collaborative manner. We use GitHub Wiki for documentation and markdown allows us to create nicely formatted documents. However, uploading images to wiki pages is a little tricky. We need to provide a URL of the image to upload but generally the images are at our local environment. To solve this, we first upload the image in an issue without submitting the issue. This provides a valid URL for the image and we can use it to upload to the wiki. There are too many pages in our wiki, so we use wiki sidebar to group related pages and access them easily. Seeing history of changes in repository is also very beneficial. Also, the tasks for the project are tracked via GitHub issues. We assign different labels for different tasks, so we can classify them. Some of these labels are used to indicate difficulty or priority of the task. Assigning people to an issue allows us to know who will complete the task. Furthermore, it is very easy to filter issues according to dates, assignees, labels, etc. GitHub discussions also seem very beneficial for brainstorming. So far, we have not observed an important problem related to GitHub.

4.1.2. diagrams.net (draw.io)

Former name of the tool is draw.io. We created our mockups and uml diagrams via diagrams.net . The website is free and there are good prebuilt components for mockups. We could open multiple tabs and work on different tasks in parallel. The tool also allows us to copy some pieces from other tabs. This feature helps us create basic drafts first, and then edit them according to our tasks. We store the diagrams in Google Drive and it is easy to access them without downloading. Also, it is very easy to understand and use the tool. The only problem is that the connection arrows are sometimes a little hard to control; they connect to points different than wanted. This problem costed us some time, but the tool is adequate in general. Most importantly, it has good features that makes collaboration easy.

4.1.3. Discord

Discord is an app that allows communication via text, sound and video. We use Discord mostly for our team meetings and assignment-related conversations. We also communicate with our TA via Discord sometimes. Discord allows us to create multiple text channels. So, we can find what we have discussed easily. Also, multiple voice channels are available, and we can run multiple meetings simultaneously. We use screen sharing during our meetings frequently to discuss and review our work.

We can also pin important messages to access them easily later. Discord satisfies our needs well.

4.1.4. Trello

Trello is a good tool for organizing and distributing project tasks, setting deadlines and tracking them. Tasks can be easily classified. It has a better visual flair than Github Issues. On the other hand, we must use GitHub Issues for project management. We used Trello as an additional tool for some time, but it became a burden to manage GitHub Issues and Trello at the same time. Trello might become useful when we start programming the app, because programming tasks require more detailed management.

4.1.5. Zoom

We use Zoom to meet with our TA. We do not observe communication issues related to Zoom and we're able to share our screens. However, free version of Zoom does not allow meetings longer than 40 minutes and this becomes a problem sometimes. If our meeting does not end, we restart the Zoom session.

4.1.6. Doodle Polls

Doodle is a poll tool to schedule meetings as a team. We used it to determine our regular meeting time. Each person was able to select the best time slots for herself and we were able to pick a meeting time slot with majority vote. We used another poll to determine meeting time slot with TA.

4.1.7. WhatsApp

We use WhatsApp to discuss minor things. All team members check WhatsApp frequently. On the other hand, discussions on WhatsApp are hard to track because there is only one channel. So, WhatsApp should not be overused for project management. There is no problem about WhatsApp other than trackability.

4.1.8. ProjectLibre

ProjectLibre is an open-source project management software. We think that it is a little complicated to use the tool, but it could also be related to the inherent complexity of project management and planning. Currently, the tool is not web-based, and it does not allow to work collaboratively at the same time. ProjectLibre Cloud is under development, but it seems that it will be a paid product. The user interface is not very visually appealing and user friendly. We also detected some strange translations to Turkish. However, the tool has many options that allow representing the real-world cases well. It is easy to download and use ProjectLibre on different platforms. We have not detected important bugs related to the tool.

4.2. Evaluation of Processes

4.2.1. Team Meetings

In team meetings, we discuss how tasks should be distributed and review work of previous tasks. We complete some tasks together during these meetings when the task is hard to divide. We use screen sharing extensively to achieve this. Also, tools like diagrams.net allows us to work in a collaborative manner. A team member takes notes during these meetings and share the notes. This is very beneficial in case someone cannot join the meeting for some reason. Our meetings usually take one or two hours. When we do not work on some task collaboratively, meetings may take around thirty minutes.

4.2.2. TA Meetings

In TA meetings, our teaching assistant gives us feedback about our project and we ask our questions. These meetings are very beneficial for us to understand the tasks and our shortcomings. We usually hold TA meetings once a week.

4.2.3. Issue Creation

After we distribute tasks during meetings, each person creates her own issues and assigns herself. This way, we ensure that each person is also responsible for documenting and tracking her own duties.

5. Individual Work

Name	Work Done
Mert Alkan	• Created a personal Wiki page. • Done research on different GitHub repositories. • Studied Git. • Created Wiki Home Page. • Ranked the projects from the list given. • Examined similar softwares to our project and wrote about it. • Created User, Admin, Guest and Availability requirements. • Wrote questions to be asked to customer. • Researched about UML • Took part in creating scenario for creating posts. • Took part in creating mockups for creating posts. • Created Post, Like and Media class diagrams. • Created sequence diagram about signing up. • Contributed to combining the Class Diagrams, Sequence Diagrams and Use Case Diagrams in meeting. • Created the introduction part of Executive Summary. • Contributed to RAM, Project Plan and to the future plan of the project. • Attended to all meetings. • Took notes on meeting 5.

Name	Work Done
Ahmet Melih Aydoğdu	• Created a personal Wiki page. • Done research on different GitHub repositories. • Learned Git. • Took Lecture Notes on 30 March 2021. • Arranged Customer Meeting. • Communicated with Assistant. • Read project descriptions and ranked them. • Created Sign Up, Sign In and Database sections of user requirements. • Examined similar software products. • Prepared question for customer. • Reviewed and made changes in requirements. • Took part in creating Scenario for Creating Posts. • Took part in creating Mockups for Creating Posts. • Created Admin, User and Guest classes for class diagram. • Created a sequence diagram for Sing In case and revised it. • Researched about UML. • Contributed to combining Class Diagram, Sequence Diagrams and Use Case Diagram in meeting. • Modified and finalized Class Diagram. • Contributed to RAM and Project Plan, and discussed about the future plan of the project in meeting. • Wrote the "Project Status" part of the Executive Summary. • Created my part of the "Individual Work" in Milestone Report. • Attended all customer and regular group meetings. • Took notes in meetings 4 and 6.

Name	Work Done
Zehranaz Canfes	• Created a personal Wiki page. • Created labels for the issues. • Done research on different GitHub repositories. • Learned Git and documented it. • Made a comparison between Slack and Discord. • Examined similar software to our project. • Prepared several questions to ask the customer and asked them. • Created Guest Entry, Creating Posts, Security and edited Following and Commenting sections of the Requirements later. • Took part in creating Scenario for Creating Posts. • Took part in creating Mockups for Creating Posts. • Created Classes for Comment and Tag in class diagram. • Created Sequence Diagrams for Search User and Search Location. • Contributed to combining Class Diagram, Sequence Diagrams and Use Case Diagram in meeting. • Wrote the "Moving Forward" part of the Executive Summary. • Added Table of Contents to the report and exported it into PDF. • Contributed to RAM, Project Plan and thought/discussed about the future plan of the project. • Created my part of the "Individual Work" in Milestone Report. • Attended all customer and regular group meetings. • Taken notes in meetings 3 and 7.
Mustafa Emir Çolak	• Created the README file • Created a personal Wiki page • Done research on github repositories • Put personal favorite repo on wiki • Created following users and viewing posts requirements • Prepared some questions for the customer meeting • Helped on viewing posts scenario • Created the Location and Mention class diagrams • Created commenting sequence diagram • Took the notes of meeting 8 • Reviewed the list and status of deliverables • Contributed to RAM and Project Plan • Attended group and customer meetings

Name	Work Done
Ömer Barış Erkek	• Created a personal wiki page • Created a Trello account for our team • Done research on Github repositories • Rated the possible projects • Examined similar software to our project • Prepared a question to ask the customer and asked it • Created Commenting and Rating Posts and Report sections of the Requirements • Contributed to scenario and mockups for Viewing Posts • Created Time and Notification classes in the class diagram • Created Viewing Posts sequence diagram • Contributed to combination of classes in the Class Diagram • Contribued to Use Case Diagram • Contributed to Lists and Status of Deliverables section of Milestone Report • Contributed to RAM and Project Plan • Created my part of the "Individual Work" in Milestone Report • Attended group meetings and the customer meeting. • Taken notes in meeting 9

Name	Work Done
Kadir Kalkan	• Created personel wiki page • Created communication plan page • Created Doodle for selection of meeting slots • Did research on Git • Ranked the projects for project selection • Created searching and filtering requirements • Prepared questions to be asked to customer • Examined similiar softwares to our project and commented about it • Contributed mockups for viewing posts • Created report and follow classes for class diagram • Created create post sequence diagram • Contributed to integration of sequence diagrams • Contributed to use case diagram • Did research on UML • Took the notes of meeting 10 • Wrote communication plan, meeting notes and requirements parts of evaluation of deliverables • Contributed to Project Plan, RAM and discussed about the future plan of the project • Created my part of the "Individual Work" in Milestone Report • Attended group and customet meetings
Melih Özcan	• Did research on Git • Picked out favourite Git repositories and put them on our GitHub wiki • Created a sidebar for the wiki page in GitHub to make it easier to navigate • Created and documented the user notification, privacy and viewing posts requirements • Helped on the explore page scenario • Helped create a mockup for the mentioned scenario • Created a mock flow of the scenario with draw.io • Created the Sign In and Saved Posts class diagrams • Created reporting sequence diagram • Helped in assembling different class diagrams • Helped in creating use case diagrams • Took the notes of meeting 11 • Helped in creating the project plan and talked about our future plans • Attended group meetings, customer and weekly • Created issues on our repo

Name	Work Done
Ahmet İbrahim Şentürk	• Creating personal wiki page • Creating the research wiki page about GitHub repositories • Conducting research on GitHub repositories and GitHub basics • Documenting the sign up, sign in and recommendation requirements • Conducting research on similar software products • Preparing questions to ask the customer and asking them • Creating a team board on Trello • Examining different mockup platforms • Creating the searching and filtering scenario • Creating the android and web mockups for searching and filtering scenario • Creating the sign up and share class diagrams • Creating the sequence diagram for viewing a user's profile • Updating user to registered user on requirements wiki page • Completing and uploading the use case diagram to wiki • Took the notes of meeting 12 • Contributing to RAM and Project Plan in the meeting 11-12 and thought/discussed about the future plan of the projects • Keeping repo, wiki and issues organized • Attending customer and all of the group meetings

Name	Work Done
Niyazi Ülke	• Created personal Wiki page • Researched for good GitHub repositories and studied Git • Created a format for rating project options and rated them • Examined similar software products and compared them with our system • Documented response time and maintenance requirements, did minor edits to keep requirements organized • Prepared questions to the customer • Examined mockup tools • Participated in creating "Searching and Filtering" Scenario • Participated in creating web and Android mockups for "Searching and Filtering Scenario" • Created diagrams of Search and Filter classes • Created sequence diagram of "Follow a User"(#7) • Contributed to preparation of use case diagram • Contributed to integration of seperate class diagrams • Attended all team, customer, TA meetings • Contributed to RAM and Project Plan • Wrote evaluation of tools and processes (4) in Milestone Report 1 • Took notes on Meeting 1,2 and customer meeting • Created meeting report template

6. Deliverables

6.1. Communication Plan

Atendees	Medium	Time	Purpose
All team members	Discord, Trello	Every Wednesday @ 21.00	General Meeting
All team members	Whatsaap, Discord	Anytime	Urgent Communication
All team members	Discord, Trello	Thursday @ 21.00	Alternative General Meeting
All team members and TA	Zoom	Every Tuesday @ 15.00	Meeting with TA

6.2. Requirements

Glossary

- **Admin:** The administrator of the project who evaluates the reported posts and who is responsible of management.
- **Guest:** The people visiting the app but not yet signed up.
- **Report:** Informing against a content that may be inappropriate to the admins to be evaluated and deleted if necessary.
- **Sign in:** Entering the application by providing the correct password and email.
- **Sign up:** Creating an account via providing email, username, password to use the application not as a guest.
- **Registered User:** The people who have signed up.

1. Functional Requirements

1.1 User Requirements

- **1.1.1 User Types**
  - **1.1.1.1 Registered User**
    - **1.1.1.1.1** Registered Users shall be able to fill their profile page with their information.
    - **1.1.1.1.2** Registered Users shall be able to create post, edit their own posts, comment on posts, like posts, save posts, report posts and users, and follow users and locations.
    - **1.1.1.1.3** Registered Users shall be able to view posts.
    - **1.1.1.1.4** Registered Users shall receive notifications about their interactions.
    - **1.1.1.1.5** Registered Users shall be able to sign in by using their username or email, and password.
    - **1.1.1.1.6** Registered Users shall be able to sign out.
    - **1.1.1.1.7** Registered Users shall be able to search and filter the posts.
  - **1.1.1.2 Admin**
    - **1.1.1.2.1** Admins shall be able to check on posts and users.
    - **1.1.1.2.2** Admins shall be able to revise reports of inappropriate content.
    - **1.1.1.2.3** Admins shall be able to ban users.
    - **1.1.1.2.4** Admins shall be able to remove a post.
    - **1.1.1.2.5** Admins shall be able to remove a comment in a post.
    - **1.1.1.2.6** Admins shall be able to message users.
  - **1.1.1.3 Guest**
    - **1.1.1.3.1** Guests shall be able to review the main page.
    - **1.1.1.3.2** Guests shall be able to view posts.
    - **1.1.1.3.3** Guests shall be able to search and filter the posts.
    - **1.1.1.3.4** Guests shall be asked to sign up for posting, commenting, liking, reporting, saving posts and following users and locations.
    - **1.1.1.3.5** Guests shall be able to sign up(1.1.2.1).
- **1.1.2 User Interactions**

- **1.1.2.1 Sign Up**
  - **1.1.2.1.1** Guests shall be able to sign up as a user via providing their name, surname and e-mail address, and choosing a username and password.
  - **1.1.2.1.2** Guests shall be able to sign up via their Google or Facebook accounts.
  - **1.1.2.1.3** Terms of use must be accepted to sign up.
- **1.1.2.2 Sign In**
  - **1.1.2.2.1** Users shall be able to sign in with their username or e-mail address and password.
  - **1.1.2.2.2** There shall be a "Forgotten Password" button in case user forgets her password.
  - **1.1.2.2.3** There shall be a "Remember Me" option to save login information in local.
- **1.1.2.3 Guest Entry**
  - **1.1.2.3.1** Guests shall be able to enter the application without signing up.
  - **1.1.2.3.2** Guests shall be able to filter and search to find interesting posts.
  - **1.1.2.3.3** Guests shall be able to see a post if it is public.
  - **1.1.2.3.4** Guests should sign up to be able to comment and like the posts.
  - **1.1.2.3.5** Guests should sign up to be able to report a post.
- **1.1.2.4 Creating Posts**
  - **1.1.2.4.1** Users shall be able to create posts by selecting a location.
  - **1.1.2.4.2** Users shall allow location services to find their current location and add a story to it.
  - **1.1.2.4.3** Users shall be able to add pictures to their stories.
  - **1.1.2.4.4** Users shall be able to choose to share their posts via other social platforms after they create them.
  - **1.1.2.4.5** Users should add date and time to their posts as they remember their memories. This date and time can be in the form as the user remembers it. They can be entered at the desired specific level.
  - **1.1.2.4.6** Users shall be able to tag other people to their stories.
  - **1.1.2.4.7** Users shall be able to tag their stories with specific topics.
  - **1.1.2.4.8** There shall be a create post button in both android and web at the end of the main page.
- **1.1.2.5 Viewing Posts**
  - **1.1.2.5.1** Users shall be able to view public posts on a location selected by them.
  - **1.1.2.5.2** Users shall be able to view the posts of the users, places and tags that they follow.
  - **1.1.2.5.3** For all posts there will be a counter that counts the views it receives.
- **1.1.2.6 Searching and Filtering**

        - **1.1.2.6.1** Users shall be able to search for other users and locations using search bar.
        - **1.1.2.6.2** Users shall be able to search for posts posted at a spesific time and date using search bar.
        - **1.1.2.6.3** Users shall be able to filter posts based on location, date and specific labels.
        - **1.1.2.6.4** A time slider shall be available in order to see posts in different dates and times.
    - **1.1.2.7 Commenting and Liking Posts**
        - **1.1.2.7.1** Users shall be able to leave comments on the posts.
        - **1.1.2.7.2** Users should be able to reference other comments, posts, or users in their comments.
        - **1.1.2.7.3** Users shall be able to like posts by clicking a button.
        - **1.1.2.7.4** Users shall be able to like comments under a post.
- **1.1.2.8 Saving Posts**
    - **1.1.2.8.1** Users shall be able to save the posts that they like to easily access them later.
- **1.1.2.9 Following**
    - **1.1.2.9.1** Users shall be able to follow the users with public profiles.
    - **1.1.2.9.2** Users shall be able to send follow requests to private profiles.
    - **1.1.2.9.3** Users shall also be able to follow specific places.
    - **1.1.2.9.4** Posts from followed users or posts that contain the followed places or tags will show up on the user's main page.
    - **1.1.2.9.5** Users should send request to a private account to follow them.
    - **1.1.2.9.6** Users will be able to follow a private account only if the owner of the private account approves the follow request.
- **1.1.2.10 User Profile Page**
    - **1.1.2.10.1** Users shall be able to edit their bios and other information that is displayed.
    - **1.1.2.10.2** Users shall have a feed to display their activities.
    - **1.1.2.10.3** Users shall be able to choose whether the profile page will be accessible to other people and to which extent.
- **1.1.2.11 Notification**
    - **1.1.2.11.1** Users shall be notified when they come across a place that is registered in the app's database. (You are passing by Mithat Alam Film Merkezi).
    - **1.1.2.11.2** Users shall be notified when the anniversary of a certain event comes near.
    - **1.1.2.11.3** Users shall be notified for an upcoming or a past event nearby including a contact.
    - **1.1.2.11.4** Users shall be notified in the case that they are not too active on the app on a regular basis.
    - **1.1.2.11.5** Users with private account will receive notification when they receive a follow request.
    - **1.1.2.11.6** Users shall be notified when someone starts to follow them.
    - **1.1.2.11.7** Users shall be notified when someone likes their posts.
    - **1.1.2.11.8** Users shall be notified when someone comments on their posts.

- **1.1.2.12 Reporting**
    - **1.1.2.12.1** Users shall be able to report users, posts, or comments that they seem inappropriate.
    - **1.1.2.12.2** Report of a content shall notify admins.

1.2 System Requirements

- **1.2.1 Sign Up**
    - **1.2.1.1** Guests should be able to sign up via Google or Facebook accounts.
    - **1.2.1.2** System shall request name, surname, e-mail address, username and password from guests who sign up.
    - **1.2.1.3** Users shall verify their email addresses after signing up.
- **1.2.2 Sign In**
    - **1.2.2.1** Users should be able to sign in via Google or Facebook accounts.
    - **1.2.2.2** System shall request username or e-mail address and password from users who sign in.
    - **1.2.2.3** There shall be a "Forgotten Password" option.
        - **1.2.2.3.1** System shall request user's username or e-mail address. Then, system shall send an e-mail to reset the password.
    - **1.2.2.4** There shall be a "Remember Me" option to save login information in local.

2. Non-Functional Requirements

2.1 Privacy

- **2.1.1** Users shall be granted with many options to ensure privacy.
    - **2.1.1.1** Users shall be able to choose for whom their activities will be visible to.
    - **2.1.1.2** Users shall be able to choose the permissions granted to the app such as tracing one's location and so on.
- **2.1.2** Users shall be informed about our privacy policy.
    - **2.1.2.1** There will be a users' agreement (privacy policy) page related to our privacy policy.

2.2 Security

- **2.2.1** The user passwords should be encrypted in the database.
    - **2.2.1.1** User passwords should be at least 8 characters long and should contain at least 1 uppercase letter, 1 number, 1 symbol.
    - **2.2.1.2** User passwords should not contain the user's username.
- **2.2.2** A verify email should be sent to the user if password change is requested. Until the user verifies the change, the password should not be changed.

- **2.2.3** Admins should change their passwords every 180 days. This should be reminded to the admin via email.
- **2.2.4** After 4 unsucessful password entries, the users should verify that it was them by clicking the verification link sent to them via email.
    - **2.2.4.1** Until the verification is done, the user can't enter the app.
    - **2.2.4.2** After the verification, the users should reset their passwords.

2.3 Database

- **2.3.1** Users' data shall be stored in database.
- **2.3.2** Users' passwords shall be stored encrypted in database.
- **2.3.3** Users' activities shall be stored in database.

2.4 Availability

- **2.4.1** There should be a web interface for the project.
    - **2.4.1.1** Known web browsers(such as Chrome, Opera, Firefox, Microsoft Edge, Safari) should support the web site.
- **2.4.2** There should be a android-based mobile app for the project.
    - **2.4.2.1** Newer than Android x.x.x should support the mobile app.

2.5 Performance

- **2.5.1 Response Time**
    - **2.5.1.1** Response time shall be short enough not to harm interactivity. Exact limits will be determined.
    - **2.5.1.2** Reducing the response time for users(1.1.1.1) should be prioritized over others.
- **2.5.2 Maintenance**
    - **2.5.2.1** Users shall be informed about content and time of the maintenance as early as possible.
    - **2.5.2.2** Measures shall be taken to shorten the downtime as much as possible.

6.3. Scenarios and Mockups

6.3.1. Creating Posts

Persona

Nuri Bilge Ceylan is 62 years old. He is graduated from Boğaziçi University, Department of Electrical and Electronics Engineering.
However, he is not an engineer, he is a film director, screenwriter and photographer.
He was not a bright student but he was passionate about art.
He improved himself in cinema, art and philosophy thanks to cinema club and university's library.
He wants to inspire future generations by sharing his memories and experiences.

Preconditions

- User is signed up and logged in.
- User is on the main page.

Goals

- Nuri Bilge Ceylan wants to post a story.
- He wants to create a post and add multimedia to it.

Acceptance Criteria

- **1.1.2.4.1**: Users shall be able to create posts by selecting a location.
- **1.1.2.4.2**: Users shall allow location services to find their current location and add a story to it.
- **1.1.2.4.3**: Users shall be able to add pictures to their stories.

- **1.1.2.4.4**: Users shall be able to choose to share their posts via other social platforms after they create them.
- **1.1.2.4.5**: Users should add date and time to their posts as they remember their memories. This date and time can be in the form as the user remembers it. They can be entered at the desired specific level.
- **1.1.2.4.6**: Users shall be able to tag other people to their stories.
- **1.1.2.4.7**: Users shall be able to tag their stories with specific topics.
- **1.1.2.4.8**: There shall be a create post button in both android and web at the end of the main page.

Scenario

1. Nuri Bilge Ceylan returns home from a alumni meeting.
2. He lays down to get some rest, then a moment from university comes up to his head which reminds him cinema club of the university.
3. He starts to think about it, he thinks about his good memories and how he decided to be film director.

Mockups

Android

1. He is on the main page and clicks on the create post button.

2. He chooses Bogazici University as location to add to his story.

3. He adds the date as "1982, December".

4. He then tags his friends to the story, so that they remember that day together.

5. He tags specific topics to the story.

6. He clicks on "Multimedia" and chooses a picture of university.

7. He writes down his thoughts and memories about the university and adds a title.

8. He clicks on "post" and posts the story. Then, he reviews his own post after posting.

Web

1. He is on the main page and clicks on + button to post a story.

2. He is on the creation page. He specifies the information of the story. (Specifying the information steps are the same ones for mobile app)

3. He clicks the post button and now is on the page of the published story.

References

- https://www.hurriyet.com.tr/gundem/vapur-sefer-saatlerinde-degisiklik-40839878
- http://evvel.org/rexx-reks-sinemasi-kapandi
- http://www.leblebitozu.com/eski-beyoglunu-anlatan-mutlaka-okumaniz-gereken-11-oyku/

- https://haberler.boun.edu.tr/tr/haber/dunya-kentlerini-gezen-duvarlarin-otesinde-projesi-bogazicinde
- https://tanitim.boun.edu.tr/nuri-bilge-ceylan
- https://tr.wikipedia.org/wiki/Nuri_Bilge_Ceylan
- https://universityinnovation.org/wiki/School:Boğaziçi_University
- https://en.wikipedia.org/wiki/Boğaziçi_University

6.3.2. Viewing Posts

Persona

Alex is a 28 years old software developer working at Google. He is a hardworking person but he often gets distracted.
Although Alex loves his job, he can easily get bored at work. Moreover, he sometimes gets tired of the heavy workload.
He is a long time user of our app, so when he gets bored or tired, he opens the app and reads stories of his friends and the other people that he follows.

Preconditions

- Alex is a user of our app.
- Alex has logged in to the app and his login credentials are saved.
- Alex follows some people, places and tags.

Goals

- To end his boredom, Alex wants to view location stories of people/places/tags that he follows, he also wants to see details and comments of the posts that he is interested in.
- He wants to interact with the posts by commenting on them and liking them.
- He also wants to help the community by reporting inappropriate content and marketing.

Acceptance Criteria

- **1.1.2.5.2** Users shall be able to view posts of the users that they follow.
- **1.1.2.9.4** Posts from followed users or posts that contain the followed places or tags will show up on the user's main page.
- **1.1.2.7.1** Users shall be able to leave comments on the posts.
- **1.1.2.7.3** Users shall be able to like posts.
- **1.1.2.12.1** Users shall be able to report users, posts, or comments that they seem inappropriate.

Scenario

1. After he's confident his manager is not around, Alex opens the app on his phone or work computer.
2. As he has already logged in, he is redirected to the main page where he can see the posts of the users, places, and tags that he follows.
3. He skims through the posts, likes the posts of his friends because he is a good friend.

4. He sees a highly rated story from his friend in which she talks about her trip to Istanbul two years ago. Only two photos and the first few lines of the post are shown on the main page.
5. He clicks on the post to see its full text, images, and comments.
6. After reading the post, looking at the images, and reading the comments; he comments about the Hagia Sophia photo that she took.
7. He also likes the story, because he enjoyed reading her experiences and also he liked the photos that she took .
8. He returns to the main page. While scrolling, he sees a post that has an advertisement.
9. He reports it to the admins.

Mockups

Android

1. Homepage:

2. Post Details:

11:55PM
Charlotte Miller
10 minutes ago
Hagia Sophia
2019
I sat in a very cute cafe with sea view in Ortaköy. I ate baked potato, which the Turks call Kumpir, in Ortaköy. Ortaköy Mosque view was incredible.
Like
Comment
Share
Lily Roberts 3 hr ago
I visited Istanbul about 10 years ago, it was a really exciting trip.
George Taylor 3 hr ago
You take nice photos.
Emly Evens 3 hr ago
I also sat in a very nice cafe in Ortaköy.
Hagia Sophia looks imposing. I am planning to visit one day too.

3. Reporting:

11:55PM
Jacob Dav
New Yo
Report for ad
Report for inappropriate content
McDonald's
I want to share with you an incident that happened to me at a McDonad's branch in New York last year. McDonald's is more than a restaurant. It's a symbol for everything burger-related, even though no one I know truly loves their burgers. Actually, its reputation for nearly everything... Continue Reading
43 views
Like
Comment
Share
Thomas Wilson 1 hour ago
Canada
2018

11:55PM
Jacob
This post is actually an advertisement disguised as a location story. It is promoting the brand McDonald's.
Report
Canada
2018

Web

1. Homepage:

2. Post Details:

3. Reporting:

Group 9
www.group9.com
Search
Group 9
Jacob Davis
3 hr ago
New York
2021
English
I want to share with you an incident that happened to me at a McDonad's branch in New York last year. McDonald's is more than a restaurant. It's a symbol for everything burger-related, even though no one I know truly loves their burgers. Actually, its reputation for nearly everything... Continue Reading
McDonald's
Reporting Reason:
Marketing
Inappropriate Content
4
2
Thomas Wilson
3 hr ago
Canada
2018
Travel
English
There are high mountain ranges, sparse plateaus, desert-like areas, forested valleys, stunning lakes, seemingly endless prairies, modern cities, as well as a tremendous assortment of flora and fauna. Not to mention, there's a Tim Hortons in almost every city and town across the country... Continue Reading
766
8

Group 9
www.group9.com
Search
Group 9
Jacob Davis
3 hr ago
New York
2021
English
I want to share with you an incident that happened to me at a McDonad's branch in New York last year. McDonald's is more than a restaurant. It's a symbol for everything burger-related, even though no one I know truly loves their burgers. Actually, its reputation for nearly everything... Continue Reading
Reporting Reason:
This post is actually an advertisement disguised as a location story. It is promoting the brand McDonald's.
Report
4
Canada
766
8

References

Image References

Profile photos

Istanbul picture

Hagia Sophia picture

First ad

Second ad

First picture of first Homepage post

Second picture of first Homepage post

First picture of second Reporting post

Second picture of second Reporting post

Travelling Blog

Münich

McDonald's

Canada

6.3.3. Searching and Filtering Posts

Persona

Mehmet Kaya is 22 years old. He studies Political Science at Boğaziçi University. Mehmet loves basketball, literature and history. He is very curious and intelligent. He likes to learn about other people's life experiences.
For some time, he has been wondering how student life at Boğaziçi University has changed in years.

As he is interested in sports, he needs to answer some questions like:

1. What type of sports events were held?
2. How students participated in these events?
3. How did sports grounds at the university change?

Preconditions

- Not signed up

Goals

- Wants to learn about past sports events at Boğaziçi University by reading posts.
- Wants to comment on a post.

Acceptance Criteria

- 1.1.1.3.1 Guests should review the main page and shall be asked to sign up for posting, commenting (things that users can do) etc.
- 1.1.2.4.5 Users shall be able to add date and time to their posts as they remember their memories. This date and time may be in the form as the user remembers it.
- 1.1.2.5.1 Users shall be able to view public posts on a location selected by them
- 1.1.2.6.2 Users shall be able to search for posts posted at a spesific time and date using search bar.
- 1.1.2.6.3 Users shall be able to filter posts based on location, date and specific labels.
- 1.2.1.2 System shall request name, surname, e-mail address, username and password from guests who sign up.
- 1.2.1.3 Users shall verify their email addresses after signing up.
- 1.2.6.4 A time slider shall be available in order to see posts in different dates and times.

Scenario

Mehmet was born a researcher, so he visits the library hoping to find some information on the topic. Unfortunately, he only finds boring documents.
He hears about the app from a friend, but wants to check it before signing up.

1. Mehmet wants to see the posts at Bogazici university, so from explore page, he zooms in to see Bogazici University closer.
2. He realizes that there are too many stories posted from Bogazici University, so, he decides to use filters to see the posts that interest him more.
3. Mehmet uses the sports tag since he is interested in basketball first.
4. But again, Mehmet is not happy with the results, there are too many of them.
5. Mehmet then uses the slider to filter the dates of the stories, he wants to see the stories from 2019 when there were heaps of friendly football games between universities.
6. He then clicks to see the details of a story from the results and starts reading it.
7. He gets goosebumps while reading the story of the Sultans game wishing to be a member of that team, and wants to like the post.
8. However because he is a guest user system does not allows him to like a post and navigates him to the sign-up page.
9. He then enters his name, surname, username, e-mail and password.
10. After that, the e-mail verification page is opened.
11. Mehmet opens his mailbox, then sees the e-mail coming from the site.
12. He then clicks the link for verification and the site navigates him to the story page, he can like it now!

Mockups

Android

1. Mehmet starts exploring posts.

2. Mehmet filters sports stories.

3. Mehmet uses calendar and slider to filter by date.

4. Now, there are 3 relevant posts left. Mehmet clicks on one of them to see the preview.

5. Mehmet clicks on the post again to see it.

6. He wants to make a comment and clicks the comment button. However, he's a guest. He has to sign up first.

7. He fills in the fields to sign up.

8. After signing up, he is redirected to the post.

9. He is now able to like the post.

Web

1. Mehmet starts exploring posts.

2. Mehmet filters sports stories.

3. Mehmet uses calendar and slider to filter by date.

4. Now, there are 3 relevant posts left. Mehmet clicks on one of them to see the preview.

5. Mehmet clicks on the post again to see it.

6. He wants to make a comment and clicks the comment button. However, he's a guest. He has to sign up first.

7. He fills in the fields to sign up.

8. After signing up, he is redirected to the post.

9. He is now able to like the post.

References

Source of photo

6.4. Software Design Documents in UML

6.4.1. Use Case Diagram

It can be viewed by this link.

6.4.2. Class Diagram

It can be viewed by this link.

6.4.3. Sequence Diagrams

6.4.3.1. View a User's Profile

Actor: Guest, Registered User or Admin

Preconditions: None

Actions:

- Clicks on a profile to see the see the user's profile page.

6.4.3.2. View Posts on Homepage

Actor: Registered User or Admin

Preconditions:

- User is registered to the application
- Their login credentials are saved.
- They follow some people, places, or tags

Actions:

- Opens app/website to see their homepage

6.4.3.3.Report

Actor: Registered User ,Admin or Guest

Preconditions:

- User is registered to the application

Actions:

- Report a post that one thinks is inappropriate

6.4.3.4. Sign up

Actor: Guest

Preconditions:

- Since this is user, he/she is not logged in.

Actions:

- Writes down an username, password, email and his/her name surname.

6.4.3.5. Sign in

Actor: Registered User/Admin

Preconditions:

- Registered User/Admin is not logged in.

Actions:

- Enter username or email, and password. Then, sign in.

6.4.3.6. Comment

Actor: Registered User or Admin

Preconditions:

- User is registered to the application.
- Their login credentials are saved.
- They are at the page of a post.

Actions:

- User comments on a post.

6.4.3.7. Follow A User

Actor: Registered User

Preconditions:

- The user is signed in and is checking profile of another user.

Actions:

- Clicks the follow button.

6.4.3.8. Search a User

Actor: Guest, Registered User or Admin

Preconditions:

- The user is on search page for users.

Actions:

- Writes a user name and searchs for users with that name.

6.4.3.9. Search Posts Containing a Location

Actor: Guest, Registered User or Admin

Preconditions:

- The user is on explore page for locations.

Actions:

- Writes a location name and searchs for posts with that location.

6.4.3.10. Create Post

Actor: Registered User or Admin

Preconditions:

- User is registered to the application.

Actions:

- Clicks to create post button

6.5. Project Plan

		Ad	Süre	Balat	Bitirme	Önceki	Kaynak Adlar
1		**Infrastructure Setup**	**7 günler**	**23.03.2021 12:00**	**30.03.2021 12:00**		
2		Personal Wiki Page	7 günler	23.03.2021 12:00	30.03.2021 12:00		Everyone
3		Specialize Issues	7 günler	23.03.2021 12:00	30.03.2021 12:00		Zehranaz Canfes
4		Wiki Page for Researches	1 gün	23.03.2021 12:00	24.03.2021 12:00		Ahmet brahim entürk
5		Research Github Repos	6 günler	24.03.2021 12:00	30.03.2021 12:00	4	Everyone
6		Study Git	7 günler	23.03.2021 12:00	30.03.2021 12:00		Everyone
7		Modify README	7 günler	23.03.2021 12:00	30.03.2021 12:00		Mustafa Emir Çolak
8		Communication Plan	7 günler	23.03.2021 12:00	30.03.2021 12:00		Kadir Kalkan
9		Create Trello Account	7 günler	23.03.2021 12:00	30.03.2021 12:00		Ömer Bar Erkek
10		Create Wiki Home Page	2 günler	23.03.2021 12:00	25.03.2021 12:00		Mert Alkan
11		Create Wiki Side Bar	5 günler	25.03.2021 12:00	30.03.2021 12:00	10	Melih Özcan
12		Comparison between Discord and Slack	7 günler	23.03.2021 12:00	30.03.2021 12:00		Zehranaz Canfes
13		Create Doodle for Meeting Time	7 günler	23.03.2021 12:00	30.03.2021 12:00		Kadir Kalkan
14		Take Lecture Notes	0,083 günler	30.03.2021 10:00	30.03.2021 12:00		Ahmet Melih Aydodu
15		Project Selection	1,5 günler	30.03.2021 12:00	01.04.2021 00:00		Everyone
16		**Requirements**	**5 günler**	**02.04.2021 12:00**	**07.04.2021 12:00**	**15**	
17		User, Admin, Guest, Availability Requir...	5 günler	02.04.2021 12:00	07.04.2021 12:00		Mert Alkan
18		User requirements of Sign Up, Sign In a...	5 günler	02.04.2021 12:00	07.04.2021 12:00		Ahmet Melih Aydodu
19		Guest Entry, Creating Posts, Security R...	5 günler	02.04.2021 12:00	07.04.2021 12:00		Zehranaz Canfes
20		Viewing Posts, Following Users Require...	5 günler	02.04.2021 12:00	07.04.2021 12:00		Mustafa Emir Çolak
21		Commenting and Rating Posts, Report ...	5 günler	02.04.2021 12:00	07.04.2021 12:00		Ömer Bar Erkek
22		Chatting, Searching, Filtering Requirem...	5 günler	02.04.2021 12:00	07.04.2021 12:00		Kadir Kalkan
23		User Profile Page, Notification, Privacy ...	5 günler	02.04.2021 12:00	07.04.2021 12:00		Melih Özcan
24		System Requirements of Sign Up, Sign I..	5 günler	02.04.2021 12:00	07.04.2021 12:00		Ahmet brahim entürk
25		Response Time, Maintenance Requirem...	5 günler	02.04.2021 12:00	07.04.2021 12:00		Niyazi Ülke
26		Manage Trello	7 günler	02.04.2021 12:00	09.04.2021 12:00		Ahmet brahim entürk
27		Research Similar Software Products	7 günler	02.04.2021 12:00	09.04.2021 12:00		Everyone
28		Meeting Report Template	7 günler	02.04.2021 12:00	09.04.2021 12:00		Niyazi Ülke
29		Formulate Questions to the Client	7 günler	02.04.2021 12:00	09.04.2021 12:00		Everyone
30		Reviewing Requirements	2 günler	07.04.2021 12:00	09.04.2021 12:00	17;18;1...	Ahmet Melih Aydodu;Zehra...
31		**Customer Meeting**	**6,5 günler**	**09.04.2021 12:00**	**16.04.2021 00:00**	**16;29**	
32		Arranging Meeting	2,5 günler	09.04.2021 12:00	12.04.2021 00:00		Ahmet Melih Aydodu
33		Meeting (Asking Questions)	0,042 günler	14.04.2021 21:00	14.04.2021 22:00		Everyone
34		Taking Notes	0,042 günler	14.04.2021 21:00	14.04.2021 22:00		Niyazi Ülke

CMPE 352 - Project Plan- Sayfa1

		Ad	Süre	Balat	Bitirme	Önceki	Kaynak Adlar
35		Adding Answers of Questions to Wiki	1,083 günler	14.04.2021 22:00	16.04.2021 00:00	33;34	Niyazi Ülke
36		**Scenarios and Mockups**	**7 günler**	**13.04.2021 12:00**	**20.04.2021 12:00**	**16**	
37		Create Scenario for Creating Posts	4 günler	13.04.2021 12:00	17.04.2021 12:00		Mert Alkan;Ahmet Melih Ayd...
38		Create Scenario for Viewing Posts	4 günler	13.04.2021 12:00	17.04.2021 12:00		Mustafa Emir Çolak;Ömer Ba...
39		Create Scenario for Explore Page	4 günler	13.04.2021 12:00	17.04.2021 12:00		Melih Özcan;Ahmet brahim ...
40		Check Mockup Tools	4 günler	13.04.2021 12:00	17.04.2021 12:00		Everyone
41		Create Mockups for Creating Posts	3 günler	17.04.2021 12:00	20.04.2021 12:00	37;38;39	Mert Alkan;Ahmet Melih Ayd...
42		Create Mockups for Viewing Posts	3 günler	17.04.2021 12:00	20.04.2021 12:00	37;38;39	Mustafa Emir Çolak;Ömer Ba...
43		Create Mockups for Explore Page	3 günler	17.04.2021 12:00	20.04.2021 12:00	37;38;39	Melih Özcan;Ahmet brahim ...
44		**Software Design with UML**	**10,479 gün...**	**20.04.2021 12:00**	**30.04.2021 23:30**	**16**	
45		**Classes for Class Diagrams**	**4,5 günler**	**20.04.2021 12:00**	**25.04.2021 00:00**		
46		Classes: Post, Like	4,5 günler	20.04.2021 12:00	25.04.2021 00:00		Mert Alkan
47		Classes: User, Admin, Guest	4,5 günler	20.04.2021 12:00	25.04.2021 00:00		Ahmet Melih Aydodu
48		Classes: Comment, Tag	4,5 günler	20.04.2021 12:00	25.04.2021 00:00		Zehranaz Canfes
49		Classes: Mention, Location	4,5 günler	20.04.2021 12:00	25.04.2021 00:00		Mustafa Emir Çolak
50		Classes: Time, Notification	4,5 günler	20.04.2021 12:00	25.04.2021 00:00		Ömer Bar Erkek
51		Classes: Report, Follow	4,5 günler	20.04.2021 12:00	25.04.2021 00:00		Kadir Kalkan
52		Classes: Saved Posts, Sign In	4,5 günler	20.04.2021 12:00	25.04.2021 00:00		Melih Özcan
53		Classes: Sign Up, Share	4,5 günler	20.04.2021 12:00	25.04.2021 00:00		Ahmet brahim entürk
54		Classes: Search, Filter	4,5 günler	20.04.2021 12:00	25.04.2021 00:00		Niyazi Ülke
55		**Sequence Diagrams**	**4,5 günler**	**20.04.2021 12:00**	**25.04.2021 00:00**		
56		Sequence Diagram: Sign up	4,5 günler	20.04.2021 12:00	25.04.2021 00:00		Mert Alkan
57		Sequence Diagram: Sign in	4,5 günler	20.04.2021 12:00	25.04.2021 00:00		Ahmet Melih Aydodu
58		Sequence Diagram: Search	4,5 günler	20.04.2021 12:00	25.04.2021 00:00		Zehranaz Canfes
59		Sequence Diagram: Comment	4,5 günler	20.04.2021 12:00	25.04.2021 00:00		Mustafa Emir Çolak
60		Sequence Diagram: View Post	4,5 günler	20.04.2021 12:00	25.04.2021 00:00		Ömer Bar Erkek
61		Sequence Diagram: Create Post	4,5 günler	20.04.2021 12:00	25.04.2021 00:00		Kadir Kalkan
62		Sequence Diagram: Report	4,5 günler	20.04.2021 12:00	25.04.2021 00:00		Melih Özcan
63		Sequence Diagram: View User Profile	4,5 günler	20.04.2021 12:00	25.04.2021 00:00		Ahmet brahim entürk
64		Sequence Diagram: Follow	4,5 günler	20.04.2021 12:00	25.04.2021 00:00		Niyazi Ülke
65		Learn UML for Use Case and Class Diag...	3 günler	25.04.2021 21:00	28.04.2021 21:00		Everyone
66		Add Sequence Diagrams to Wiki	3 günler	25.04.2021 21:00	28.04.2021 21:00	55	Everyone
67		Combining Class Diagram in Meeting	0,104 günler	28.04.2021 21:00	28.04.2021 23:30	45	Everyone
68		Combining Sequence Diagram in Meeting	0,104 günler	28.04.2021 21:00	28.04.2021 23:30	55	Everyone

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3 May 21
10 May 21
17 May 21
24 May 21
31 May 2
Niyazi Ülke
Mert Alkan;Ahmet Melih Aydodu;Zehranaz Canfes
Mustafa Emir Çolak;Ömer Bar Erkek;Kadir Kalkan
Melih Özcan;Ahmet brahim entürk;Niyazi Ülke
Everyone
Mert Alkan;Ahmet Melih Aydodu;Zehranaz Canfes
Mustafa Emir Çolak;Ömer Bar Erkek;Kadir Kalkan
Melih Özcan;Ahmet brahim entürk;Niyazi Ülke
Mert Alkan
Ahmet Melih Aydodu
Zehranaz Canfes
Mustafa Emir Çolak
Ömer Bar Erkek
Kadir Kalkan
Melih Özcan
Ahmet brahim entürk
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Mert Alkan
Ahmet Melih Aydodu
Zehranaz Canfes
Mustafa Emir Çolak
Ömer Bar Erkek
Kadir Kalkan
Melih Özcan
Ahmet brahim entürk
Niyazi Ülke
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		Ad	Süre	Balat	Bitirme	Önceki	Kaynak Adlar
69		Create Use-Case Diagram in Meeting	0,104 günler	28.04.2021 21:00	28.04.2021 23:30		Everyone
70		Modify Class Diagram	2 günler	28.04.2021 23:30	30.04.2021 23:30	67	Ahmet Melih Aydodu
71		Modify Use-Case Diagram	2 günler	28.04.2021 23:30	30.04.2021 23:30	69	Ahmet brahim entürk
72		Addition to Requirements	3 günler	25.04.2021 21:00	28.04.2021 21:00		
73		**Milestone Report**	**9 günler**	**01.05.2021 00:00**	**10.05.2021 00:00**	**1;16;31...**	
74		Executive Summary	9 günler	01.05.2021 00:00	10.05.2021 00:00		Mert Alkan;Ahmet Melih Ayd...
75		List and Status of Deliverables	9 günler	01.05.2021 00:00	10.05.2021 00:00		Mustafa Emir Çolak;Ömer Ba...
76		Evaluation of the status of deliverables	9 günler	01.05.2021 00:00	10.05.2021 00:00		Kadir Kalkan;Melih Özcan;Ah...
77		Evaluation of tools and processes	9 günler	01.05.2021 00:00	10.05.2021 00:00		Niyazi Ülke
78		Future Plan of the Project	5,875 günler	01.05.2021 00:00	06.05.2021 21:00		
79		Create Project Plan in Meeting	0,083 günler	06.05.2021 21:00	06.05.2021 23:00	78	
80		Responsibility Assignment Matrix	0,042 günler	07.05.2021 21:00	07.05.2021 22:00	78	
81		**Tools for Project**	**3,583 günler**	**17.05.2021 09:00**	**20.05.2021 23:00**	**73**	
82		Research for Tools	3,5 günler	17.05.2021 09:00	20.05.2021 21:00		Everyone
83		Tools for API	0,083 günler	20.05.2021 21:00	20.05.2021 23:00		Everyone
84		Tools for Backend	0,083 günler	20.05.2021 21:00	20.05.2021 23:00		Everyone
85		Tools for Frontend	0,083 günler	20.05.2021 21:00	20.05.2021 23:00		Everyone
86		Tools for Android	0,083 günler	20.05.2021 21:00	20.05.2021 23:00		Everyone
87		**Determining Teams**	**3 günler**	**20.05.2021 23:00**	**23.05.2021 23:00**	**81**	
88		Backend Team	3 günler	20.05.2021 23:00	23.05.2021 23:00		Mert Alkan;Ahmet Melih Ayd...
89		Frontend Team	3 günler	20.05.2021 23:00	23.05.2021 23:00		Mustafa Emir Çolak;Ömer Ba...
90		Android Team	3 günler	20.05.2021 23:00	23.05.2021 23:00		Melih Özcan;Ahmet brahim ...
91		**Reviewing Project**	**3 günler**	**24.05.2021 09:00**	**27.05.2021 09:00**	**87**	
92		Reviewing Requirements	1 gün	24.05.2021 09:00	25.05.2021 09:00		Everyone
93		Reviweing Scenarios and Mockups	1 gün	25.05.2021 09:00	26.05.2021 09:00		Everyone
94		Reviewing Diagrams	1 gün	26.05.2021 09:00	27.05.2021 09:00		Everyone
95		**Meetings**	**0,028 günler**	**30.05.2021 21:00**	**30.05.2021 21:40**	**87**	
96		Meeting for Backend Team	0,028 günler	30.05.2021 21:00	30.05.2021 21:40		Ahmet Melih Aydodu;Mert ...
97		**Meeting for Fronted Team**	**0,028 günler**	**30.05.2021 21:00**	**30.05.2021 21:40**		
98		Web Design	0,028 günler	30.05.2021 21:00	30.05.2021 21:40		Kadir Kalkan;Mustafa Emir Ç...
99		**Meeting for Android Team**	**0,028 günler**	**30.05.2021 21:00**	**30.05.2021 21:40**		
100		User Interface Design	0,028 günler	30.05.2021 21:00	30.05.2021 21:40		Ahmet brahim entürk;Meli...
101		**Implementation**	**14 günler**	**01.06.2021 09:00**	**15.06.2021 09:00**	**81;95**	
102		Backend	14 günler	01.06.2021 09:00	15.06.2021 09:00		Ahmet Melih Aydodu;Mert ...

		Ad	Süre	Balat	Bitirme	Önceki	Kaynak Adlar
103		Frontend	14 günler	01.06.2021 09:00	15.06.2021 09:00		Kadir Kalkan;Mustafa Emir Ç...
104		Android	14 günler	01.06.2021 09:00	15.06.2021 09:00		Ahmet brahim entürk;Meli...
105		**Continous Implementation and Tes...**	**21 günler**	**15.06.2021 09:00**	**06.07.2021 09:00**	**101**	
106		Testing	7 günler	15.06.2021 09:00	22.06.2021 09:00		Everyone
107		Debugging	7 günler	22.06.2021 09:00	29.06.2021 09:00		Everyone
108		Deployment using Docker	7 günler	29.06.2021 09:00	06.07.2021 09:00		Everyone
109		Final Report	1 gün	06.07.2021 09:00	07.07.2021 09:00	105	Everyone

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24 May 21
31 May

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21 Haz 21
28 Haz 21
5 Tem 21
12 Tem 21
19 Tem 21
26 Tem 21
2 Au 21
Kadir Kalkan;Mustafa Emir Çolak;Ömer Bar Erkek
Ahmet brahim entürk;Melih Özcan;Niyazi Ülke
Everyone
Everyone
Everyone
Everyone

6.6 RAM

L - Lead C - Contributor R - Reviewer N - None	Mert Alkan	Ahmet Melih Aydoğdu	Zehranaz Canfes	Mustafa Emir Çolak	Ömer Barış Erkek	Kadir Kalkan	Melih Özcan	Ahmet İbrahim Şentürk	Niyazi Ülke
Infrastructure Setup									
Personal Wiki Page	C	C	C	C	C	C	C	C	C
Specialize Issues	N	N	L	N	N	N	N	N	N
Wiki Page for Researches	C	C	C	C	C	C	C	L	C
Research Github Repos	C	C	C	C	C	C	C	C	C
Study Git	C	C	C	C	C	C	C	C	C
Modify README	N	N	N	L	N	N	N	N	N
Communication Plan	R	R	R	R	R	L	R	R	R
Create Trello Account	N	N	N	N	L	N	N	N	N
Create Wiki Home Page	L	N	N	N	N	N	N	N	N
Create Wiki Side Bar	N	N	N	N	N	N	L	N	N
Comparison between Discord and Slack	N	N	L	N	N	N	N	N	N
Create Doodle for Meeting Time	N	N	N	N	N	L	N	N	N
Take Lecture Notes	N	L	N	N	N	N	N	N	N
Project Selection	C	C	C	C	C	C	C	C	C
Requirements									
User, Admin, Guest, Availability Requirements	L	R	R	R	R	R	R	R	R
(User) Sign Up, Sign In and Database Requirements	R	L	R	R	R	R	R	R	R
Guest Entry, Creating Posts, Security Requirements	R	R	L	R	R	R	R	R	R
Viewing Posts, Following Users Requirements	R	R	R	L	R	R	R	R	R
Commenting and Rating Posts, Report Requirements	R	R	R	R	L	R	R	R	R
Chatting, Searching, Filtering Requirements	R	R	R	R	R	L	R	R	R
User Profile Page, Notification, Privacy Requirements	R	R	R	R	R	R	L	R	R

(System) Sign Up, Sign In and Recommendation Requirements	R	R	R	R	R	R	R	L	R
Response Time, Maintenance Requirements	R	R	R	R	R	R	R	R	L
Manage Trello	N	N	N	N	N	N	N	L	N
Research Similar Software Products	C	C	C	C	C	C	C	C	C
Meeting Report Template	N	N	N	N	N	N	N	N	L
Formulate Questions to the Client	C	C	C	C	C	C	C	C	C
Reviewing Requirements	R	R	R	R	R	R	R	R	R
Customer Meeting									
Arranging Meeting	N	L	N	N	N	N	N	N	N
Meeting (Asking Questions)	C	C	C	C	C	C	C	C	C
Taking Notes	N	N	N	N	N	N	N	N	L
Adding Answers of Questions to Wiki	N	N	N	N	N	N	N	N	L
Scenarios and Mockups									
Create Scenario for Creating Posts	C	C	C	R	R	R	R	R	R
Create Scenario for Viewing Posts	R	R	R	C	C	C	R	R	R
Create Scenario for Explore Page	R	R	R	R	R	R	C	C	C
Check Mockup Tools	R	R	R	R	R	R	R	R	R
Create Mockups for Creating Posts	C	C	C	R	R	R	R	R	R
Create Mockups for Viewing Posts	R	R	R	C	C	C	R	R	R
Create Mockups for Explore Page	R	R	R	R	R	R	C	C	C
Software Design with UML									
Classes for Class Diagrams									
Classes: Post, Like	L	R	R	R	R	R	R	R	R
Classes: User, Admin, Guest	R	L	R	R	R	R	R	R	R
Classes: Comment, Tag	R	R	L	R	R	R	R	R	R
Classes: Mention, Location	R	R	R	L	R	R	R	R	R
Classes: Time, Notification	R	R	R	R	L	R	R	R	R

Classes: Report, Follow	R	R	R	R	R	L	R	R	R
Classes: Saved Posts, Sign In	R	R	R	R	R	R	L	R	R
Classes: Sign Up, Share	R	R	R	R	R	R	R	L	R
Classes: Search, Filter	R	R	R	R	R	R	R	R	L
Sequence Diagrams									
Sequence Diagram: Sign up	L	R	R	R	R	R	R	R	R
Sequence Diagram: Sign in	R	L	R	R	R	R	R	R	R
Sequence Diagram: Search	R	R	L	R	R	R	R	R	R
Sequence Diagram: Comment	R	R	R	L	R	R	R	R	R
Sequence Diagram: View Post	R	R	R	R	L	R	R	R	R
Sequence Diagram: Create Post	R	R	R	R	R	L	R	R	R
Sequence Diagram: Report	R	R	R	R	R	R	L	R	R
Sequence Diagram: View User Profile	R	R	R	R	R	R	R	L	R
Sequence Diagram: Follow	R	R	R	R	R	R	R	R	L
Learn UML for Use Case and Class Diagrams	C	C	C	C	C	C	C	C	C
Add Sequence Diagrams to Wiki	C	C	C	C	C	C	C	C	C
Combining Class Diagram in Meeting	C	C	C	C	C	C	C	C	C
Combining Sequence Diagram in Meeting	C	C	C	C	C	C	C	C	C
Create Use-Case Diagram in Meeting	C	C	C	C	C	C	C	C	C
Modify Class Diagram	R	L	R	R	R	R	R	R	R
Modify Use-Case Diagram	R	R	R	R	R	R	R	L	R
Addition to Requirements	C	C	C	R	C	R	C	C	R
Milestone Report									
Executive Summary	C	C	C	R	R	R	R	R	R
List and Status of Deliverables	R	R	R	C	C	R	R	R	R
Evaluation of the status of deliverables	R	R	R	R	R	C	C	C	R
Evaluation of tools and processes	R	R	R	R	R	R	R	R	L
Future Plan of the Project	C	C	C	C	C	C	C	C	C
Create Project Plan in Meeting	C	C	C	C	C	C	C	C	C
Responsibility Assignment Matrix	C	C	C	C	C	C	C	C	C

Tools for Project									
Research for Tools	C	C	C	C	C	C	C	C	C
Tools for API	C	C	C	C	C	C	C	C	C
Tools for Backend	C	C	C	C	C	C	C	C	C
Tools for Frontend	C	C	C	C	C	C	C	C	C
Tools for Android	C	C	C	C	C	C	C	C	C
Determining Teams									
Backend Team	C	C	C	N	N	N	N	N	N
Frontend Team	N	N	N	C	C	C	N	N	N
Android Team	N	N	N	N	N	N	C	C	C
Reviewing Project									
Reviewing Requirements	C	C	C	C	C	C	C	C	C
Reviweing Scenarios and Mockups	C	C	C	C	C	C	C	C	C
Reviewing Diagrams	C	C	C	C	C	C	C	C	C
Meetings									
Meeting for Backend Team	C	C	C	N	N	N	N	N	N
Meeting for Frontend Team	N	N	N	C	C	C	N	N	N
Meeting for Android Team	N	N	N	N	N	N	C	C	C
Implementation									
Backend	C	C	C	N	N	N	N	N	N
Frontend	N	N	N	C	C	C	N	N	N
Android	N	N	N	N	N	N	C	C	C
Continous Implementation and Testing									
Testing	C	C	C	C	C	C	C	C	C
Debugging	C	C	C	C	C	C	C	C	C

Deployment using Docker	C	C	C	C	C	C	C	C	C
Final Report	C	C	C	C	C	C	C	C	C