Group 12

Milestone Report 1

BeABee - Self Development Platform

07.05.2021

Refika Kalyoncu
Adalet Veyis Turgut
Ömer Yılmaz
İhsan Gökcül
Gökay Yıldız
Doğukan Türksoy
Burakcan Kazım Yeşil
Batuhan Tongarlak
Kürşat Talha Berk Yamanoğlu

Table of Contents

Executive Summary **4**
- Project Description 4
  - The Track System 4
  - Social Features 5
- Project Status 5
- Moving Forward 6

List and status of deliverables **7**

Evaluation of Status of Deliverables **8**

Evaluation tools and processes **9**

Table of work done by each member **11**

Deliverables **16**
- **Communication Plan** **16**
- **Requirements** **16**
  - Glossary 16
  - 1 Functional Requirements 17
    - 1.1 User Requirements 17
    - 1.2 System Requirements 19
  - 2 Non-Functional Requirements 21
    - 2.1 Standards 21
    - 2.2 Security 21
    - 2.3 Portability 21
    - 2.4 Privacy 21
- **Scenarios** **22**
  - **Scenario #1** **22**
    - Mock-up for Web 25
    - Mock-up for Android 28
  - **Scenario #2** **34**
    - Mock-up for Web 36
    - Mock-up for Android 41
  - **Scenario #3.1: Creating Group Goal** **45**
    - Mock-up for Web 46
    - Mock-up for Android 48
  - **Scenario #3.2 Web: Joining Group Goal** **51**
    - Mock-up for Web 52
    - Mock-up for Android 56
  - **Scenario #4** **59**
    - Mock-up for Web 60
    - Mock-up for Android 62

Diagrams **64**
Use Case Diagram 64
Class Diagram 65
Sequence Diagrams 66
1. Creating a New Goal 66
2. Joining a Group With Invitation Code 66
3. Getting token for a group goal 67
4. Link a Task to a Question 67
5. Searching Goals in Marketplace 68
6. Creating a Task and Setting a Deadline 68
7. Extend Deadline For a Task 69
8. Rate a Completed Task 69
9. Search for Users 70
10. Follow a User 70
Project plan and RAM **71**
RAM 71
Project plan 79

Executive Summary

Project Description

BeABee is about self development. It is meant to help users to easily track their endeavors, goals about anything. It also aims to provide a limited social environment in which a user will be able to follow the development of another user if that user has permission for their profile or goals to be seen by the public.

The project will consist of an Android application, a website and a backend server.

The Track System

A user can create a Goal which they can later divide it into Subgoals and Subgoals of Subgoals. This behaviour allows users to split the Goal into many hierarchical Subgoals thus providing a flexible platform which can be used for any type of Goal. After the hierarchical structure is built, the user can link many types of entities to any level of the Goal Hierarchy.

The entities consist of Questions, Reflections, Tasks, and Routines. Once an Entity is registered to the system, the user can link it to the Goal itself, to any one or more of the Subgoals, or even to another Entity. This flexible and agile structure of the system allows users to create very unique Goal structures.

A Question is something that the user can use to note down their questions for them to find the answer later or to remind themselves about a confusing situation that they should keep in mind. They can assign a reminder to the question or they can link it to the other Entities or the other way around.

A Reflection is basically a note from the user to themselves which can be linked to the other Entities or to any point in the Goal Hierarchy. Because of its dynamic nature, it can serve various purposes thus being the best assist it can for various users with various working methods.

A Task is something that the user should do before a deadline. When creating a task, the user can set a deadline, link it to other entities to better understand the relation between other Entities, Subgoals and the Task. After the deadline of the Task, the user can extend the deadline or mark the Task as canceled if they didn't finish the task. They can give feedback to the Task about how well they were able to manage the task to later see the insights about their development process.

A Routine is very similar to a Task except it is not something that should be done once. Using a Routine, a user can track the things they should regularly do. When creating a Routine, the times that the Routine should be done must be clarified. The examples of the occurrence time can be every weekday between 09.00 and 10.00 or every wednesday evening between 19.00 and 20.00. Similar to the other Entities, any other entity can be linked to a Routine and vice versa.

The users can get insights and some analytics about their development process like how well they were able to follow the track in the last days.

Social Features

Besides the personal development track, the Project can be used to track a Group Goal. Users can create a Group Goal and share the Join Token with their future comrades for them to be able to join the Group Goal. The track system of the Group Goal is very similar to the personal Goal. The difference is that in the personal Goal all the Entities are automatically assigned to the owner, in the Group Goal there can be one or many assignees for any of the Entities which allows Group members to work together or separately according to the nature of the work in hand.

One additional feature is that sometimes it can be hard to prepare a Goal Track structure or the users might want to use a Goal Track that is prepared by somebody else. Whether it is a Goal the user just likes or a Goal that is prepared by a specialist, the user can pick a Goal Scheme from the Marketplace and create a copy of the Goal which they can later modify in their own interests. The marketplace is where the users can share their prepared Goal structure as a Scheme or browse through the Schemes created by other users and copy them.

Last but not least users can follow other users and their development process if they want to. A user can set their Goals or any Entities related to that Goal as public or private, which determines if another user will be able to see them or not. A user can search through other users and follow the public accounts. The following relationship is a one way relationship, the follower can see the information but they cannot make any comments to them. This is to prevent harassment and other negative effects on the self development of the user being followed.

Project Status

As a team of 9 students, we first got to know each other and determined the way of communication between each other. We set up a Slack workspace and a Discord server. We chose our communicator to be the connection between the team and the course staff. After our Git repository was created we were ready to start working together.

First things first we prepared a draft requirements document and prepared some questions for our customer. The first few meetings we weren't able to clarify the requirements, there were a few misunderstandings. Still after detecting the problems and misunderstandings about the requirements we were able to get on the same page with our customer. We created some scenarios and prepared mock-ups for these scenarios to further decrease the chance of misunderstandings between the customer and the development team.

After the requirement elicitation, we prepared a Use Case Diagram to see what our project should be able to do from the user point of view. Later we prepared our Class Diagram to see what our project should look like from the developer point of view. And lastly we created our Sequence Diagrams for various use case scenarios to see if the class structure we prepared meets the requirements of the use cases form the development point of view.

Moving Forward

We are now ready to plan the development process into Milestones which is going to be helpful during the development to see if we are on track. We are planning an Agile Development process meaning in each step of the development we will be in touch with the customer and iterate over the completed parts of the project both as the development team and with the customer.

The detailed project plan and later milestones will be documented.

List and Status of Deliverables

Name	Due	Delivery Date	Prepared by
Communication Plan	30.03.2021	30.03.2021	Ömer Yılmaz
Requirements	08.04.2021	08.04.2021	Everyone
Scenarios & Mockups	20.04.2021	20.04.2021	Everyone
Use case Diagram	30.04.2021	30.04.2021	Veyis Turgut, Gökay Yıldız, Ömer Yılmaz, Batuhan Tongarlak, İhsan Gökcül, Refika Kalyoncu, Berk Yamanoğlu
Class Diagram	30.04.2021	30.04.2021	Doğukan Türksoy, Burakcan Yeşil, Gökay Yıldız, Veyis Turgut, Refika Kalyoncu
Sequence Diagrams	30.04.2021	30.04.2021	Everyone
Project Plan & RAM	08.05.2021	08.05.2021	Veyis Turgut, Refika Kalyoncu, Burakcan Yeşil, Berk Yamanoğlu
Updating wiki page with all relevant information	09.05.2021	09.05.2021	Refika Kalyoncu

Evaluation of Status of Deliverables

Communication Plan

Even though we couldn't meet face to face yet, we fraternized quickly. We are always in touch on Whatsapp and Slack. We created different channels for different tasks in Slack so that we can inform each other. We generally use Whatsapp for chit chat. For meetings we use Zoom or Discord. We generally meet for job splitting after each assignment and for status review. We held a very high attendance record so far since we communicate before meetings and decide meeting times considering our availability.

Requirements

Requirements were determined with respect to the project description that we are given at first. After the initial creation we had our first customer meeting and requirements were updated according to that. Then with every feedback and information we got, requirements updated constantly. Requirements will be the main guideline for the implementation process.

User Scenarios and Mockup

Initially three different user scenarios were created by our group. Each scenario aimed to represent the core part of our project. Then, on the road, we realized that we could split some scenarios since they covered more than necessary features, thus, we split them. After creating the scenarios, we designed the required mockups for each scenario. Both Android and Web versions were represented in these mockups.

Design Diagrams

At first we started with Use Case and Class diagrams, since these are the input to sequence diagrams, and assigned both of these to different groups. We decided that one person from each scenario can draw the corresponding use-case diagram of their scenarios and another person can merge them later. For both of these diagrams, the design and drawing process took more time and effort then initially planned. Also when creating these two diagrams we had some significant feedback and updates about the project and requirements so we had to revise a major part of our diagrams. When we had nearly complete versions of these diagrams we started to work on Sequence Diagrams. We decided that every group member should draw a sequence diagram. These diagrams will enlighten our way while coding the project.

Project Plan & RAM

Creation of the Project Plan also started with some planning first. We divided into groups and assigned various parts of the Project Plan to groups so that we can work parallelly. Executive Summary and Evaluation Parts were to be done first. We first defined the tasks done so far and filled corresponding RAM. After that we decided which tasks we are gonna do later on, assigned appropriate members and estimated durations to complete. Finally we created a Gantt chart using Project Libre.

Evaluation of Tools and Processes

ProjectLibre

ProjectLibre was used for documenting the project plan and Gantt Chart. At first it was hard to adapt, but we learned some effective tricks in class. It automatically creates a corresponding Gantt Chart and highlights the critical path upon entering durations and dependencies of tasks.

It was disappointing that we couldn't work simultaneously on a single source file. Thus, sending ".pod (ProjectLibre file extension)" source files to each other upon updating the plan slowed down the process and created inconsistency.

Github

Github became our homeland while developing the project. We put our work to the wiki page and keep it updated. We can organize the wiki page as we like and observe older versions easily.

On the other hand, the issue system was vital in tracking our progress on tasks. We can add customizable labels, filter with respect to different parameters and comment related work done. We created a detailed guide to use issues here:
https://github.com/bounswe/2021SpringGroup12/blob/master/CONTRIBUTING.md

Briefly, GitHub was very useful in documenting the project and tracking our progress.

Draw.io

Draw.io is used for sequence and class diagrams. Since Draw.io is an online tool we worked simultaneously on a single file. In addition, it has various built-in templates for UML diagrams. Also, export as PNG option is extremely useful as diagrams are uploaded as PNG to the wiki page. It also provides convenience to the user while connecting and coloring the items.

LucidChart

LucidChart is another online drawing tool. We used it for use-case diagrams. LucidChart gives the opportunity for working simultaneously as well. Items can be moved, connected and colored easily. It also provides ease of editing.

Pencil Project

Pencil Project is used for web and android mockups. It has multiple collections for both web and android UI. Also it provides copying an area as a whole which provides ease of use when creating pages that are slightly different from each other.

Google Docs & Sheets

We used Google Docs & Sheets for collaborating. We used them for documenting our research, creating RAM, creating tables for software analysis, etc. They enabled us to observe our progress in real time. Furthermore, they have additional features like conditional formatting which we used for coloring cells when filling out RAM.

Table of Work Done by Each Member

Member	Works Done
Refika Kalyoncu	- Creating a discord channel - Creating personal wiki page - Searching favorite GitHub repositories - Research about "What is Version Control System" - Preparing the questions to customer - Setting up meeting with customer twice and all other meetings - Attending all the meetings - Taking and uploading all the meeting notes - Preparing the User Requirements - Revising User System Requirements - Creating mockup for scenario 1 - Use-case diagram for scenario 1 - Adding Get /set and other missing methods to class diagram - Preparing the Sequence diagram 1 - Adding resources to Project Plan part1 and part2 - Project Plan review - RAM Part1 - Reviewing RAM part2 - Reviewing the Milestone Report - Uploading the Milestone Report
Gökay Yıldız	- Research about Git as a version control system - Research about GitHub repositories - Research about Markdown - Creating the readme.md for the repository - Preparing own personal wiki page - Studying the project description and determining the requirements - Adding/modifying system requirements - Creating the scenario #4 and its corresponding mockups - Attending customer meeting - Preparing use case diagram for Scenario #4 - Preparing class diagram - Preparing a sequence diagram - Selecting the project name - Writing the part of RAM related to what we will do next in CmpE 352 - Writing the part of RAM related to what we will do next semester in 451

Veyis Turgut	- Attending all meetings - Customizing issue labels - Researching about version control system: "What is git? & Why git?" - Researching favourite GitHub repositories: "Flutter & Spring Boot" - Researching about markdown - Creating Slack channel - Preparing own personal wiki page - Preparing personal efforts page template - Studying the project description and analyzed requirements - Examined related software systems: "lifetick & productive app" - Documenting common and missing features table - Creating non-functional requirements - Revising user & system requirements after customer meetings - Creating scenario 2 and its web mockup - Use-case diagram for scenario 2 and merging all others - Final touches to class diagram - Preparing sequence diagram 2: "Joining a Group With Invitation Code" - Preparing and Filling RAM until Milestone 1 - Preparing project plan part1 - Merging project plan to a single file

Berk Yamanoglu	- Team Meetings - Git Research - Personal Wiki Page - Repository Research - Keeping Personal Effort page updated - Preparing custom side bar for wiki - Analyzing similar projects to beabee - Preparing draft requirement questions - Working on requirement questions with Refika - Attending customer meetings - Preparing a Scenario and its Android mock-up - Contribute to the Use-Case Diagram - Preparing Sequence-Diagram #7, 'Rate a Task' - Preparing Personal table of Work - Preparing Project Executive Summary for Milestone 1 - Determining the dependancies between tasks for Project Plan

Ömer Yılmaz	- Group Meetings - Researching about version control system - Researching favourite GitHub repositories - Researching about markdown - Creating personal wiki pages - Creating personal effort pages - Preparing Communication Plan - Listing preferences of projects - Examining related software systems - Creating common and missing features table - Requirements analysis - Creating system requirements - Creating/altering customer questions - Customer meetings - Creating Scenario #3.1 - General outlines of Mockup - Creating Web Mockup for Scenario #3.1 - Preparing Use Case Diagram - Preparing Sequence Diagrams - Preparing Ram part2

Batuhan Tongarlak	- Team meetings - Creating personal wiki page - Creating personal efforts page - Searching favorite github repositories - Research about "What is Version Control System" - Research about similar software projects - Creating and editing Glossary section of the Requirements - Attending all the meetings - Preparing the System Requirements - Creating mockup for scenario 1 - Use-case diagram for scenario 1 - Preparing the Sequence diagram 6 - Creating and arranging Milestone 1 Report - Attaining customer meetings - Creating the Efforts page and combine all members' efforts - Research about markdown

Doğukan Türksoy	- Group Meetings - Researching favourite GitHub repositories - Researching about markdown - Listing preferences of projects - Creating/altering customer questions - Creating favourite Github Repositories page - Creating personal wiki pages - Creating personal effort pages - Examining related software systems - Creating common and missing features table - Requirements analysis - Creating user requirements - Customer meeting #1 - Creating Scenario #2 - General outlines of Mockup - Creating Android Mockup for Scenario #2 - Preparing Use Case Diagram - Preparing Sequence Diagrams

İhsan Gökcül	- Attending all group and customer meetings - Research about Git as a version control system -Research about favorite GitHub repositories - Preparing meeting template - Keeping Personal Effort page updated - Preparing own personal wiki page - Studying the project description - Examining similar projects - Identifying non-functional requirements - Reviewing and revising requirements - Creating tables for similar project analysis results - Creating scenario #2 and its web mockup - Creating Use-case diagram for scenario #2 - Preparing sequence diagram #5 - Preparing personal table of work - Creating and arranging Milestone Report 1 - Research about markdown

Burakcan Kazım Yeşil	- Attending Group Meetings - Researching Favourite Github Repositories - Researching about Markdown - Study about Git as a VCS - Personal Wiki Pages - Examining Proposed Projects and Listing Preferences - Creating and maintaining Personal Effort Pages - Editing Wiki Home Pages - Researching and examining similar softwares. - Creating common and missing features table in relation to beabee - Reviewing requirements - Customer Meetings - Creating Scenario #3 - Preparing Class Diagram - Preparing Sequence Diagram #9 and #10 - Adding dates to Project Plan part2

`*Every member created his/her own table.`

Deliverables

Communication Plan

Who will participate	Where	Purpose	When
All Team Members are expected	Zoom,Discord, Google Meet	Discussion about tasks and distributing them.	Wednesday at 21.30
Necessary Team Members	Slack	For urgent issues	When necessary
All Team Members are expected	Slack	Weekly progress review	Sundays

Requirements

Glossary

- Content: Goals and goal-relevant posts of a user.
- Credentials: Users' identifiable information and details to log in.
- Encryption: The method by which information is converted into secret code that hides the information's true meaning.
- Entity: Comprehensive term for Task, Routine, Question and Reflection.
- Goal: Task or tasks that users can set and track their progress on the application.
    - Subgoal: A task that is a smaller part of a goal.
    - Description: A brief explanation of a particular goal.
    - Resource: Materials that can help users complete their goal.
- Guest: A user that hasn’t registered yet.
- Resources: Useful materials beneficial to achieve a specific goal.
- Reflections: General evaluation about experiences during a goal.
- Questions: A user's illustrative self-questions regarding a specific goal. They help users to clarify the path of their goals.
- Search: A tool that helps a user to find similar goals according to their input keywords.
    - Semantic Search: A search method that uses context to use the meaning of the search instead of the literal words.
- Semantic tag: Tag that defines the content of a goal clearly, used in semantic search.
- User: A person who uses the application to reach their goals.
    - Group: Multiple users who are working on a common goal.
- User Interface: The point of human-computer interaction and communication on a device or app.
- Visibility: A property which specifies a goal is whether private or public.

1 Functional Requirements

1.1 User Requirements

- 1.1.1 Guests
  - 1.1.1.1 Guests shall accept the Terms of Use and Privacy Policy in order to register.
  - 1.1.1.2 Guests shall enter their email, name, surname, and choose a password in order to sign up. Confirmation mail should be used in this process.
  - 1.1.1.3 Guests should be able to sign up using their Google accounts.
  - 1.1.1.4 Guests shall be able to search for both public goals and users using the marketplace.
- 1.1.2 Login
  - 1.1.2.1 Users shall be able to login by using their credentials. Credentials consist of e-mail addresses and password.
  - 1.1.2.2 Users should be able to login using their Google accounts.
  - 1.1.2.3 Users shall be able to reset their passwords in case of forgetting. Confirmation mail should be used in this process.
- 1.1.3 Users
  - 1.1.3.1 Users shall be able to add their goals which contain a title, a description and subgoal(s).
  - 1.1.3.2 Users shall be able to rate their efforts towards their tasks and routines after the deadline.
  - 1.1.3.3 Users shall be able to describe the practices that support these goals under the resources section.
  - 1.1.3.4 Users shall be able to view and assess their progress using the analytics section.
    - 1.1.3.4.1 Users should be able to filter these analytics with respect to time.
  - 1.1.3.5 Users shall be able to add the related resources to their goals.
  - 1.1.3.6 Users shall be able to track how well they are complying with their goals.
  - 1.1.3.7 Users shall be able to modify their goals.
    - 1.1.3.7.1 Users shall be able to modify the title of the goals.
    - 1.1.3.7.2 Users shall be able to modify the description of the goals.
    - 1.1.3.7.3 Users shall be able to modify visibility of the goals.
    - 1.1.3.7.4 Users shall be able to apply listed modifications to the sub-goals as well.

    - 1.1.3.8 Users shall be able to connect questions, relations, goals, subgoals, tasks, routines to others.
    - 1.1.3.9 Users shall be able to tag goals with semantic tags.
    - 1.1.3.10 Users shall be able to search goals in the marketplace. They may use tags while searching as well.
    - 1.1.3.11 Users shall be able to add goals that came out of the search to themselves.
    - 1.1.3.12 Users shall be able to delete goals.
    - 1.1.3.13 Users shall be able to tag items with semantic tags.
    - 1.1.3.14 Users should be able to mute and enable notifications.
    - 1.1.3.15 Users shall be able to see the contents of the other users they are following in their feed.
    - 1.1.3.16 Users shall be able to add questions.
    - 1.1.3.17 Users shall be able to add reflections.
- 1.1.4 Groups
    - 1.1.4.0 All group members shall be registered users.
    - 1.1.4.1 Users shall be able to invite others using a code. This action makes the goal a group goal.
    - 1.1.4.2 Members of the groups shall be able to rate their efforts towards subgoals or tasks after completing (or maybe failing to complete) them.
    - 1.1.4.3 Members of the groups shall be able to describe the practices that support this group goal under the resources section.
    - 1.1.4.4 Members of the groups shall be able to view and assess their progress using the analytics section.
    - 1.1.4.5 Members of the groups shall be able to add the related resources to the group goal.
    - 1.1.4.6 Members of the groups shall be able to track how well they are complying with their tasks.
    - 1.1.4.7 Members of the groups shall be able to modify the subgoals or tasks.
    - 1.1.4.8 Members of the groups shall be able to tag items with semantic tags.
- 1.1.5 Interaction Between Users
    - 1.1.5.1 Users shall be able to visit others' personal page if their visibility is set to public, and see their public goals and analytics.
    - 1.1.5.2 Users shall be able to follow other users.
    - 1.1.5.3 Users should be able to take notifications about the users they follow.

            - 1.1.5.3.2 These notifications should be about their new goals, feedbacks, tasks/routines.
            - 1.1.5.3.2 Users should be able to mute or enable these notifications.
- 1.1.6 User Interface
    - 1.1.6.1 Users shall be able to track their progress over time.
    - 1.1.6.2 Users shall be able to see their analytics related to their goals and effort expended on these goals.

1.2 System Requirements

- 1.2.1 Goals
    - 1.2.1.1 The system shall provide sub-goals for goals, and tasks and routines for sub-goals.
    - 1.2.1.2 The system shall provide a description segment for goals.
    - 1.2.1.3 The system shall make other people be able to join goals via invite link.
    - 1.2.1.4 The system shall take feedback from users about goals.
    - 1.2.1.5 The system shall provide resources section under goals. This section should take text, photo or question-answer as input.
    - 1.2.1.6 The system shall provide visibility options for goals.
- 1.2.2 Searching
    - 1.2.2.1 The system shall let the users and guests search for a goal or similar goals which have public visibility. Users shall use tags while searching as well.
    - 1.2.2.2 The system shall let the users and guests search for other users which have public visibility.
    - 1.2.2.3 The system shall support semantic search, which provides users to find semantically similar goals.
    - 1.2.2.4 The system should let the users to sort search results according to date from last to first or reverse and also according to popularity and alphabetically.
    - 1.2.2.5 The system shall show the users and guests popular and trending goals.
- 1.2.3 Notifications
    - 1.2.3.1 The system shall send notifications.
    - 1.2.3.2 The system shall notify users regarding development with respect to a plan or others' in case of collaborative contexts.
    - 1.2.3.3 The system shall notify users 1 hour before the start time of their tasks.
    - 1.2.3.4 The system shall notify users about the other users they follow.

        - 1.2.3.4.1 These notifications should be about new goals, feedbacks, tasks/routines of other users they follow.
    - 1.2.3.5 The system shall let users to mute or enable notifications.
- 1.2.4 Analytics
    - 1.2.4.1 The system shall provide analytics to users using their feedback to the taks-routines they performed (or failed to perform).
    - 1.2.4.2 The system should let users to filter these analytics with respect to time.
    - 1.2.4.3 The system shall provide analytics about activities that have common lifetimes.
    - 1.2.4.4 The system shall provide analytics about related activities.
- 1.2.5 Groups
    - 1.2.5.1 The system shall let users invite their friends using a code to a common goal.
    - 1.2.5.1 The system shall let users join their friends using a code.
- 1.2.6 Profile Management
    - 1.2.6.1 The system shall provide visibility options to users for their profiles.
    - 1.2.6.2 The system shall provide visibility options to users for each goal.
    - 1.2.6.3 The system shall let users to search for public accounts and goals.
    - 1.2.6.4 The system shall let users to view others' goals.
    - 1.2.6.5 The system shall let users to visit others' personal page if their visibility is set to public, and see their public goals and analytics.
    - 1.2.6.6 The system shall let users to follow other users.
- 1.2.7 Questions / Reflections
    - 1.2.7.1 The system shall let users create questions / reflections.
        - 1.2.7.1.1 The system shall let users create standalone questions / reflections.
        - 1.2.7.1.2 The system shall let users create questions / reflections under goals, subgoals, tasks or routines.
    - 1.2.7.2 The system shall let users to add other questions / reflections under questions / reflections page.
    - 1.2.7.2 The system shall let users to edit questions / reflections.
    - 1.2.7.3 The system shall let users to search questions / reflections.
    - 1.2.7.4 The system shall let users set reminders for questions.
    - 1.2.7.5 The system shall let users mark questions as resolved.
    - 1.2.7.6 The system shall provide visibility options for questions / reflections.

2 Non-Functional Requirements

2.1 Standards

- 2.1.1 The system shall use the W3C Activity Stream Standard 2.0 for subscriptions and notifications.
- 2.1.2 The system shall support semantic tags and these semantic tags should be supported with wikidata.org

2.2 Security

- 2.2.1 User passwords shall be encrypted before storing in the database using md5 or better hashing algorithms.
- 2.2.2 Personal information should be respected.
- 2.2.3 The system should use confirmation mail upon signing up and password resetting.
- 2.2.4 The System shall use HTTPS protocol.

2.3 Portability

- 2.3.1 The system should support modern web browsers.
- 2.3.2 Android application should support mid-tier mobile phones.

2.4 Privacy

- 2.4.1 Users should accept Privacy Policy and Terms Of Use when they sign up.
- 2.4.2 The System shall protect the user data under KVKK and GDPR rules.

Scenarios

Scenario #1

go to the picture

User and Persona

- Andy Dwyer
- Bootblack at Government Building
- 28 years old
- High-school Graduate
- Interested in music

Story

- Andy Dwyer is a bootblack at government building.
- When he realized that he lacked an intellectual life, he decided to act.
- One day, he asked his clients how he became more intellectual.
- He got a lot of advice and he needed to follow them on an organized platform.
- He wanted to create goals for himself, and wanted to find an application.
- He searched for a proper app and he found this application.

Preconditions for Web Scenario

- Andy has an up-to-date device which is able to enter the website
- Andy already has an account
- He is logged in to the applications

Preconditions for Android Scenario

- Andy has an up-to-date android device which is able to enter the application
- Andy already has an account in the app
- Andy is logged in to the applications

Goals

- Andy wants to become a more organized person
- Andy wants to become more intellectual

Acceptance Criteria

- 1.1.3.1 Users shall be able to add their goals which contain a title, a description and sub goal(s).
- 1.1.3.5 Users shall be able to add the related resources to their goals.
- 1.1.3.7 Users shall be able to modify their goals.
- 1.1.3.9 Users shall be able to tag goals, sub goals, tasks with semantic tags.
- 1.1.3.12 Users shall be able to delete goals.
- 1.2.1.1 The system shall provide sub-goals for goals and tasks for sub-goals.
- 1.2.1.2 The system shall provide a description segment for goals.

Scenario for Web

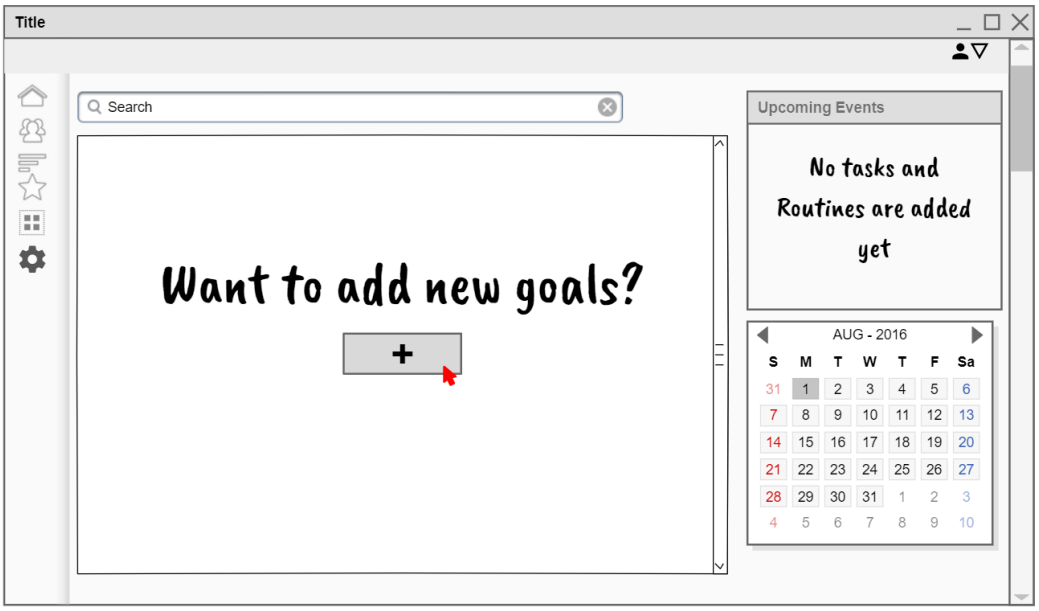
- Andy Dwyer enters the home page
- Then clicks the "+" button to create a new goal
- The "Create a New Goal" screen pops up and the user writes the goal name "Being more intellectual" and clicks "Create"
- The goal page will open
- Andy adds a description which is "You can do it!!" and tags which are "Culture, Research,Critical thinking and Reflection"
- He clicks to the "Create new Subgoal" button
- The "Create New Subgoal" screen pops up
- He will fill the SubgoalName and description and clicks to the "Create" button
- Then he clicks the "Add Task/Routine" button
- The he fills the name, description and adds the deadline from the calendar

Scenario for Android

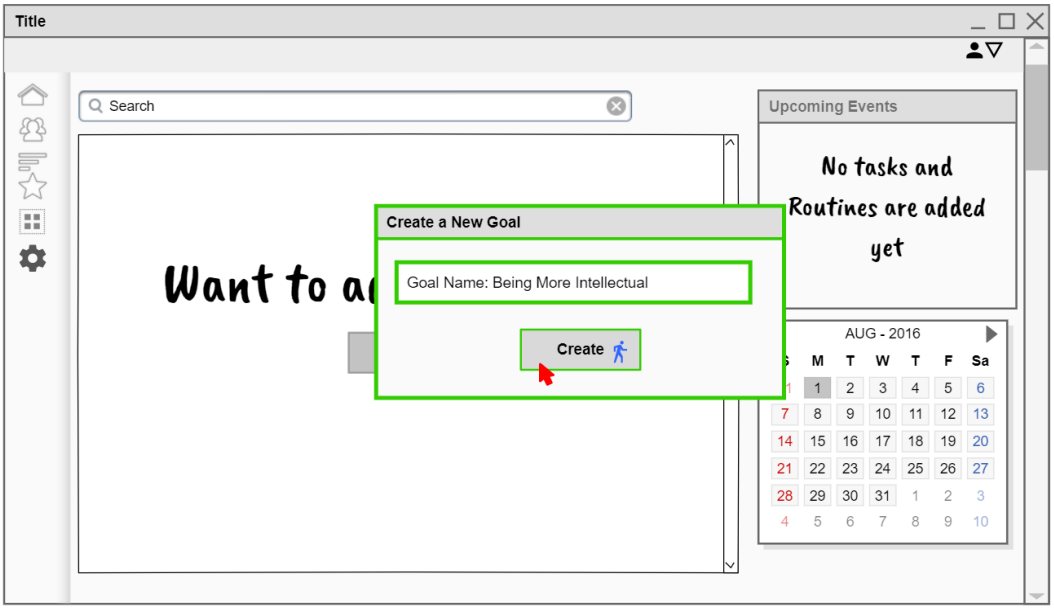
- Andy Dwyer enters the home page
- Then clicks the "+" button below the page to create a new goal
- The "Create a New Goal" screen pops up and
- Andy writes the goal name "Being more intellectual" and clicks "Create"
- The goal page will open
- Andy adds a description which is "You can do it!!" and tags which are "Culture, Research,Critical thinking and Reflection"
- Then user clicks the "+" button which is besides the "SUBGOAL" text
- Then the Subgoal Screen pops up
- He fills the subgoal name, description and adds an book image then clicks "Create"
- He clicks to the "3 dots" on the Reading subgoal
- Then clicks to the "New task/Routine" button
- Fills the name and description
- Clicks to the "3 dots" button
- Clicks to the "Deadline" button
- Adds deadline

Mock-up for Web

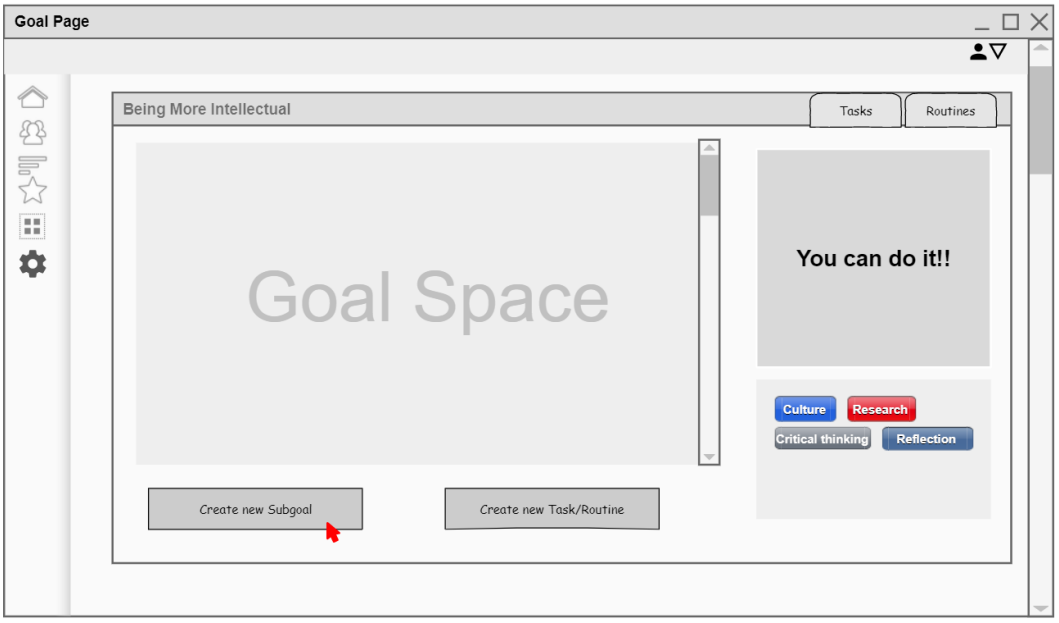
1- Andy Dwyer enters our website to become a more intellectual person. He wants to create a goal and clicks "+".



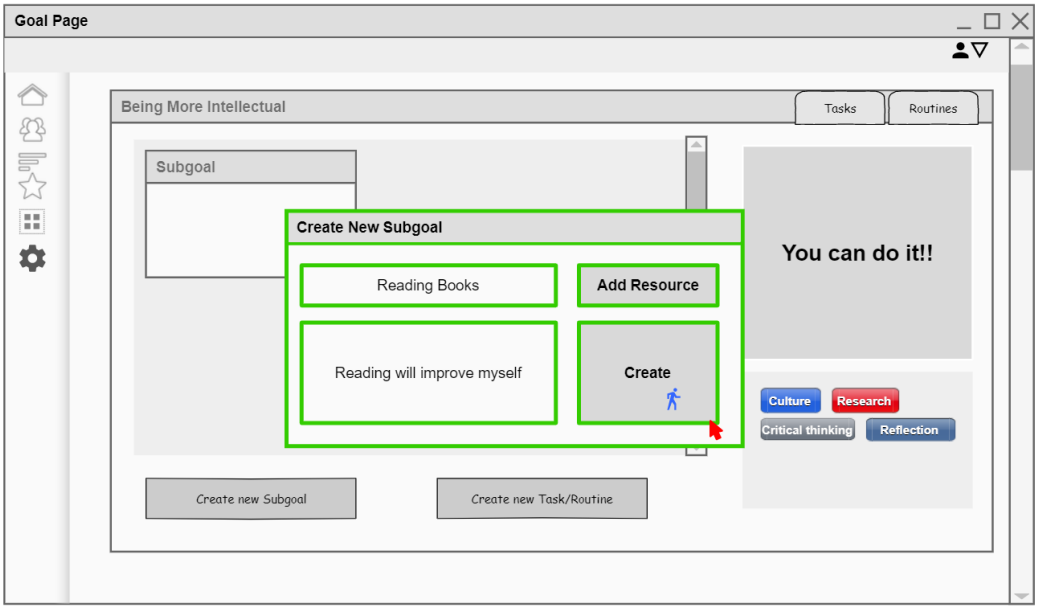
2- Andy gives a name to his goal and creates it.



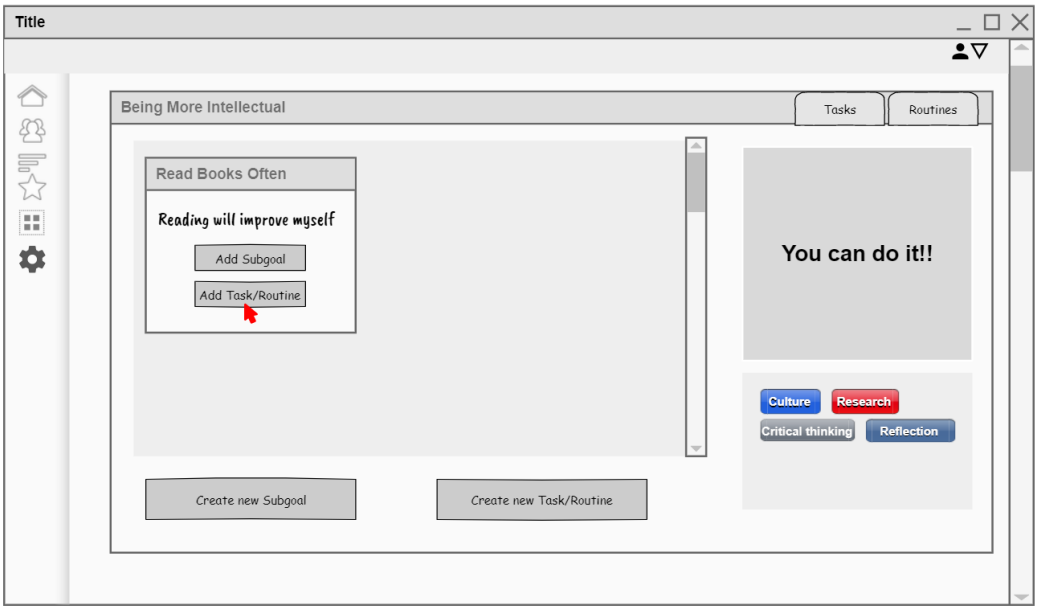
3- After creating, he adds description and tags, then he clicks "Create new Subgoal".



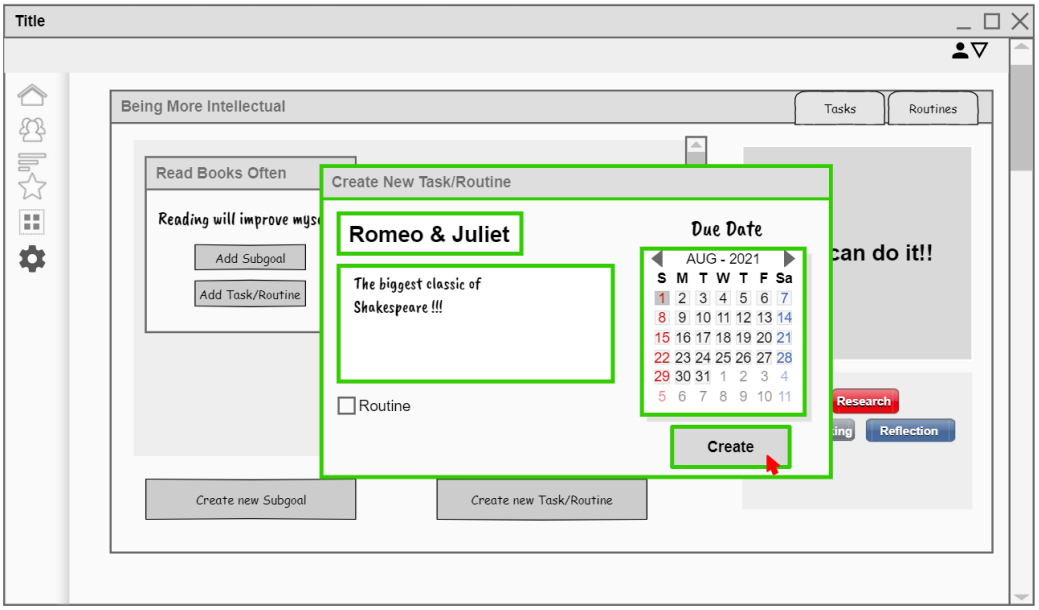
4- He creates a subgoal named "Reading Book" as a part of being an intellectual person/



5- Andy also wants to add a subgoal "Reading Theatre" to the previously created subgoal, he clicks "Create new Task/Routine".

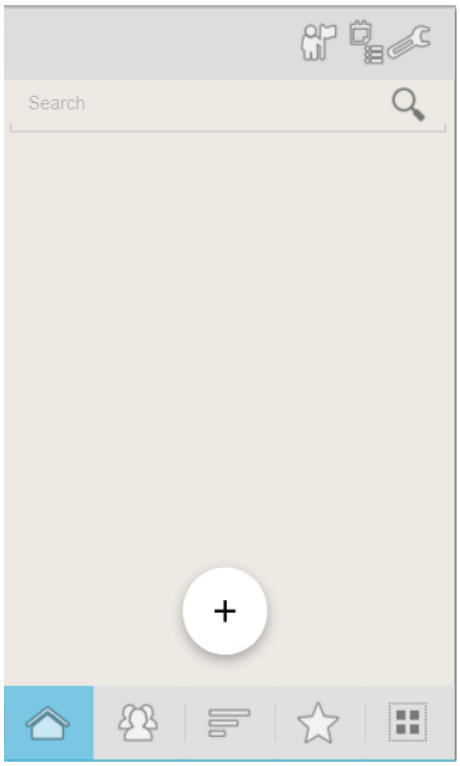


6- He adds "Reading Theatre", description, and a due date for this task.

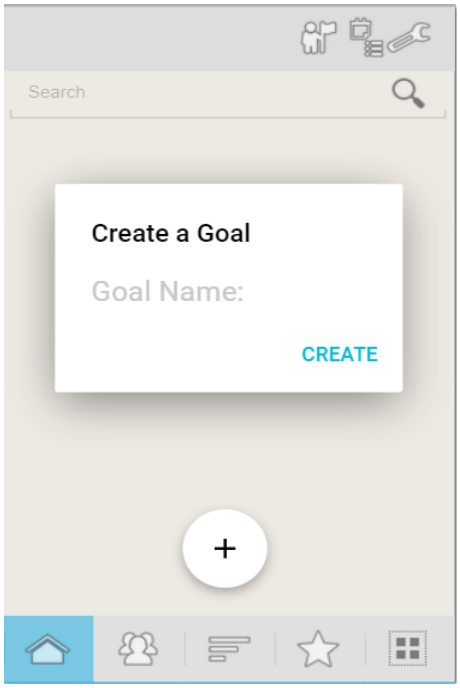


Mock-up for Android

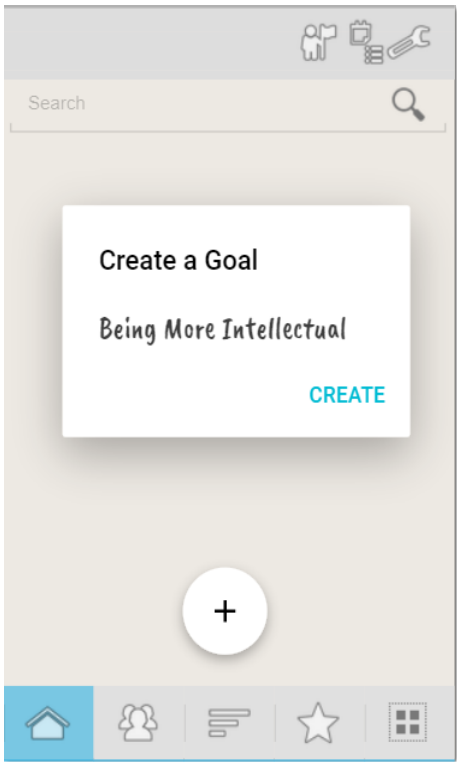
1- Andy opens the application, then faces the blank home page.Then presses "+" to create a new goal.



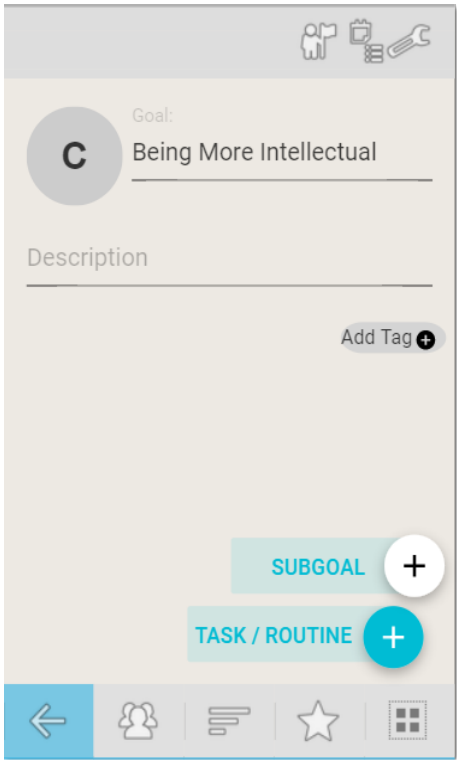
2- The "Create a New Goal" screen pops up.



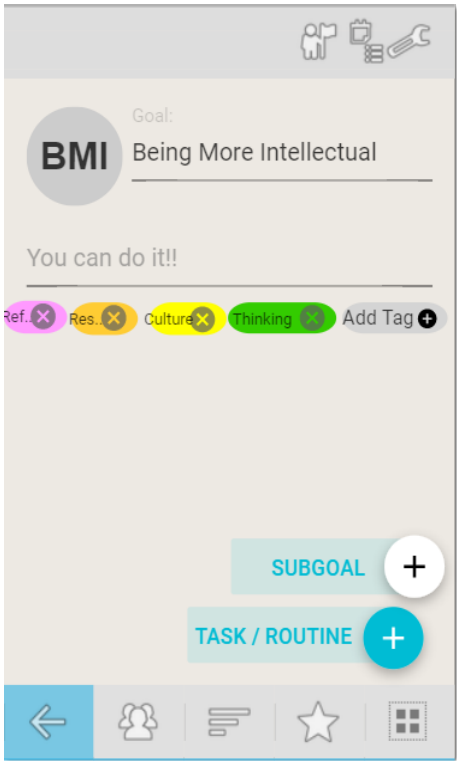
3- Andy writes the goal name "Being more intellectual" and clicks "Create".



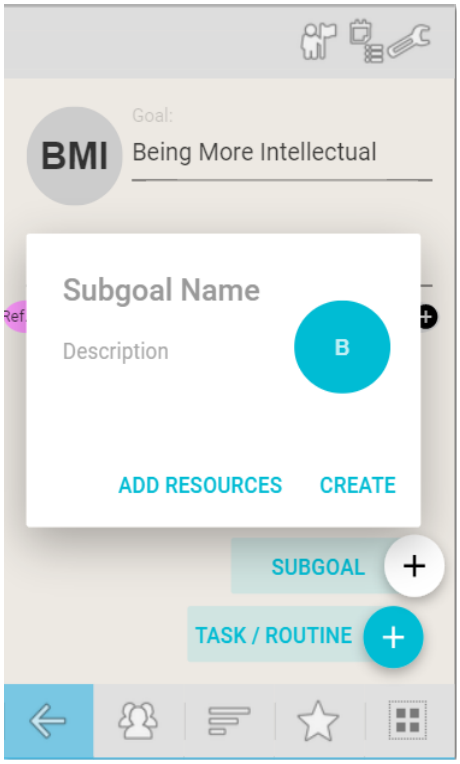
4- The goal page will open, Andy adds a description which is "You can do it!!" and tags which are "Culture, Research,Critical thinking and Reflection".



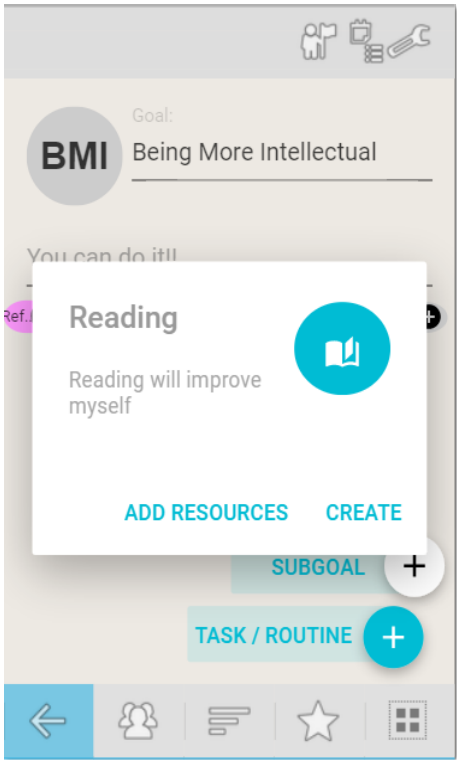
5- Then the user clicks the "+" button which is besides the "SUBGOAL" text.



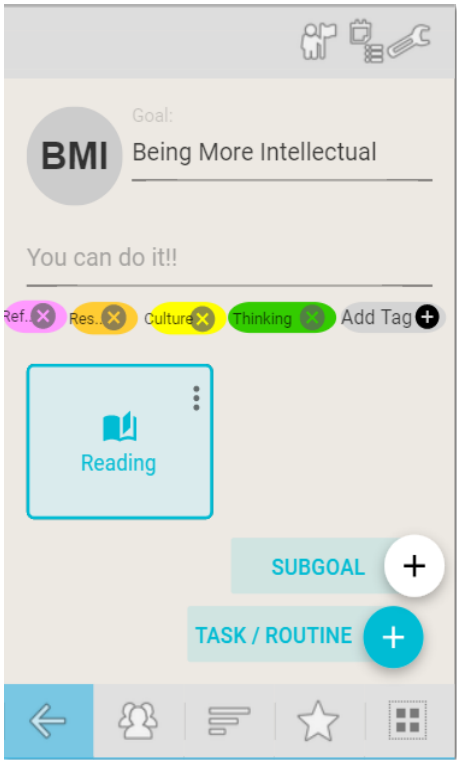
6- Then the Subgoal Screen pops up.



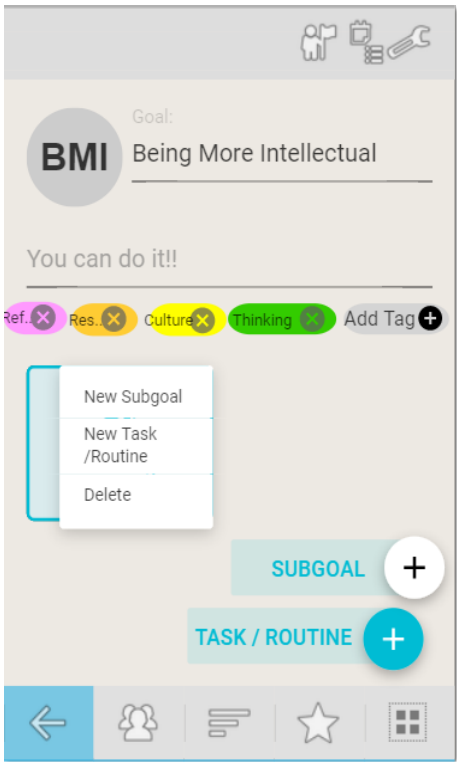
7- User fills the subgoal name, description and adds a book image, then clicks "Create".



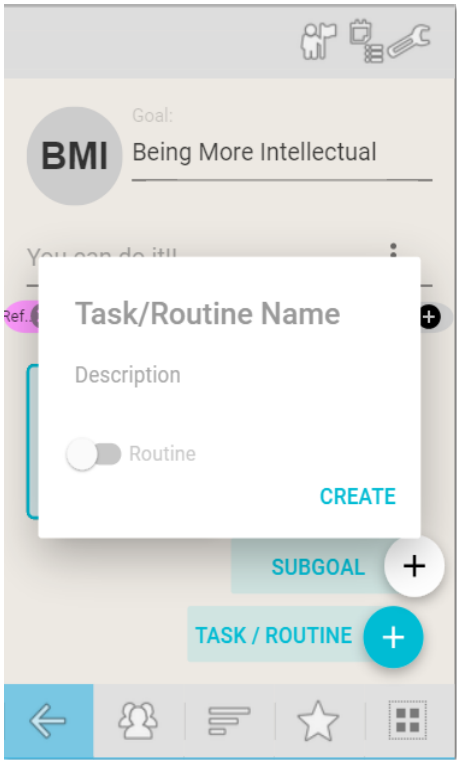
8- User clicks to the "3 dots" on the Reading subgoal.



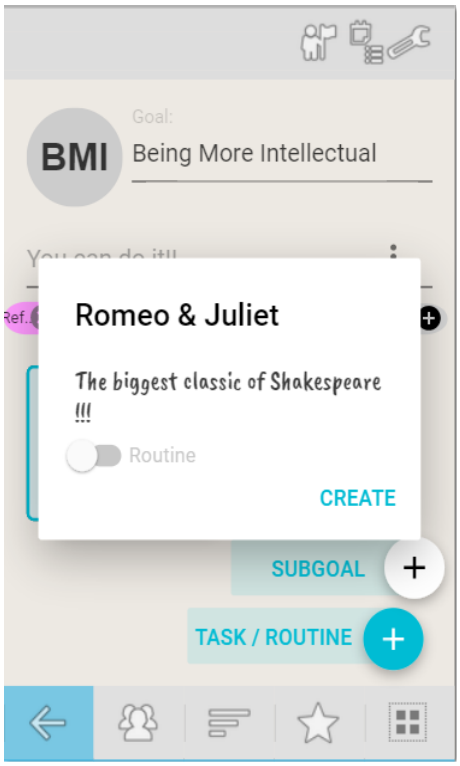
9- Then clicks to the "New task/Routine" button.



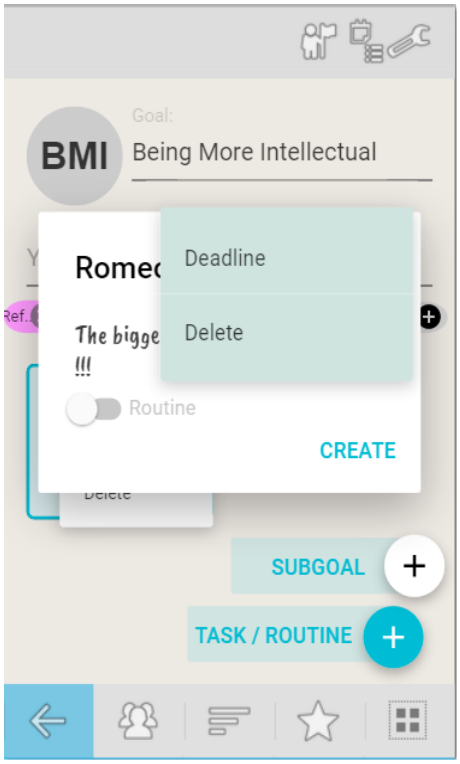
10- Then the Task Screen pops up.



11- Fills the name and description.



12- Clicks to the "3 dots" button, then clicks to the "Deadline" button



Scenario #2

User and Persona

- Ali Sağlam
- 20 years old
- University student
- Wants to get in shape, but doesn't know where to start.

Story

- Ali is a 20 years old young man who wants to get fit. but he has no idea about where to start, which routines to do.
- While he was browsing social media, he saw a post of an influencer, named James Del Rey, he follows.
- Post's description was "Hey you! I added my sport routine to the 'application' with the title 'Fit Del Rey'. You can download the 'application' and copy this routine to be super fit like me!"
- Ali was already a user of this app. Since Ali was heavily following this influencer and trusts him with all his heart, he decided to take this routine as a guide.

Preconditions for Android Scenario

- Ali has an up-to-date android device which can run the application.
- Ali already has an account in the app.
- Ali is logged in to the application and on the marketplace page.

Preconditions for Web Scenario

- Ali has an up-to-date device which is able to enter the website.
- Ali already has an account.
- Ali is logged in to the applications and on the marketplace page.

Goals

- Ali wants to access the influencer's routine easily and modify it regarding his availability if needed.
- Ali likes to keep things together. His workout routine, photos, his diet, notes, in short anything related to the workouts, etc.

Acceptance Criteria

- 1.1.3.5 Users shall be able to add the related resources to their goals.
- 1.1.3.7 Users shall be able to modify their goals.
- 1.1.3.9 Users shall be able to tag goals, sub goals, tasks with semantic tags.
- 1.1.3.11 Users shall be able to add goals that came out of the search to themselves.

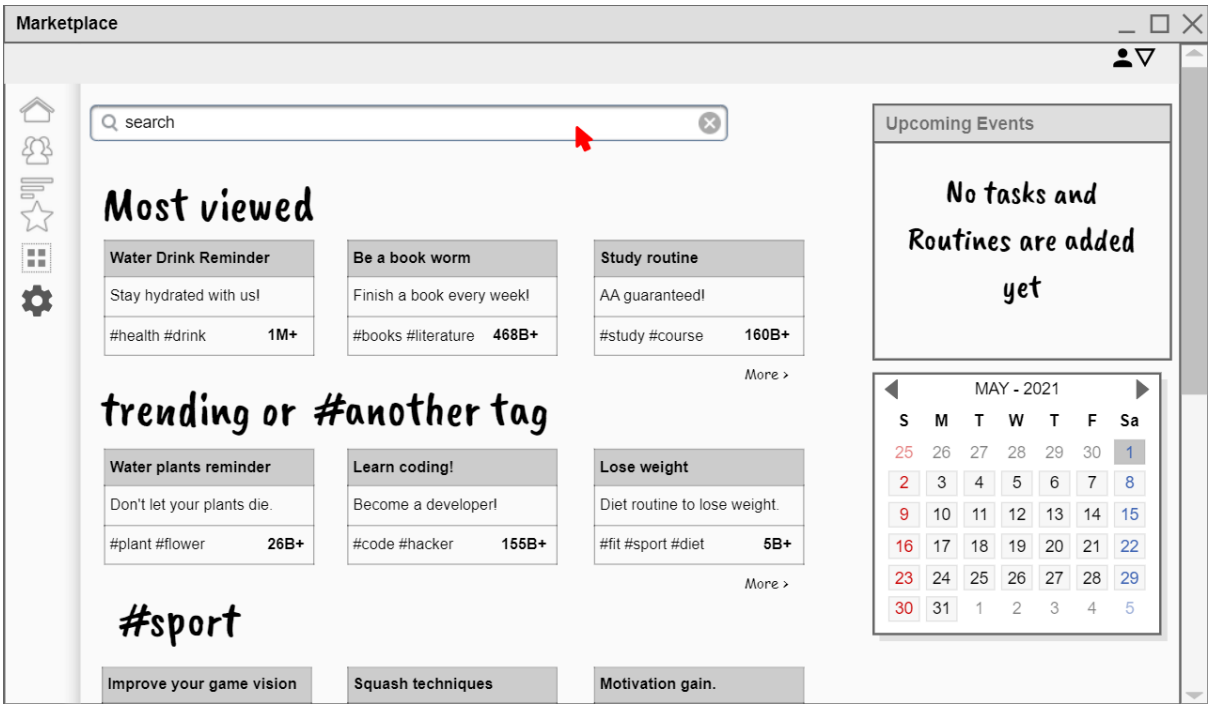
- 1.2.1.1 The system shall provide sub-goals for goals and tasks for sub-goals.
- 1.2.1.2 The system shall provide a description segment for goals.
- 1.2.2.1 The system shall let the users search for a goal or similar goals with tags.
- 1.2.2.2 The system shall support semantic search, which provides users to find semantically similar goals.

Scenario

- Ali searched for the title of influencer's goal, "Fit Del Rey".
    - The goal appeared at the top of the search result. Moreover, there were other goals which were not included in the text that was searched, but related to the title.
    - Ali clicked the goal of the influencer to see details.
- Ali copied it to himself.
- However, some parts of this routine did not fit his program.
    - He changed the workout days. Monday Routine -> Tuesday Routine
- Furthermore, he added #health tag.
- He added photos of his meal under the diet page.

Mock-up for Web

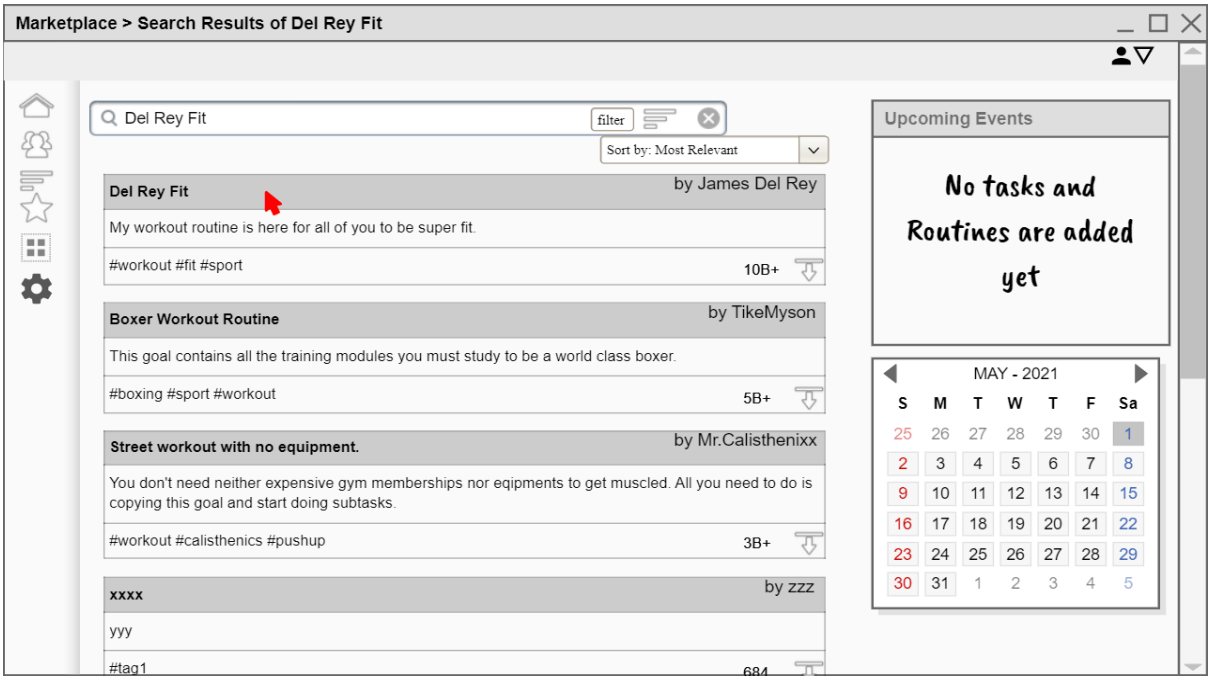
0- Ali is already on the marketplace page.



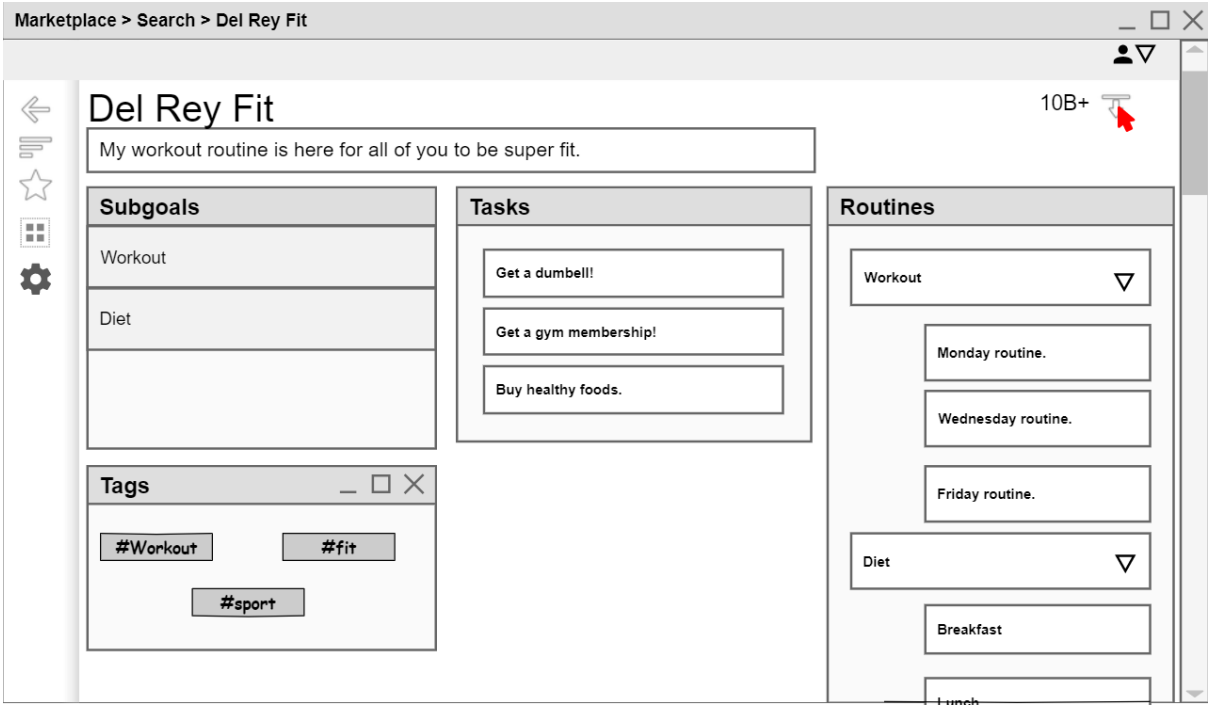
1- Ali searched for the title of influencer's goal, "Fit Del Rey".

1.1- The goal appeared at the top of the search result. Moreover, there were other goals which were not included in the text that was searched, but related to the title.

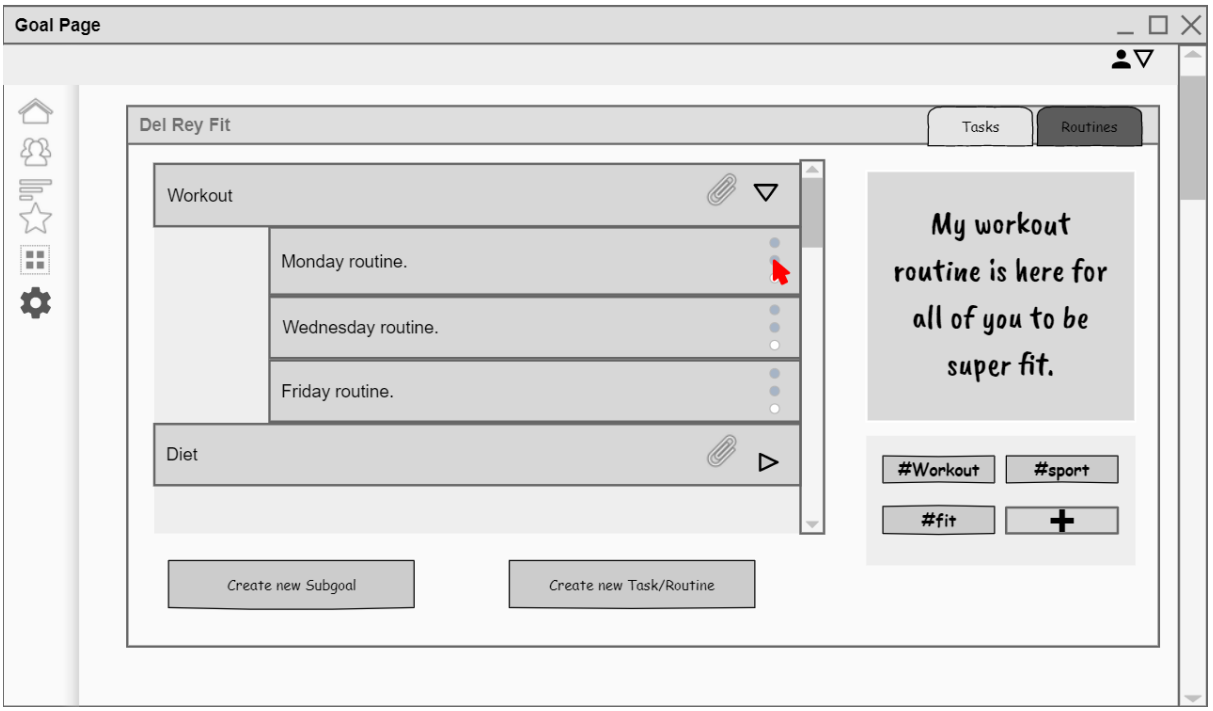
1.2- Ali clicked the goal of the influencer to see details.



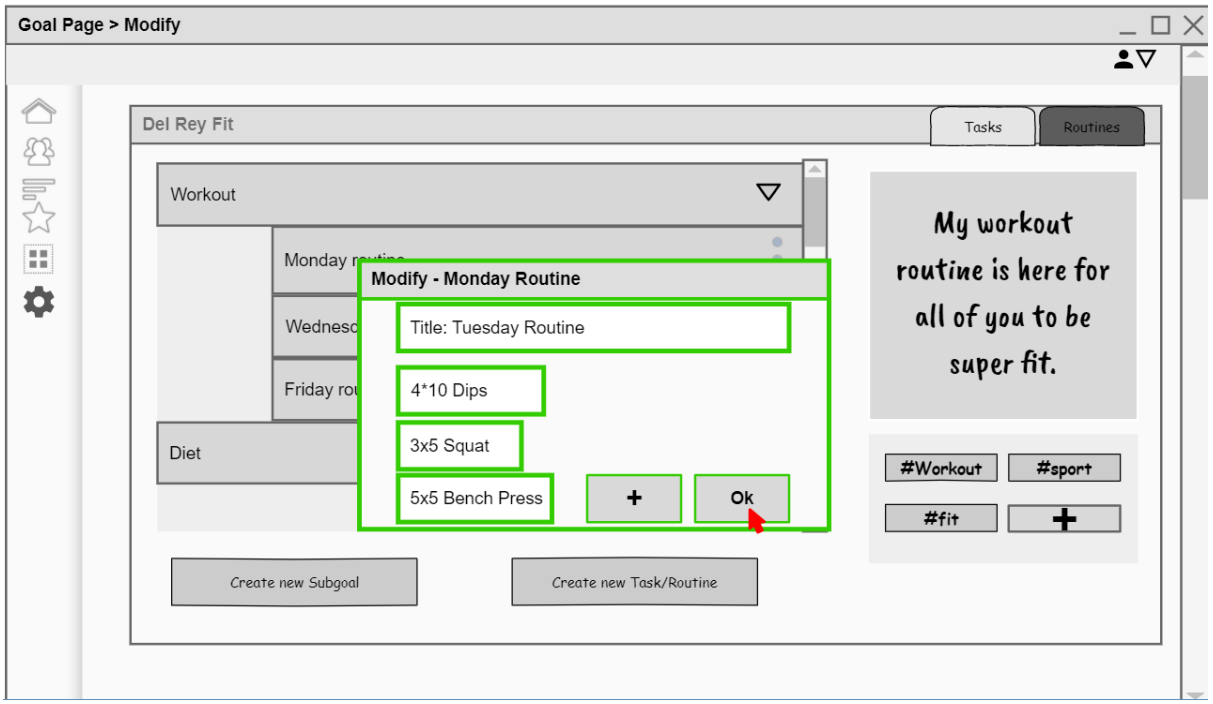
2- Ali copied it to himself.



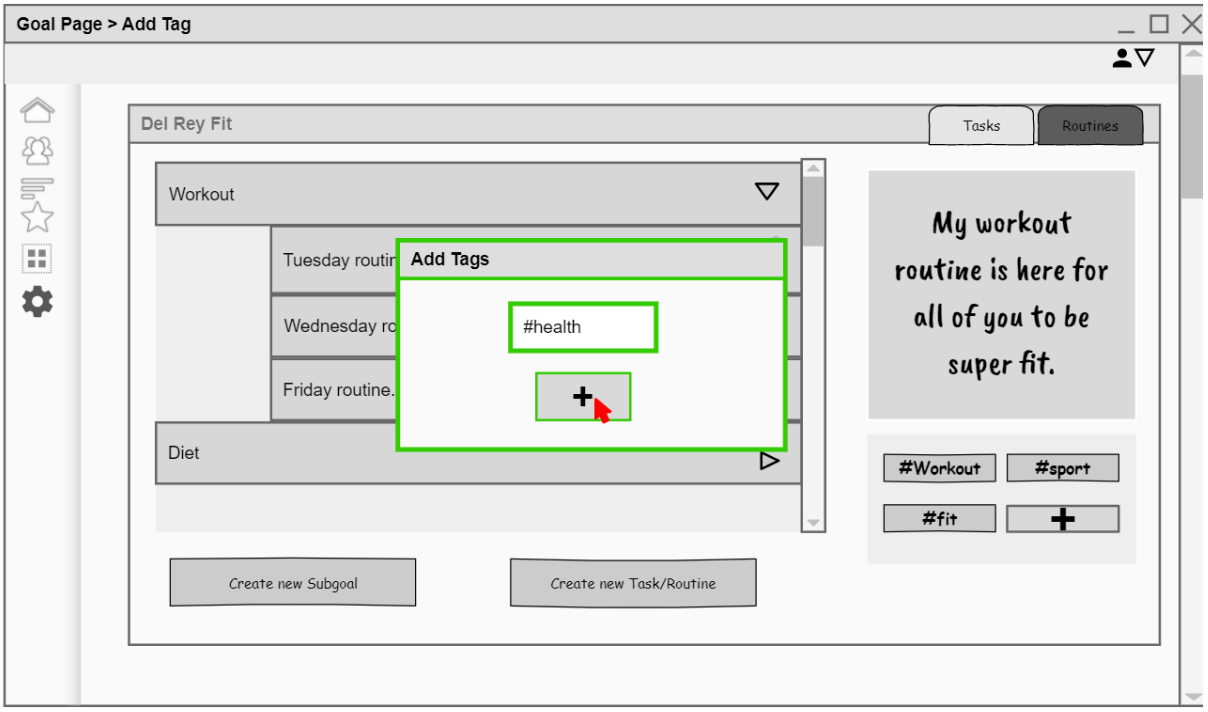
3- However, some parts of this routine did not fit his program.



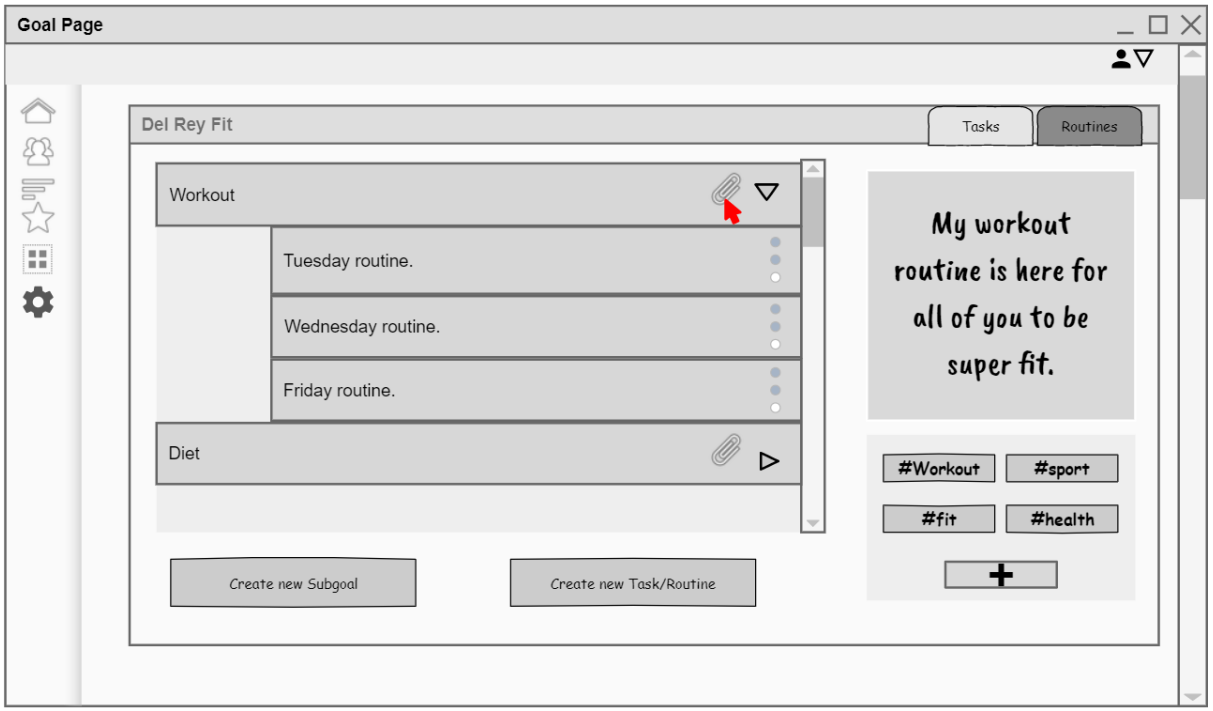
3.1- He changed the workout days. Monday Routine -> Tuesday Routine

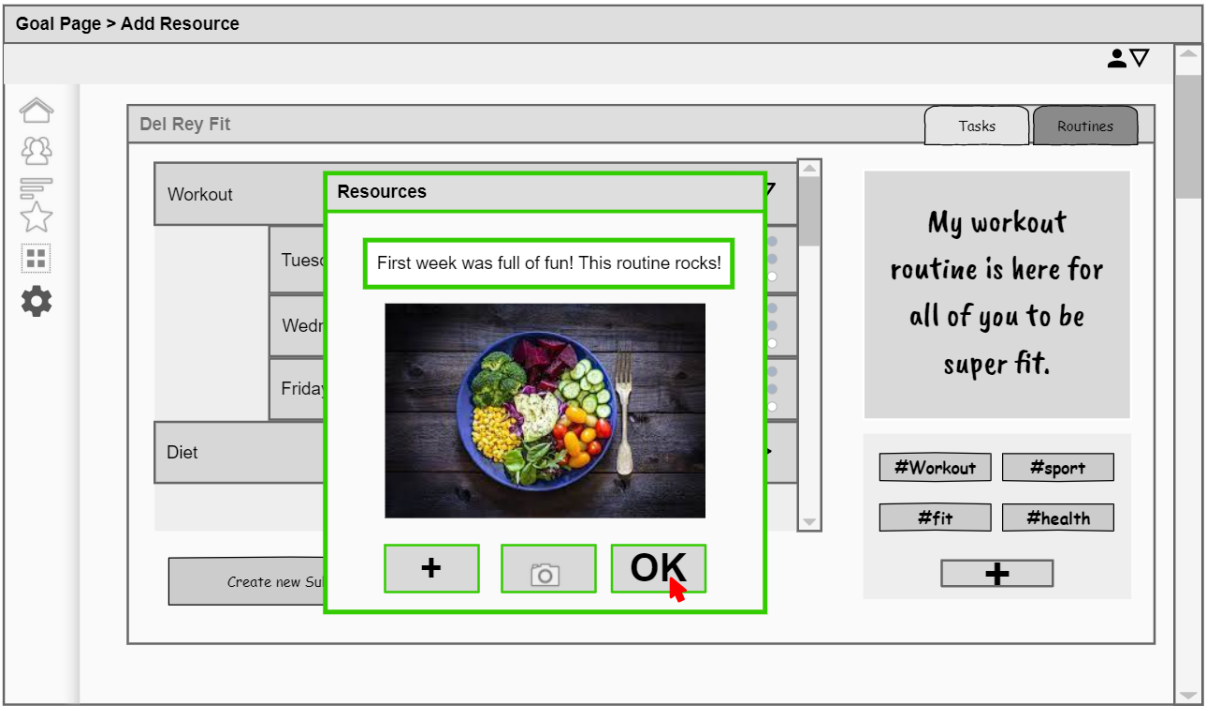


4- Furthermore, he added #health tag.



5- He added photos of his meal under diet page.





src of the meal photo:
https://www.goodhousekeeping.com/health/diet-nutrition/g4351/1200-calorie-diet-plan/

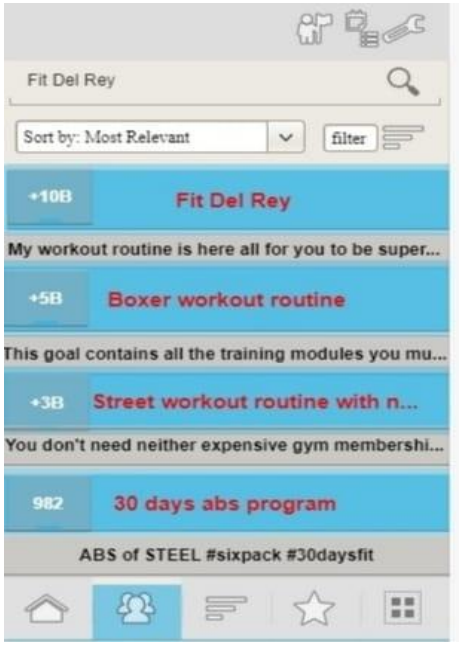
Mock-up for Android

0-Ali is on the marketplace page.

1- Ali searched for the title of influencer's goal, "Fit Del Rey".

1.1- The goal appeared at the top of the search result. Moreover, there were other goals which were not included in the text that was searched, but related to the title.

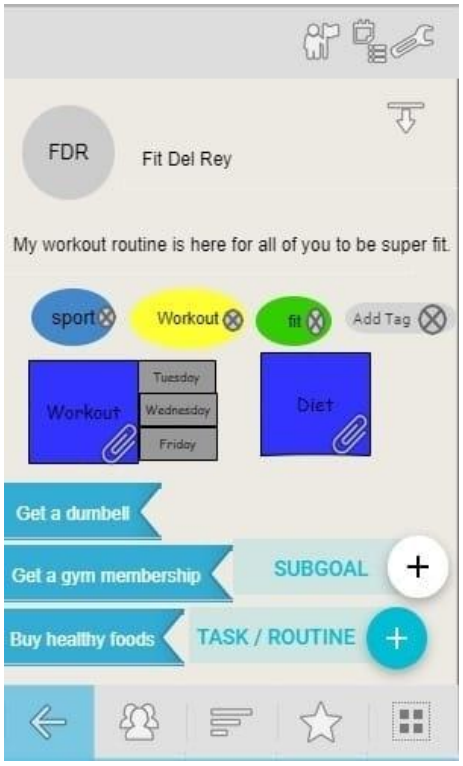
1.2- Ali touched the goal of the influencer to see details.



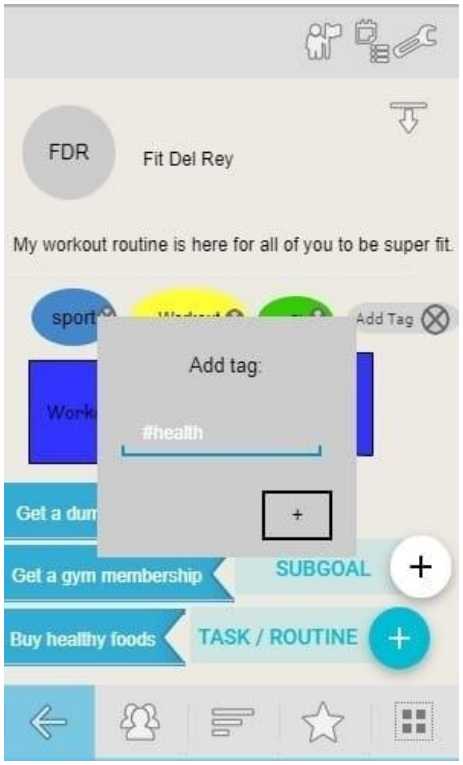
2- Ali copied it to himself by touching the button which have down arrow at the top right.

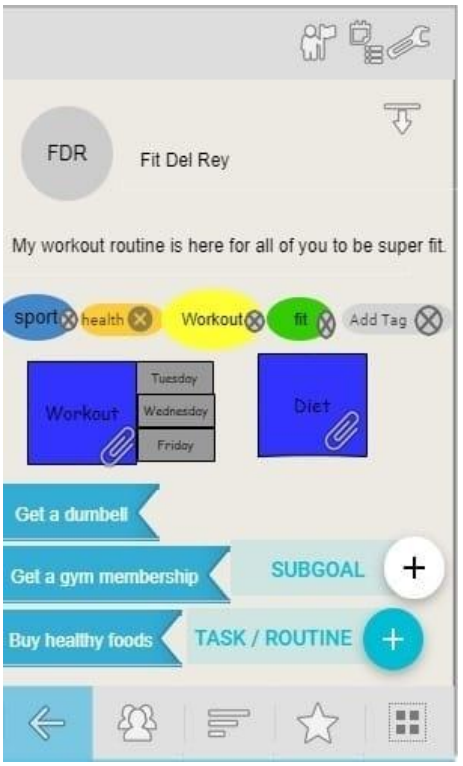
3- However, some parts of this routine did not fit his program. He opened the Workout subgoal.

3.1- He changed the workout days. Monday Routine -> Tuesday Routine



4- Furthermore, he added #health tag by touching "Add Tag" button





5- He added photos of his meal under diet page by touching the paperclip on the bottom right of the Workout subgoal.

Scenario #3.1: Creating Group Goal

Persona

- Ömer
- Computer Engineering Student
- 22 years old
- Taking Cmpe352 course
- Registered user in the app

Story

- Ömer is a computer engineering student who takes the Cmpe352 course.
- During this course he has to achieve many goals with his friends.
- He uses this app to create new goals and share it to his friends.
- Goal: Creating a group goal and inviting a friend.

Preconditions for Android Scenario

- Ömer has an up-to-date android device which is able to enter the application
- Ömer already has an account in the app
- Ömer is logged in to the application and on homepage

Preconditions for Web Scenario

- Ömer has an up-to-date device which is able to enter the website
- Ömer already has an account
- Ömer is logged in to the application and on homepage

Acceptance Criteria

- 1.1.4.1 Users shall be able to invite others using a code. This action makes the goal a group goal.
- 1.1.4.9 Members of the groups shall be able to tag items with semantic tags.
- 1.2.1.2 The system shall provide a description segment for goals.
- 1.2.1.3 The system shall make other people be able to join goals via invite link.
- 1.2.5.1 The system shall let users invite their friends using a code.

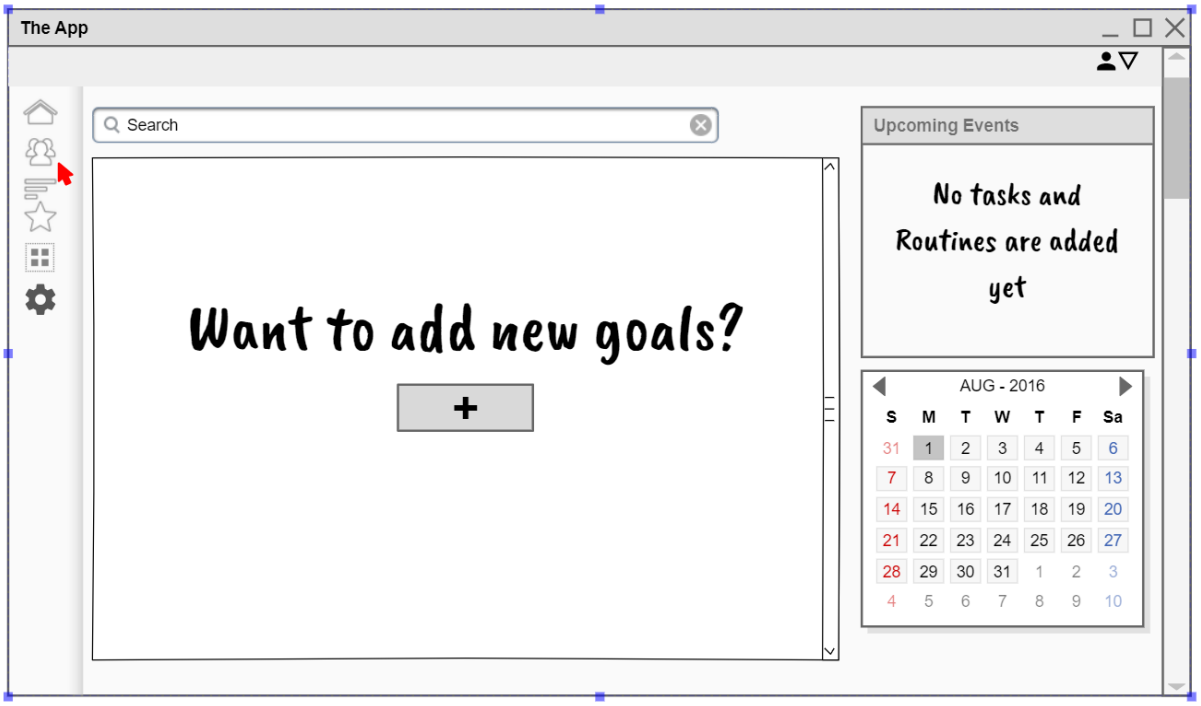
Web Scenario

- Ömer clicks the "Group Goals" page button and goes to that page.
- On this page he clicks to "Create a new group goal!" button and a pop-up appears for creating a new group goal.
- He enters group name, description, tags and creates a new group goal and goes to the homepage for Cmpe352 group goal.

- He copies the sharable token for this group and shares it with his friend Berk. You can access the Berk's part here.

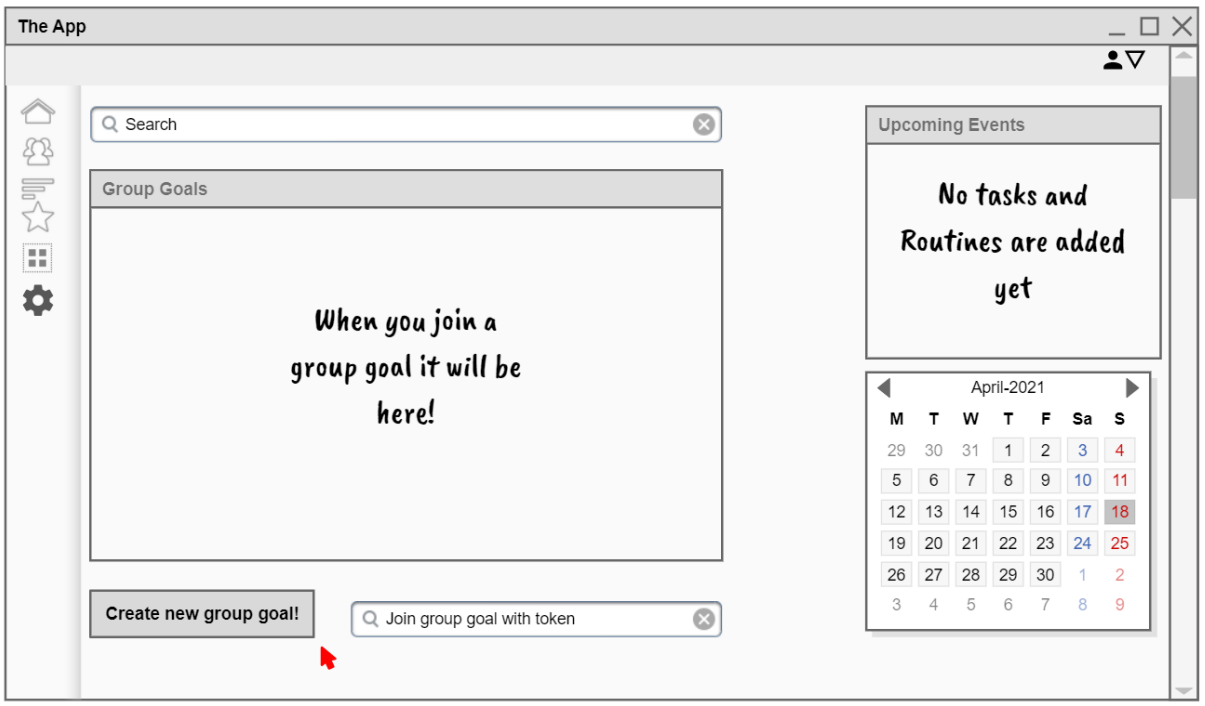
Mock-up for Web

1- Ömer clicks the "Group Goals" page button and goes to that page.



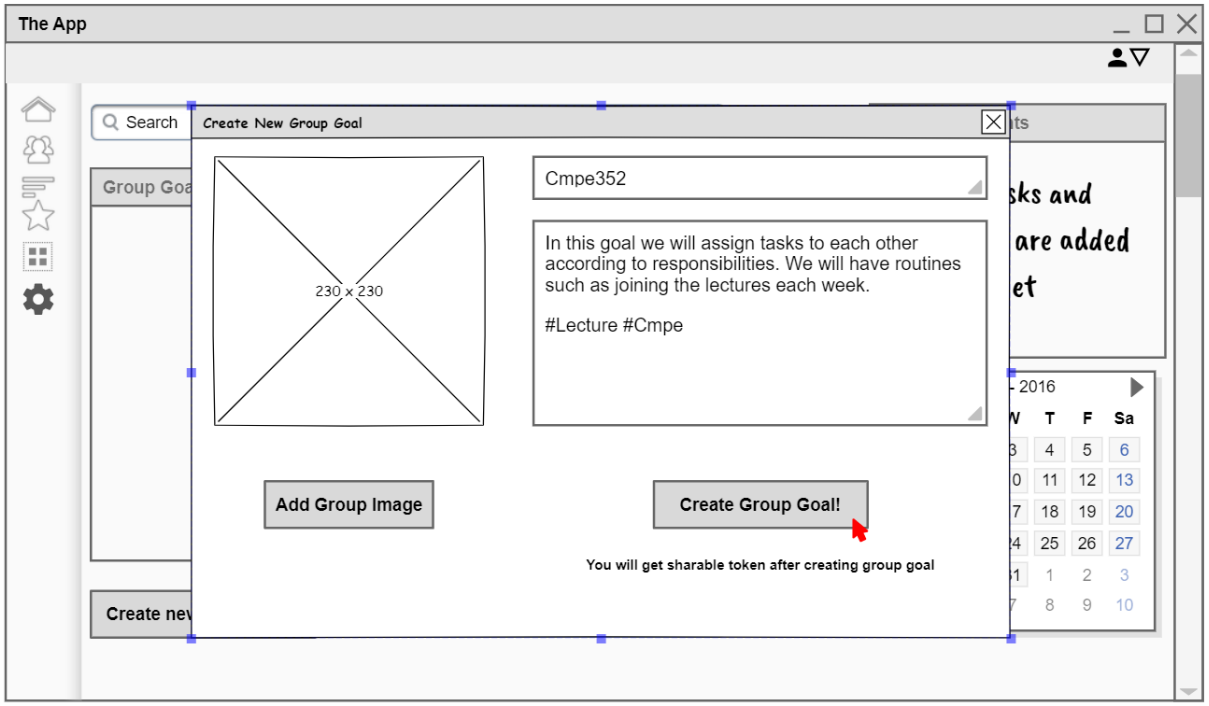
2.

2- On this page he clicks to "Create a new group goal!" button and a pop-up appears for creating a new group goal.

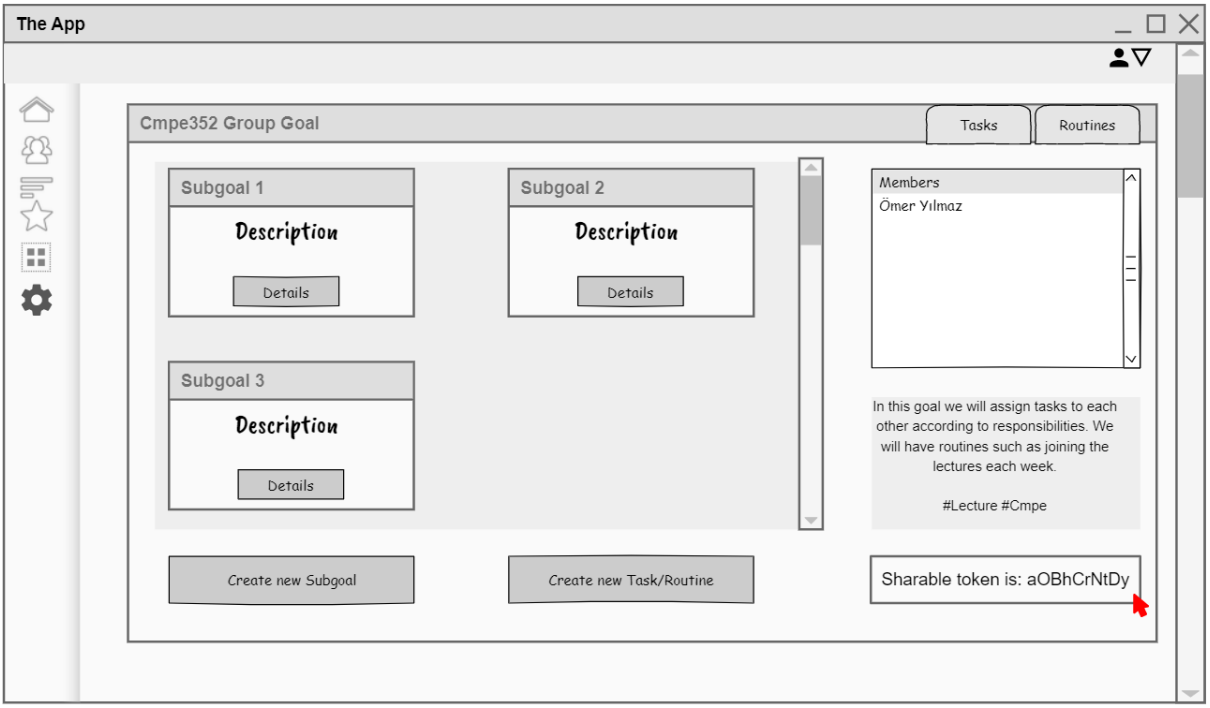


3.

3- He enters the group name, description, tags and creates a new group goal and goes to the homepage for Cmpe352 group goal.



4- He copies the sharable token for this group and shares it with his friend Berk. You can access the Berk's part here.



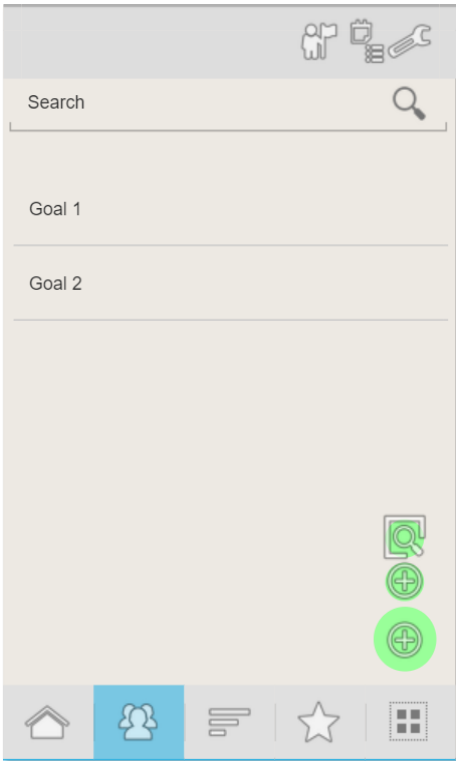
Android Scenario

- Ömer clicks to "Group Goals" button from the bottom bar(second button) and goes Group goals page.
- On this page he clicks to "Create new group goal" button(Green floating button on right-bottom) and a pop-up appears for creating a new group goal.
- He enters the group name, description, tags and creates new group goal and goes to homepage for Cmpe352 group goal.
- He clicks group info button on top right, goes to the group info page.
- He copies the sharable token for this group and shares it with his friend Berk. You can access the Berk's part here.

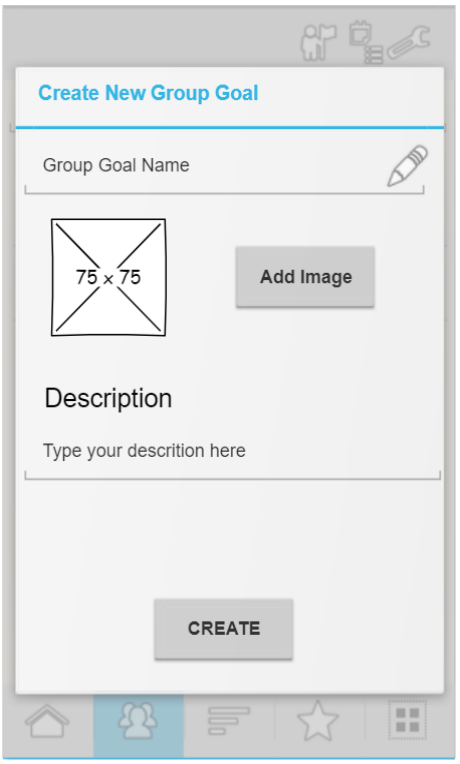
Mock-up for Android

1- Ömer clicks the "Group Goals" button from the bottom bar(second button) and goes to the Group goals page.

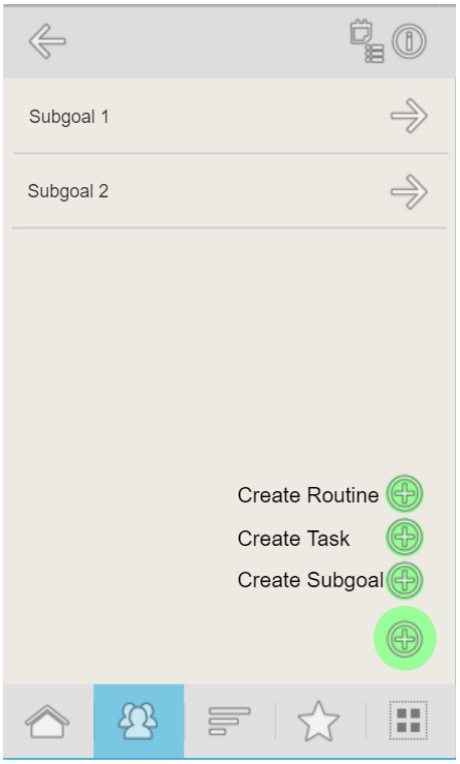
2- On this page he clicks the "Create new group goal" button(Green floating button on right-bottom) and a pop-up appears for creating a new group goal.



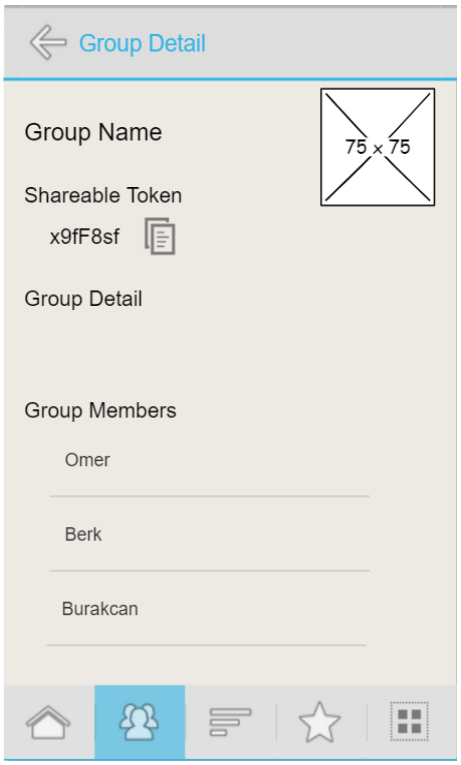
3- He enters the group name, description, tags and creates a new group goal and goes to the homepage for Cmpe352 group goal.



4- He clicks the group info button on top right, goes to the group info page.



5- He copies the sharable token for this group and shares it with his friend Berk. You can access the Berk's part here.



Scenario #3.2 Web: Joining Group Goal

Persona

- Berk
- Computer Engineering Student
- 22 years old
- Taking Cmpe352 course
- Registered user in the app

Story

- Berk is a computer engineering student who takes the Cmpe352 course.
- During this course he has to achieve many goals with his friends.
- He uses this app to join Ömer's goal.
- Goal: Joining the group goal and creating a task with multiple assignees

Preconditions for Web Scenario

- Berk has an up-to-date device which is able to enter the website
- Berk already has an account
- Berk is already logged in and on homepage
- Berk has the group token from Ömer

Preconditions for Android Scenario

- Berk has an up-to-date android device which is able to enter the application
- Berk already has an account in the app
- Berk is already logged in and on homepage
- Berk has the group token from Ömer

Acceptance Criteria

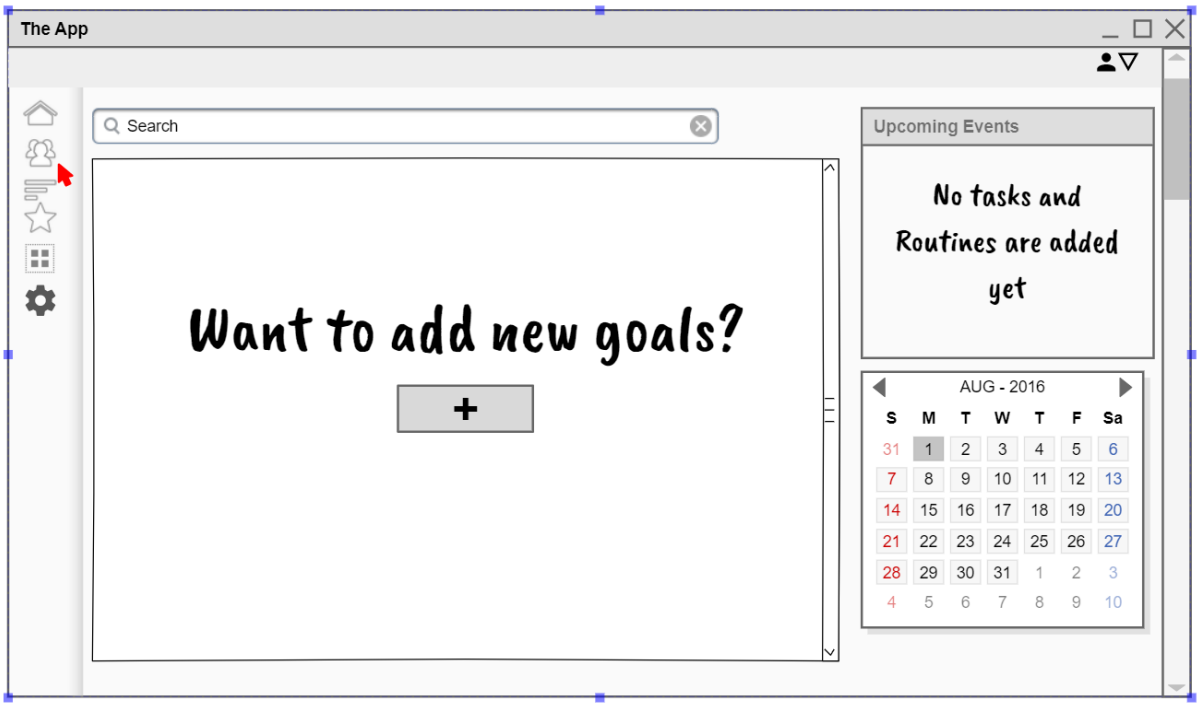
- 1.1.4.1 Users shall be able to invite others using a code. This action makes the goal a group goal.
- 1.1.4.7 Members of the groups shall be able to modify their goals.
- 1.2.1.1 The system shall provide sub-goals for goals and tasks for sub-goals.
- 1.2.1.2 The system shall provide a description segment for goals.
- 1.2.1.3 The system shall make other people be able to join goals via invite link.
- 1.2.5.1 The system shall let users invite their friends using a code.

Web Scenario

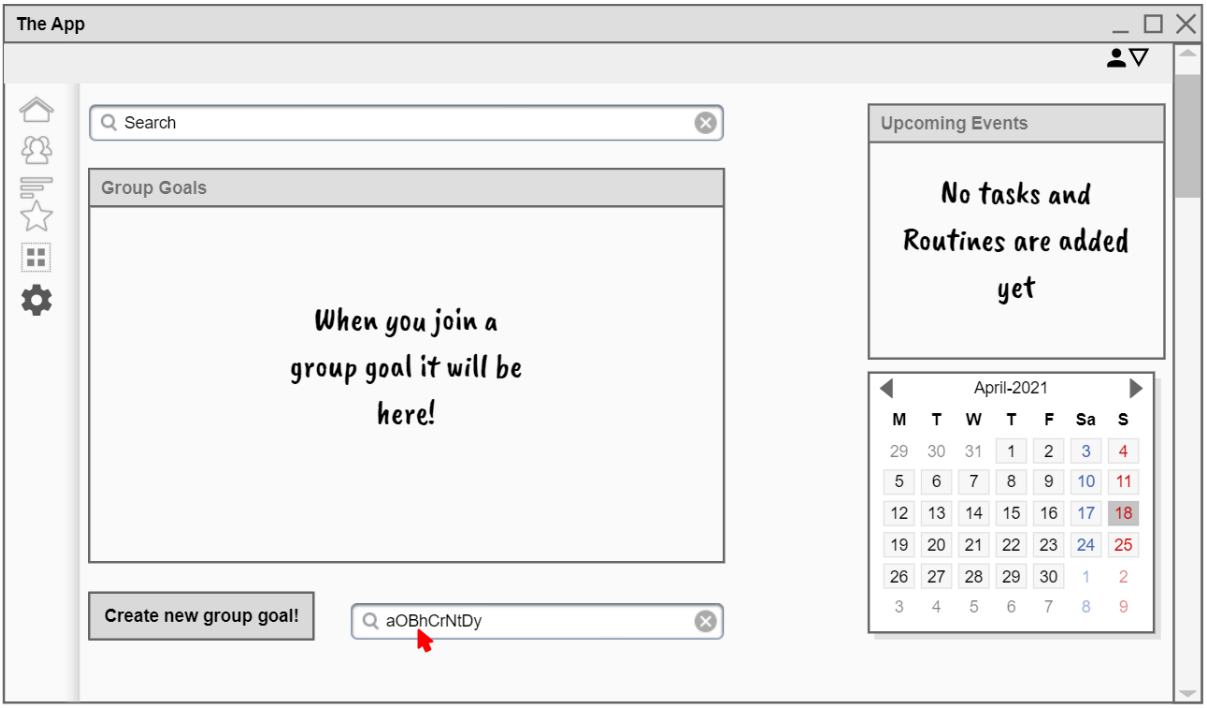
- Berk clicks the "Group Goals" page button and goes to that page.
- On this page he enters his token into the "Join group goal with token" area and hits enter and a pop-up appears for joining group goal.
- He clicks the join button and joins to the group and goes to the homepage of the group.
- He clicks "Create new task/routine" button and a pop-up appears.
- He enters the details of task and creates it.
- He opens the task tab and views the task he created.

Mock-up for Web

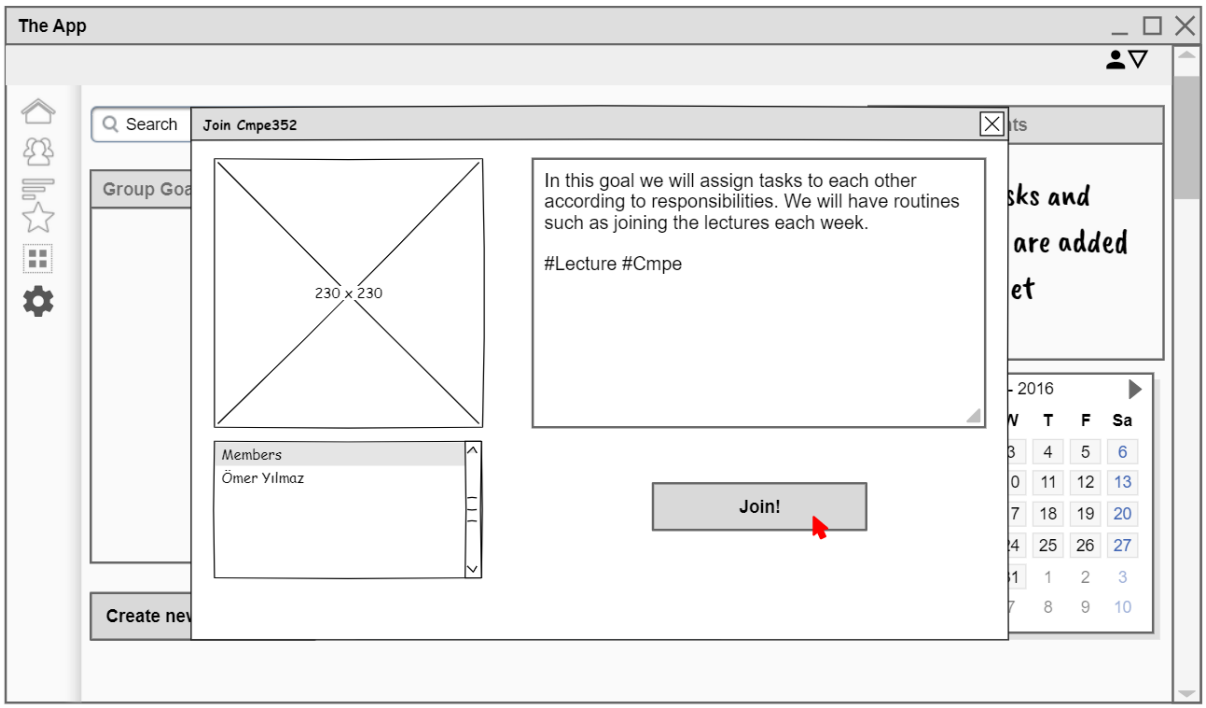
1- Berk clicks to "Group Goals" page button and goes to that page.



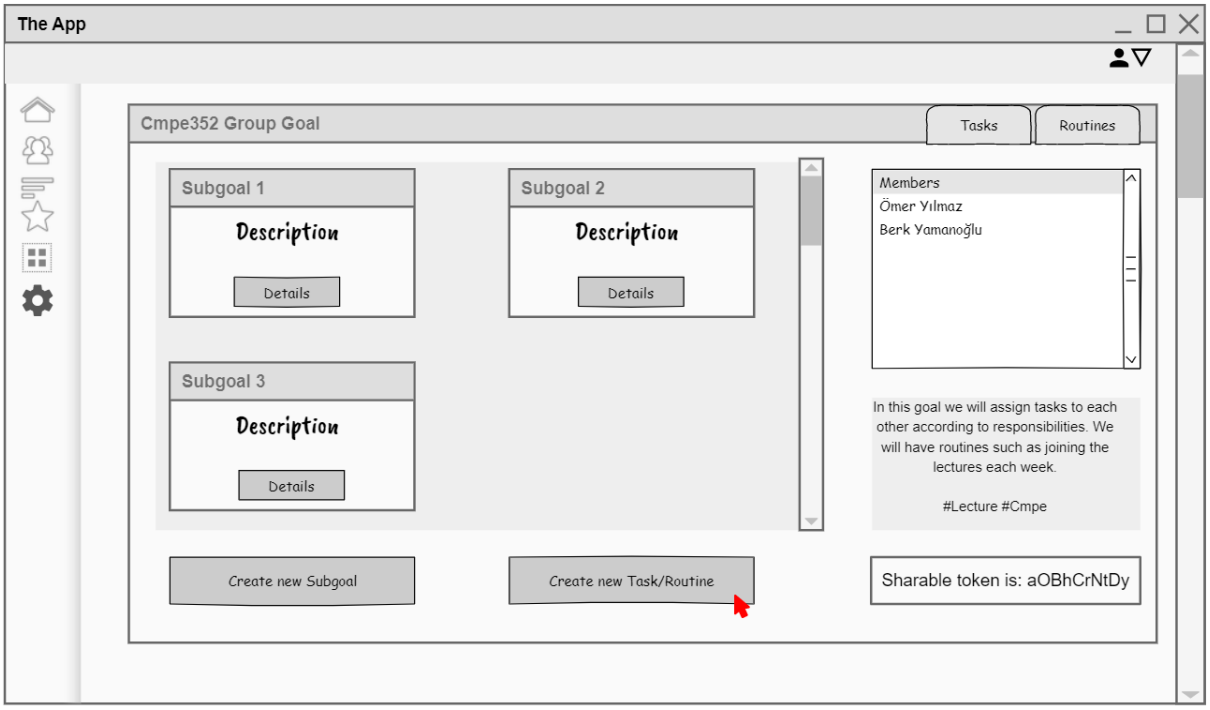
2- On this page he enters his token into the "Join group goal with token" area and hits enter and a pop-up appears for joining group goal.



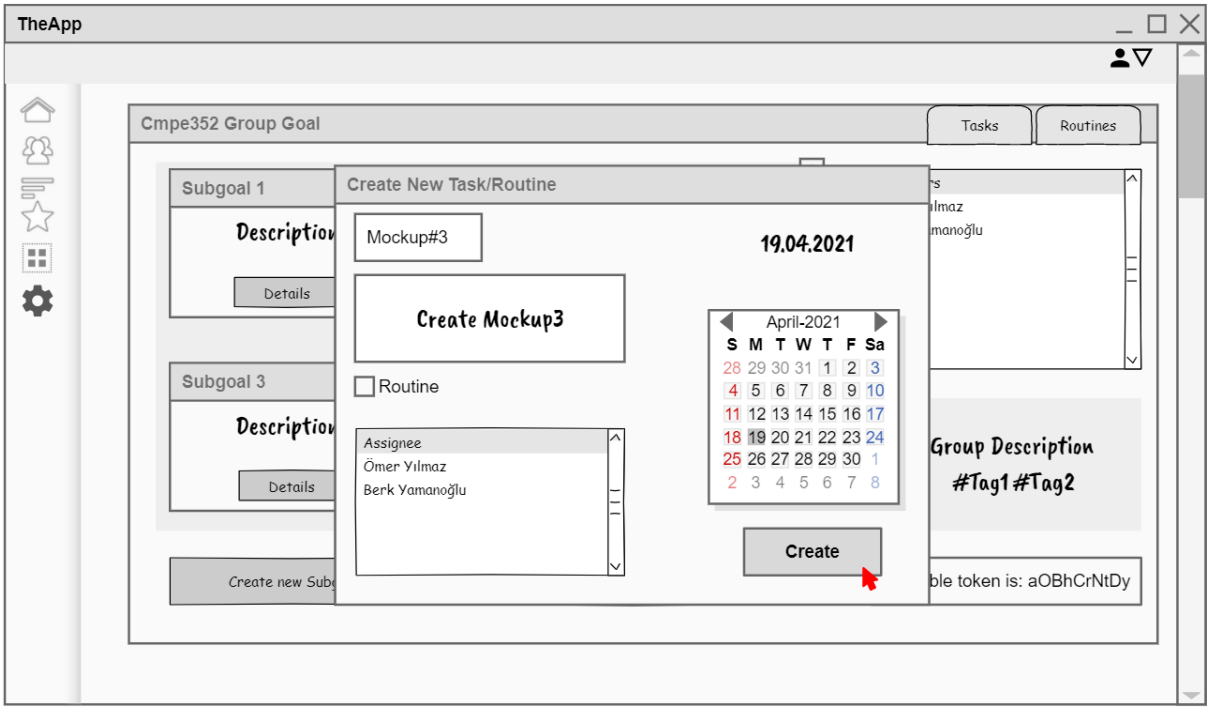
3- He clicks join button and joins to group and goes to homepage of group.



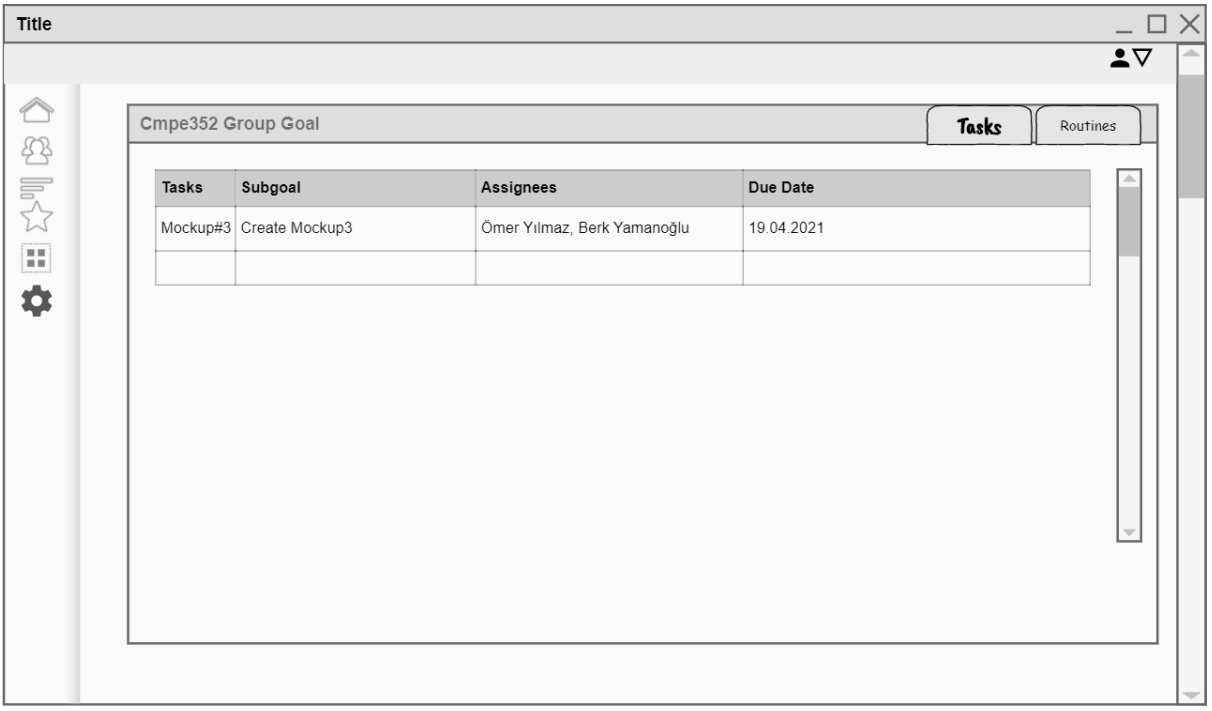
4- He clicks the "Create new task/routine" button and a pop-up appears.



5- He enters the details of the task and creates it.



6- He opens the task tab and views the task he created.



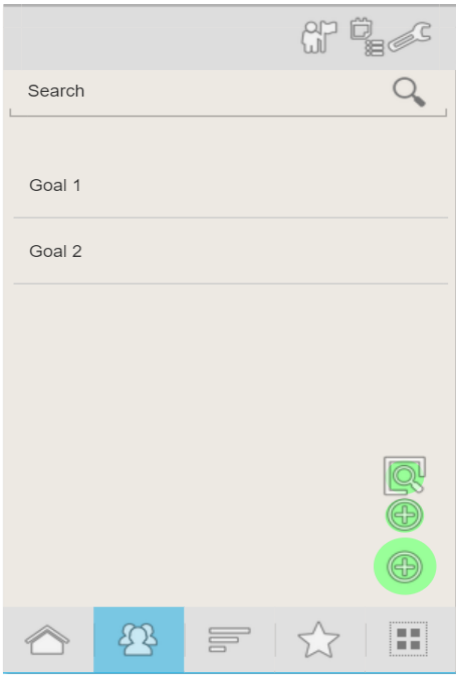
Android Scenario

1. Berk clicks the "Group Goals" navigation button and goes to that page.
2. He clicks the "Join Group" button from the floating button menu.
3. On this pop-up he enters his token into the "Token" area and the group info will be displayed.
4. He clicks the join button and joins the group and goes to the homepage of the group.
5. He clicks the "Create new task/routine" button and a pop-up appears.
6. He enters the details of the task and creates it.
7. He opens the task tab and views the task he created.

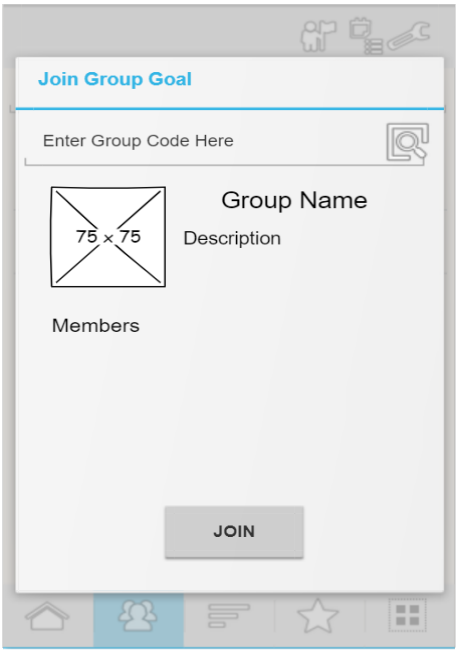
Mock-up for Android

1. Berk clicks the "Group Goals" navigation button and goes to that page.

2. He clicks the "Join Group" button from the floating button menu.

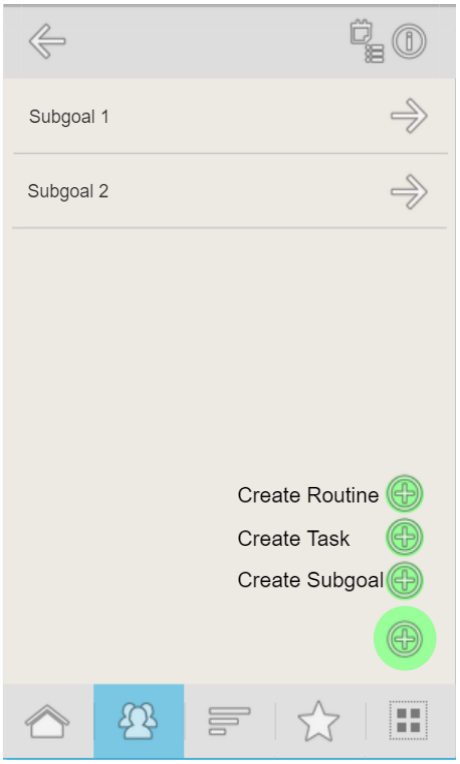


3. On this pop-up he enters his token into "Token" area and the group info will be displayed.

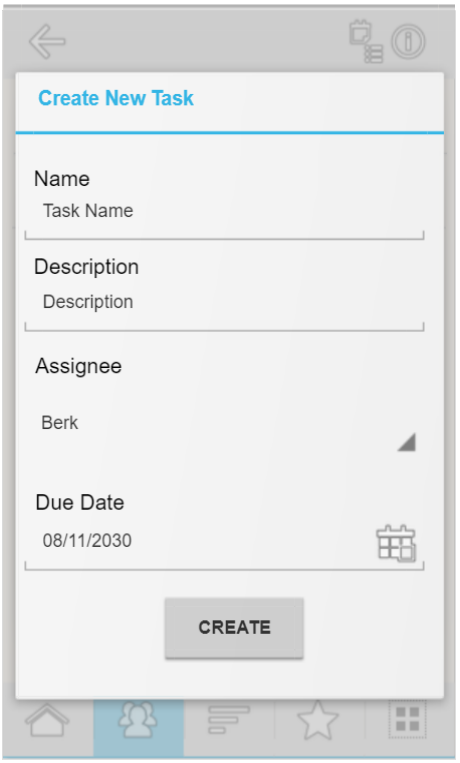


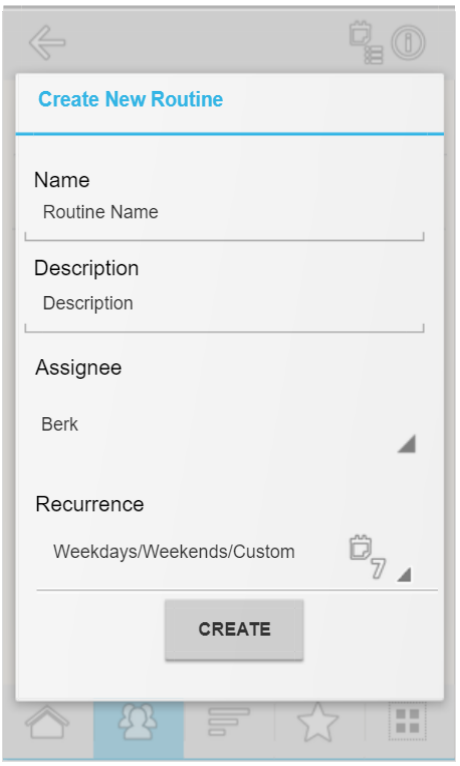
4. He clicks the join button and joins the group and goes to the homepage of the group.

5. He clicks the "Create new task/routine" button and a pop-up appears.

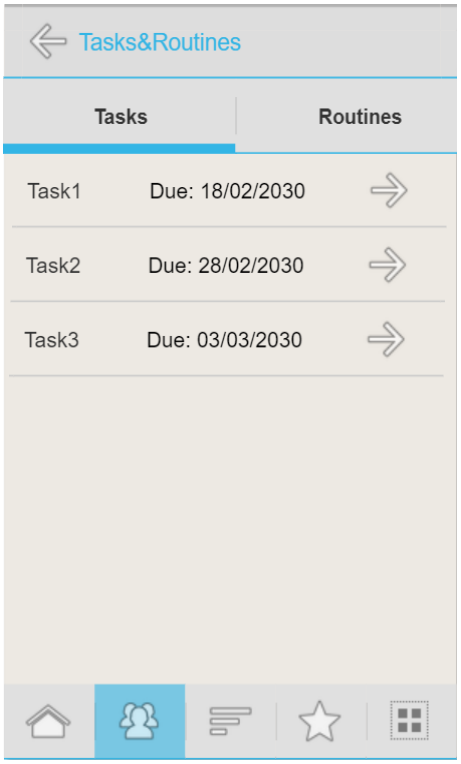


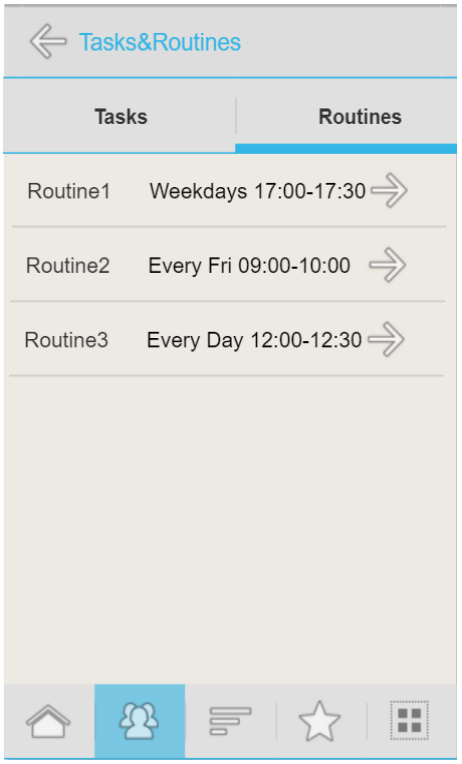
6. He enters the details of the task and creates it.





7. He opens the task/routine tab and views the task/routine he created.





Scenario #4

User and Persona

- Cansu
- Studying at an University online
- 21 years old
- Interested in theatre and Turkish series

Story

- Cansu is an active user of the product of Group-12.
- She is actively adding goals and following her plans daily.
- The moment that is given below is a daily routine for Cansu.
- She also follows her performance with different time scales.

Preconditions for Android Scenario

- Cansu has an up-to-date android device which is able to enter the application
- Cansu already has an account in the app
- Cansu is logged in to the applications
- She has already created some goals, tasks and routines

Preconditions for Web Scenario

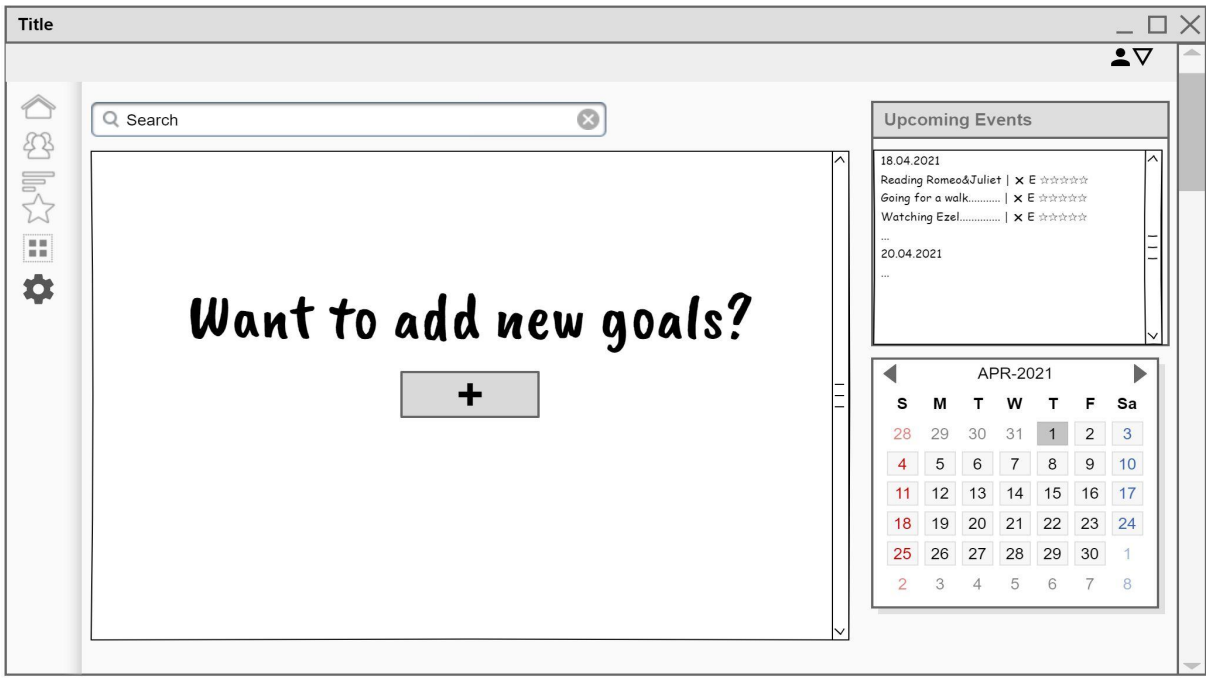
- Cansu has an up-to-date device which is able to enter the website
- Cansu already has an account
- She is logged in to the applications
- She has already created some goals, tasks and routines

Goals

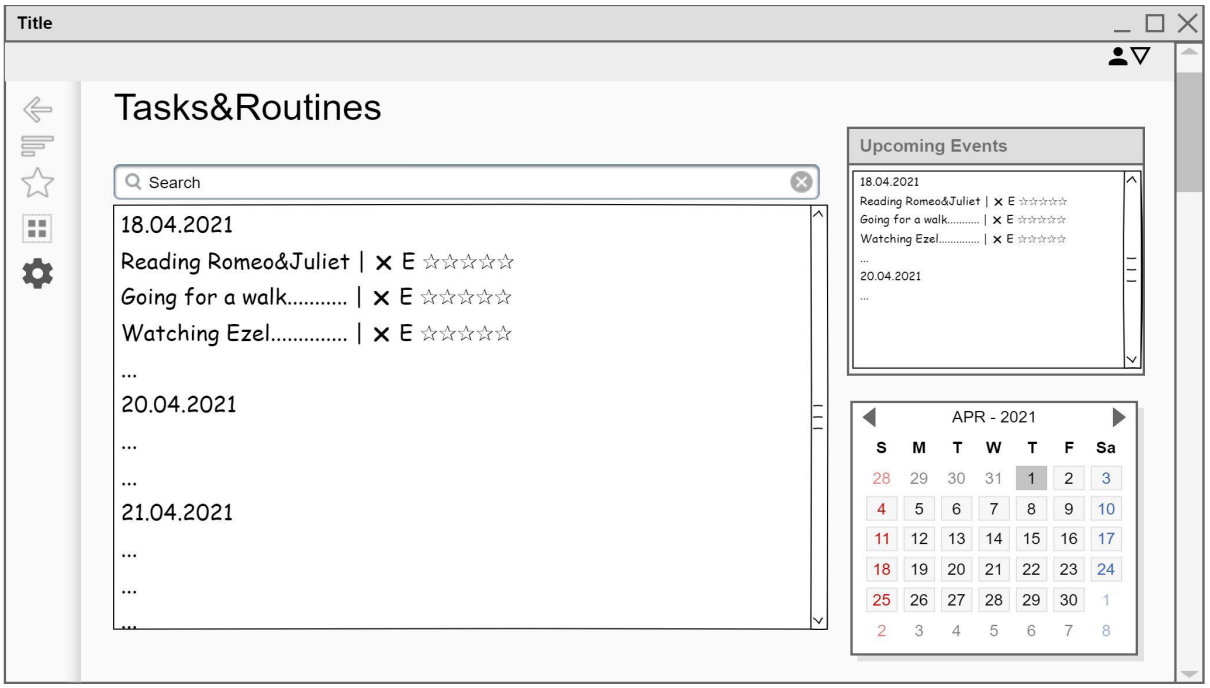
- Cansu wants to see her upcoming tasks and routines
- Cansu wants to evaluate her performance on her tasks and routines
- Cansu wants to see the analytics on her performance

Mock-up for Web

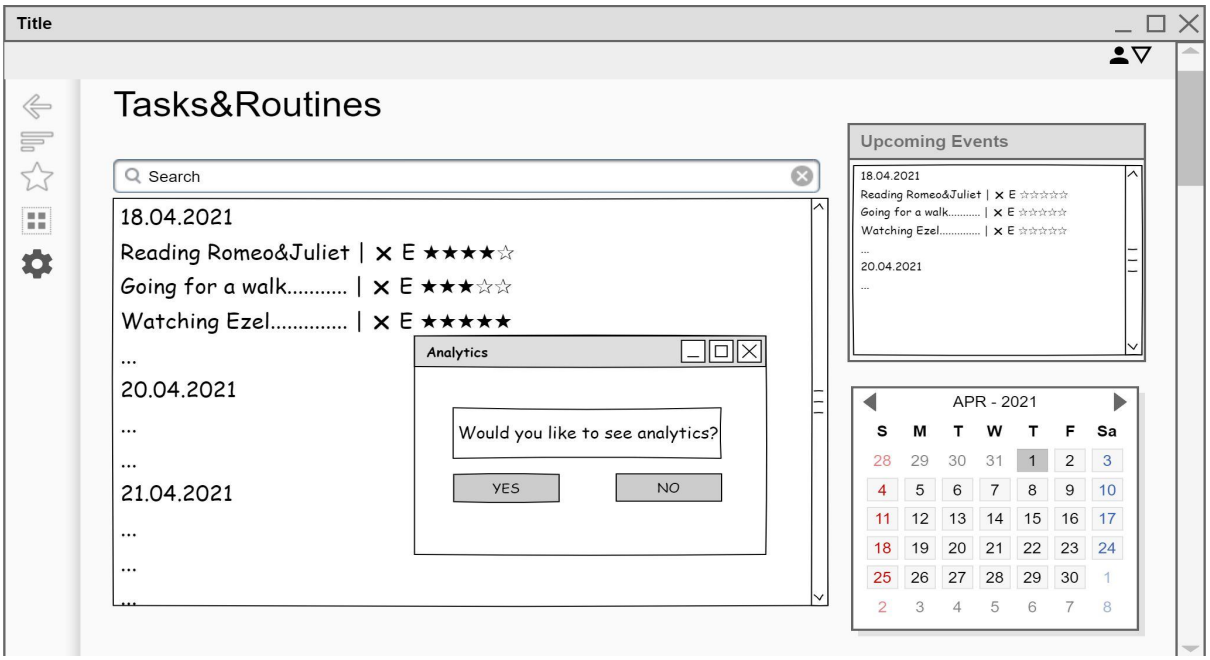
1- Cansu enters our website to see her upcoming events. She looks and clicks the upcoming events section at the right side.



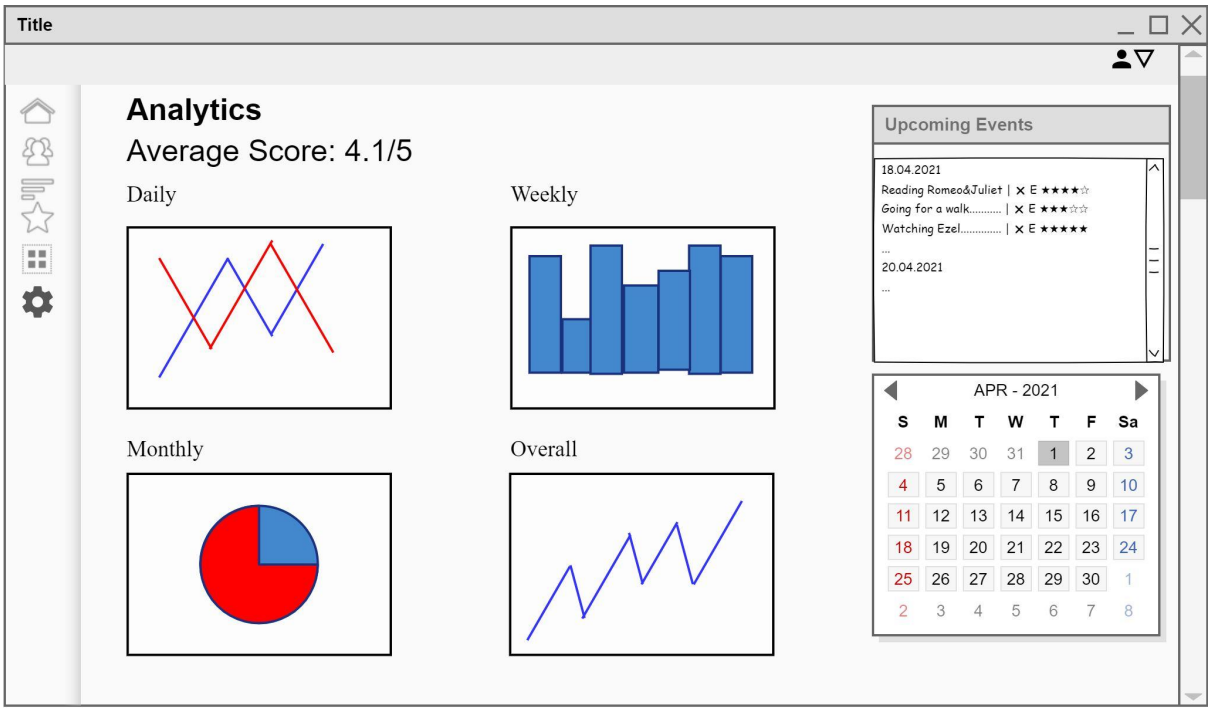
2- Cansu has been redirected to the Tasks & Routines page.



3- She has 3 options on the events that comes to its final time, canceling it, extending it or giving points. She chooses to give points to each. After giving points to each completed event, there is a pop-up window, Refo clicks 'Yes' and redirects to the Analytics page.

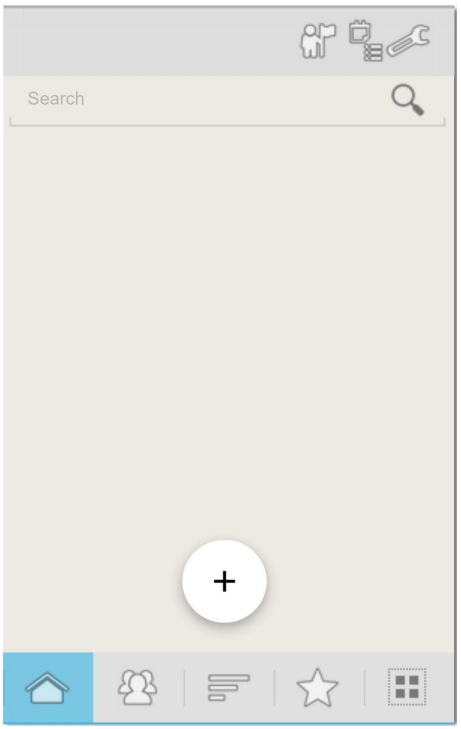


4- Cansu is now at the analytics page and sees her performance in different scales and different graphical options.

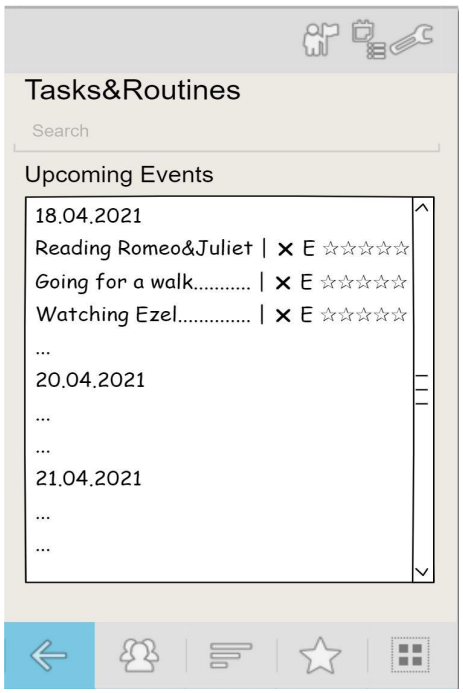


Mock-up for Android

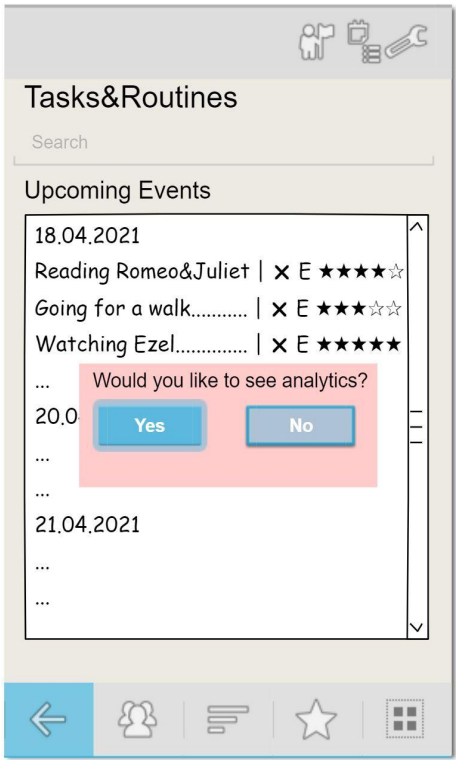
1- Cansu opens the application, then faces with the blank home page. Then presses the T&R button which is in the middle of the sub line.



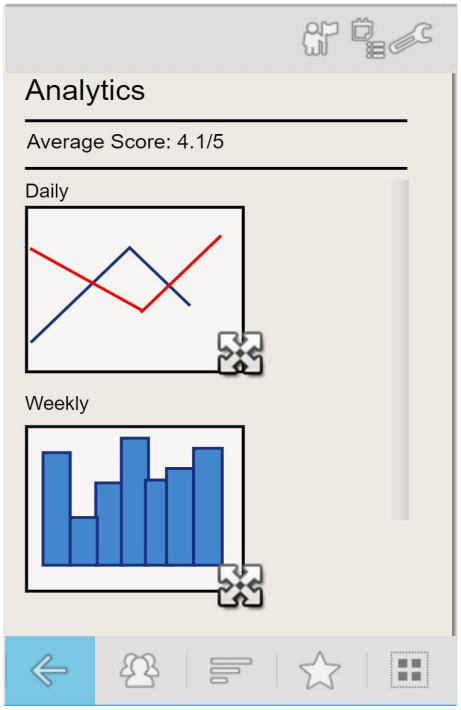
2- Cansu has been redirected to the Tasks & Routines page.



3- She gives points to each completed event. After giving points to each completed event, there is a pop-up window, Refo clicks 'Yes' and redirected to the Analytics page.



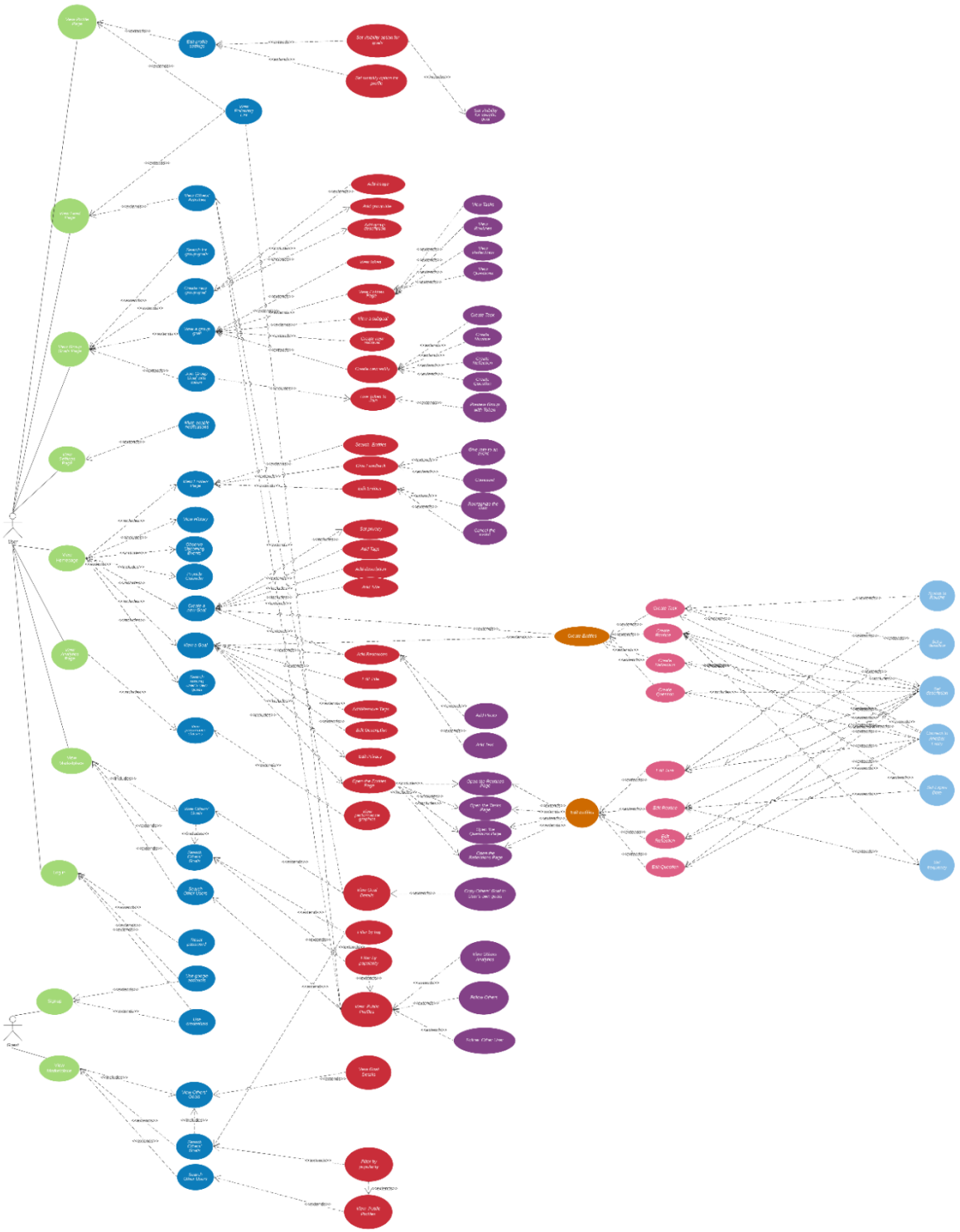
4- Cansu is now at the analytics page and see her performance in different scales and different graphical options.



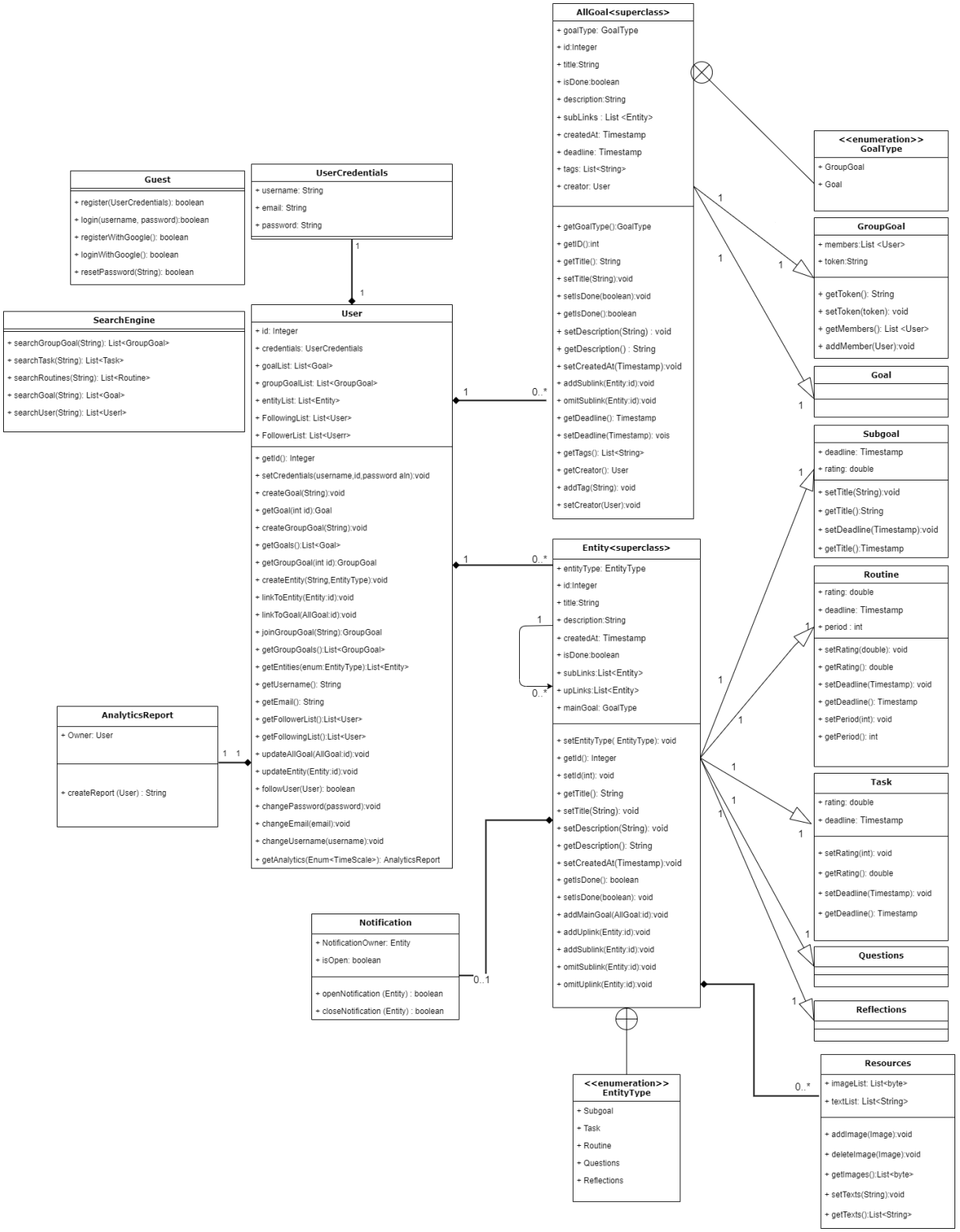
Diagrams

Use Case Diagram

Group12 Use Case Diagram

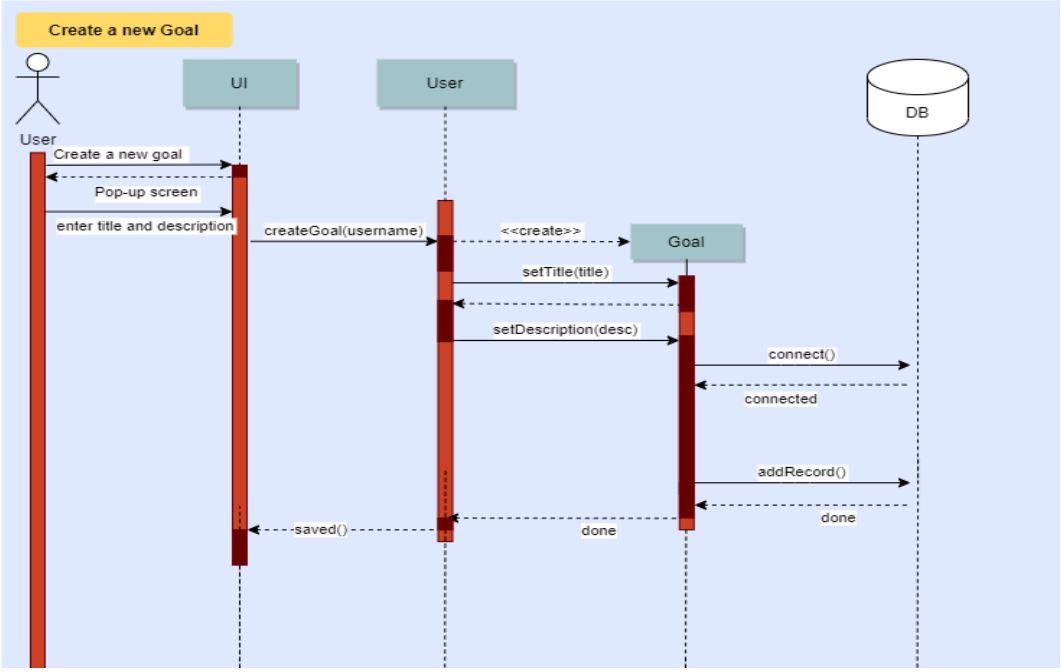


Class Diagram

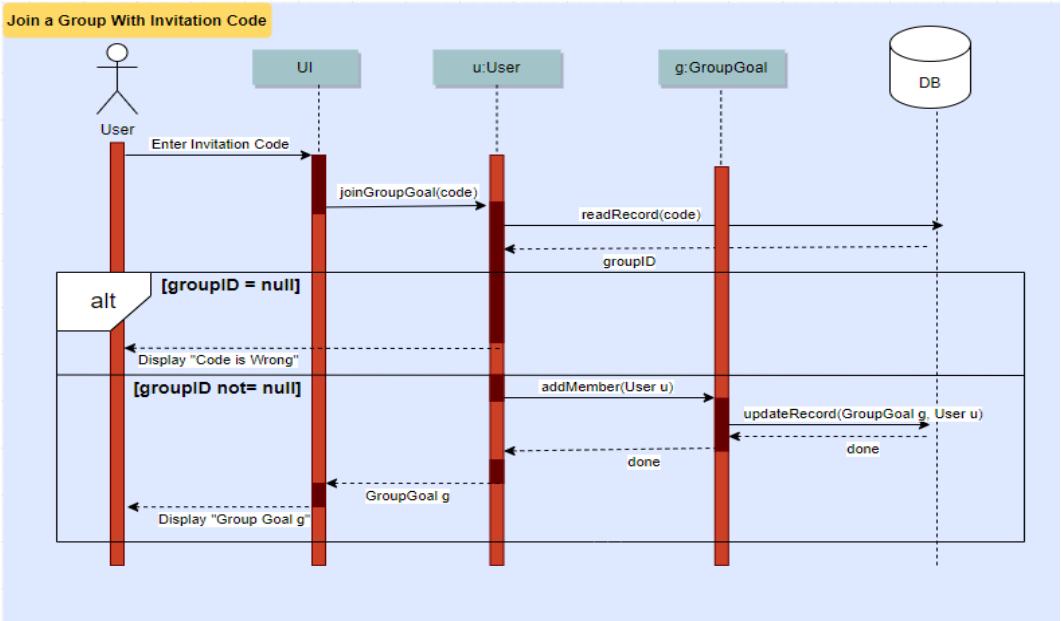


Sequence Diagrams

1. Creating a New Goal

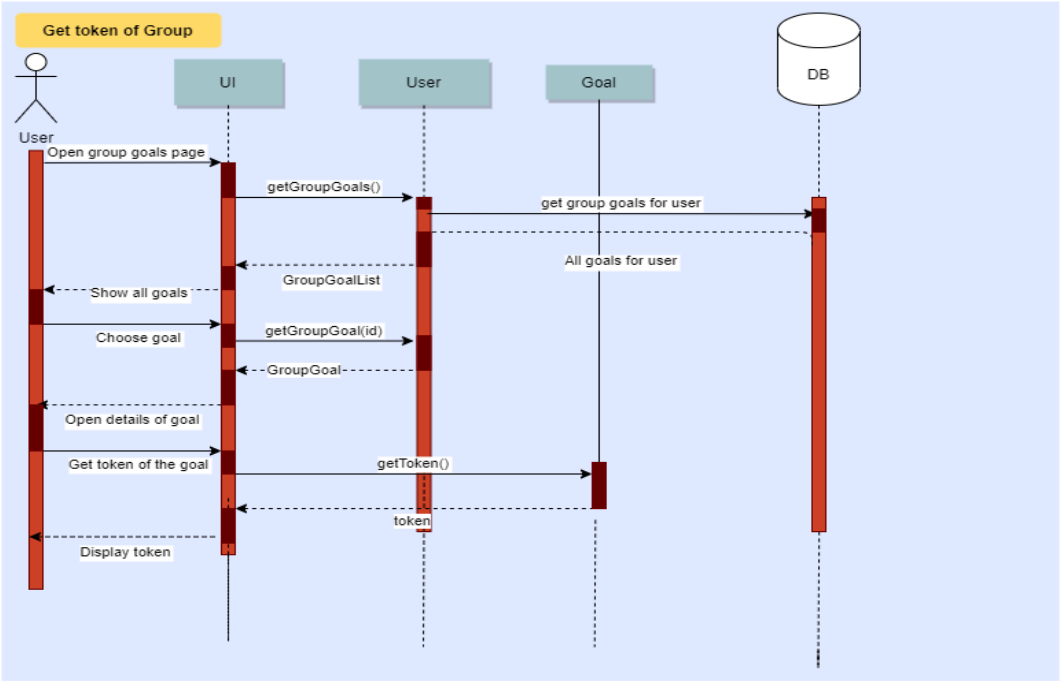


2. Joining a Group With Invitation Code

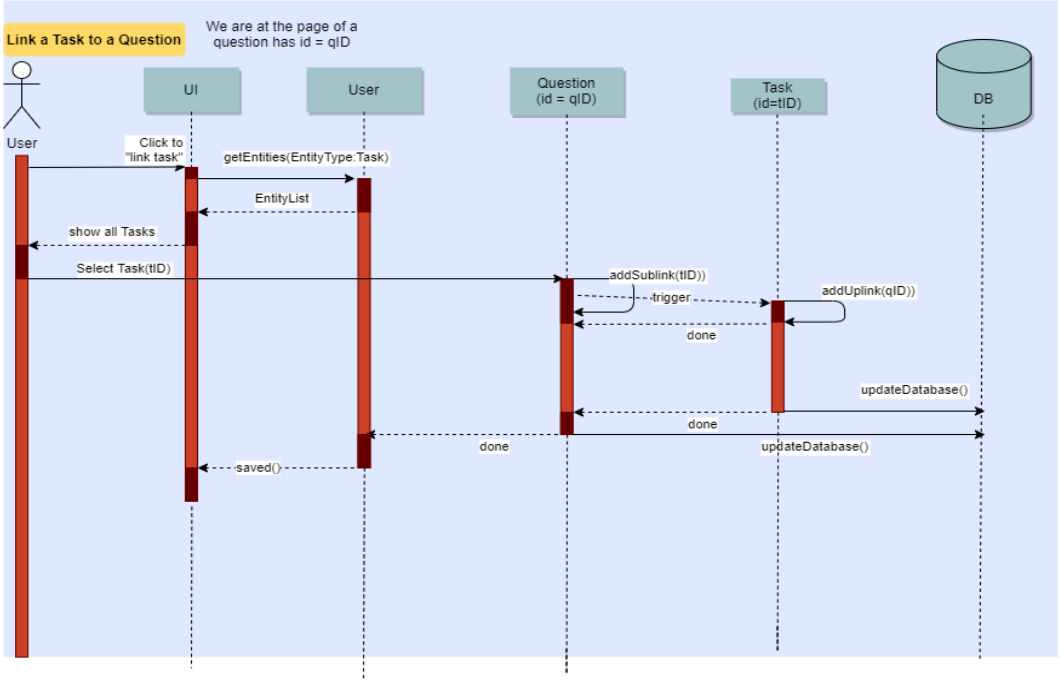


"Invitation Code" and "Token" words are interchangeable. They both represent the same thing.

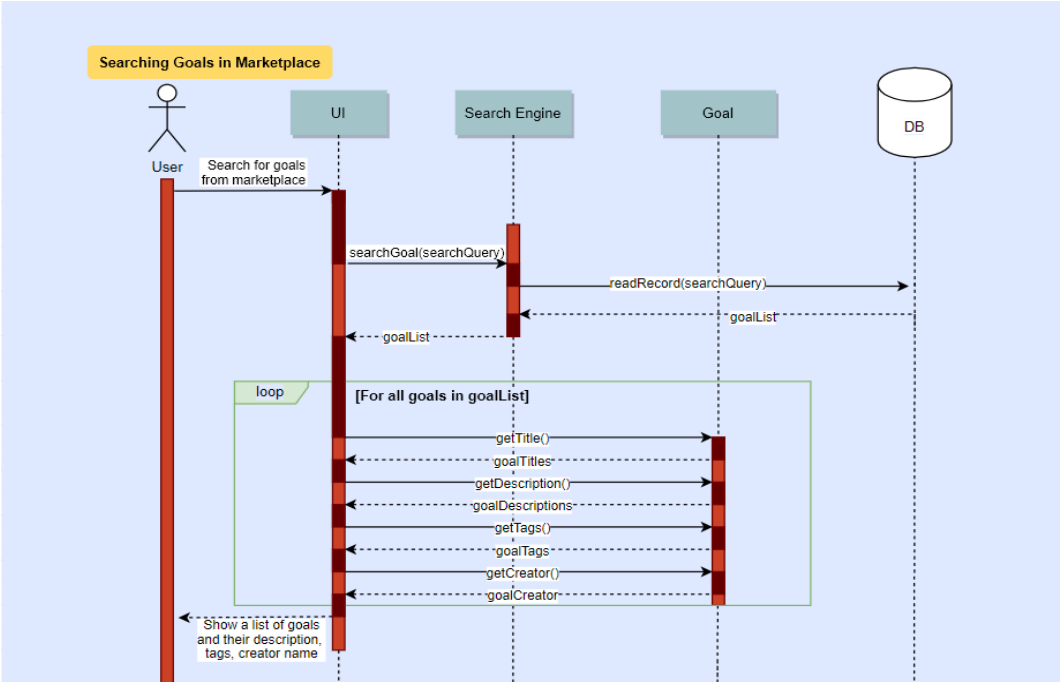
3. Getting token for a group goal



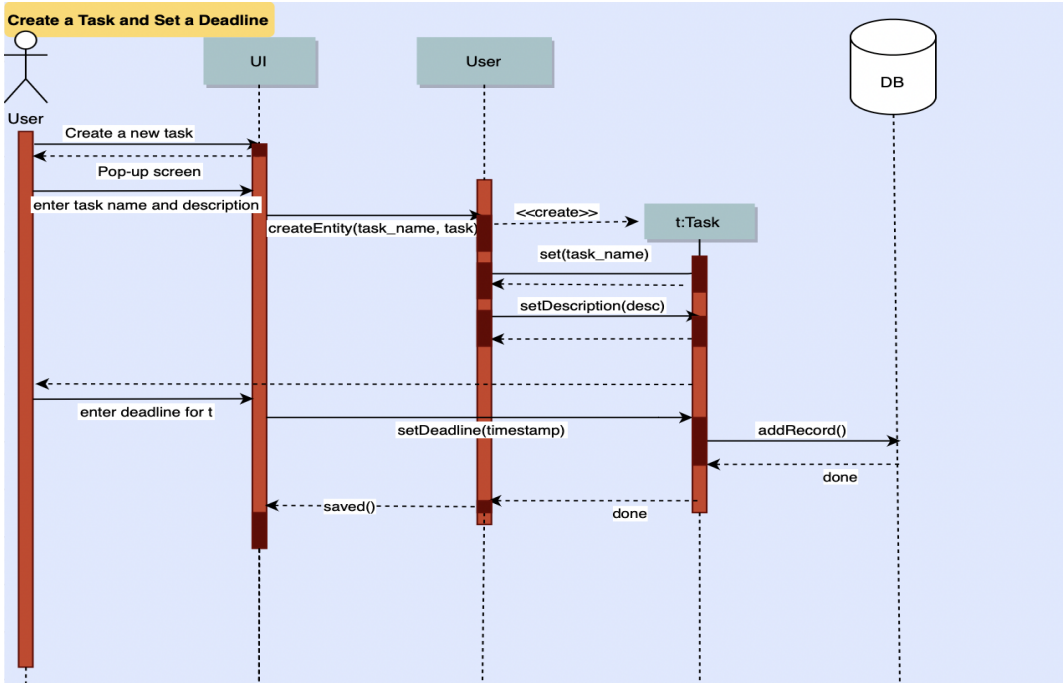
4. Link a Task to a Question



5. Searching Goals in Marketplace

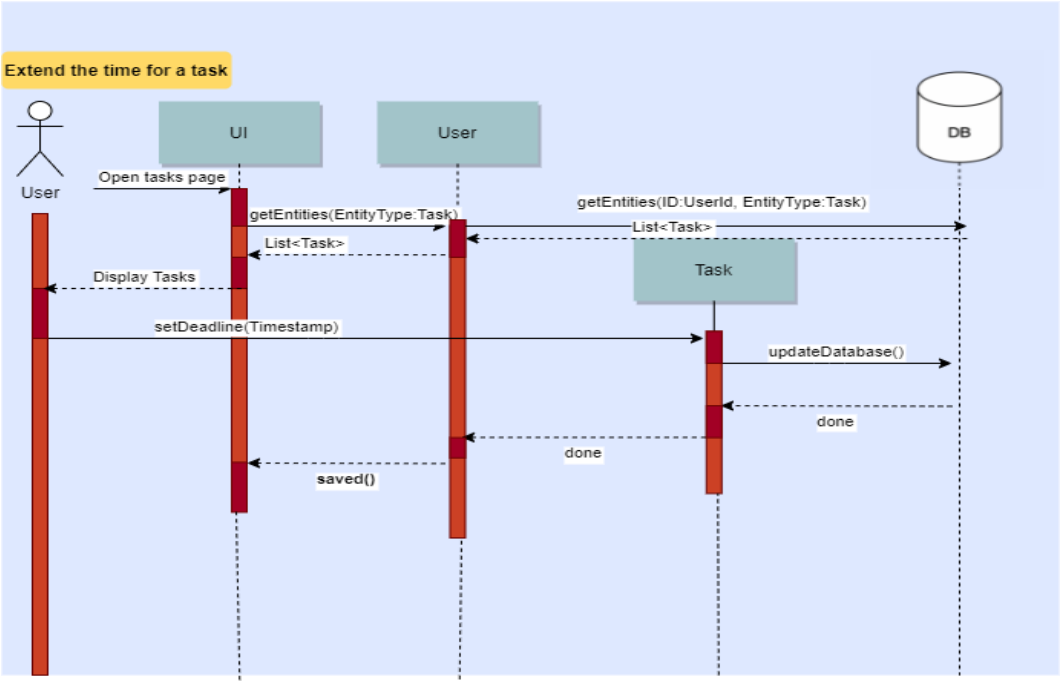


6. Creating a Task and Setting a Deadline

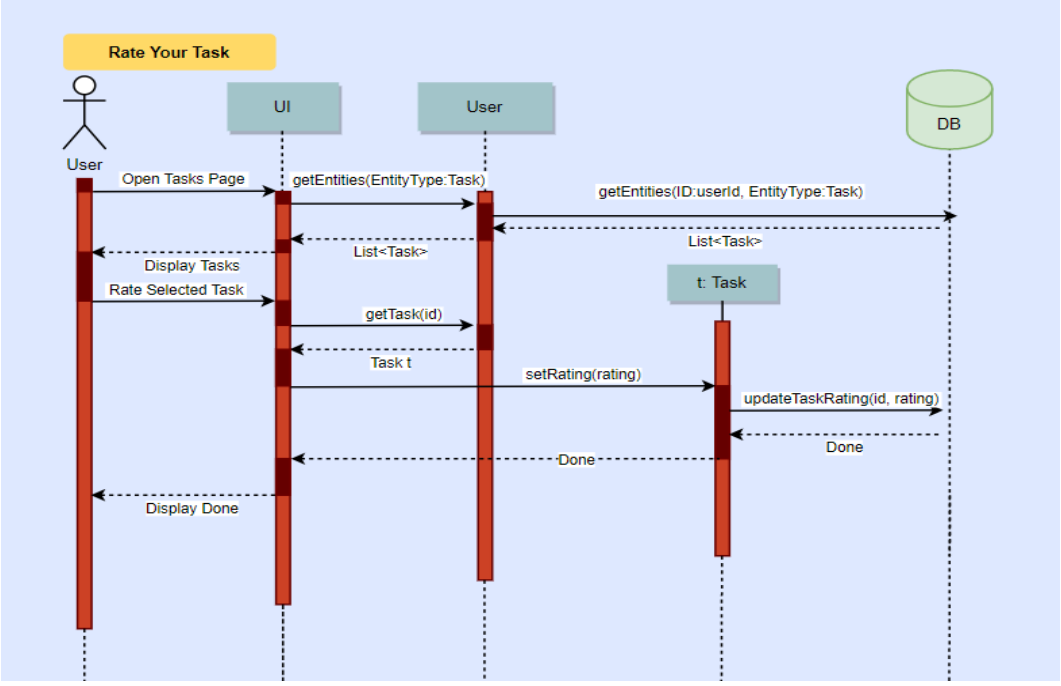


*Creation of a deadline is implemented while creating a task in web design. This diagram is consistent with the mobile design.

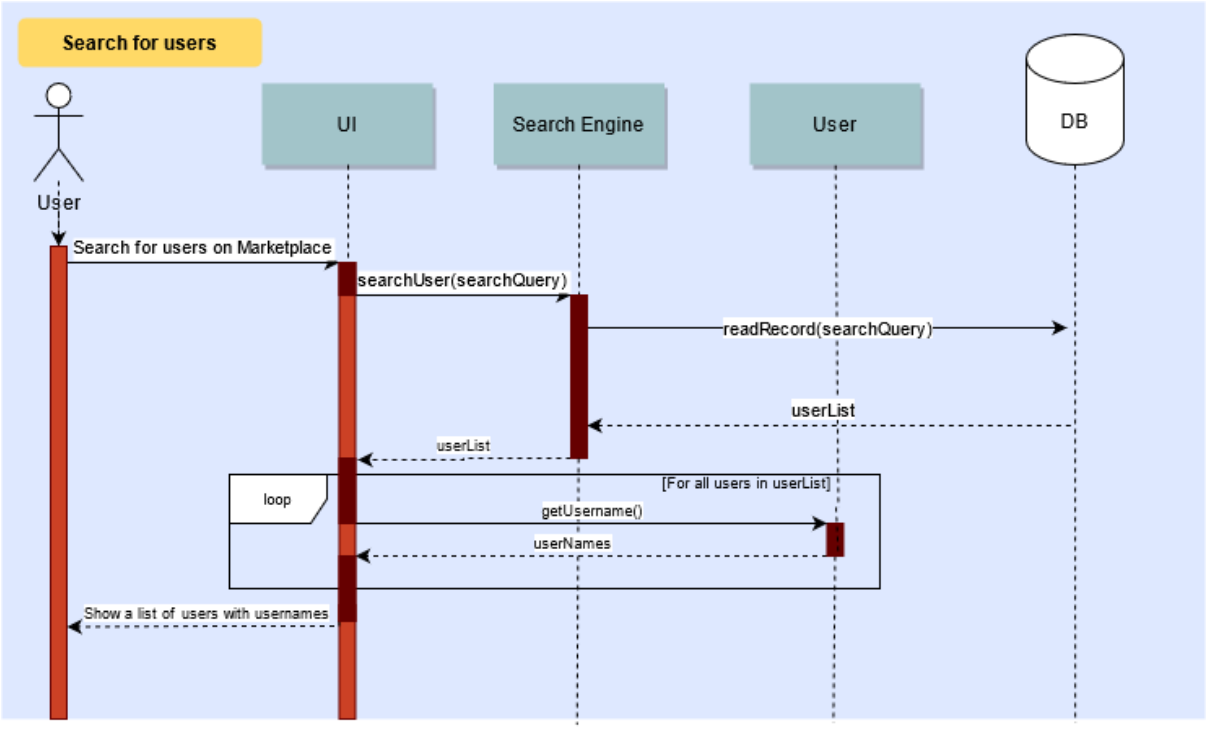
7. Extend Deadline For a Task



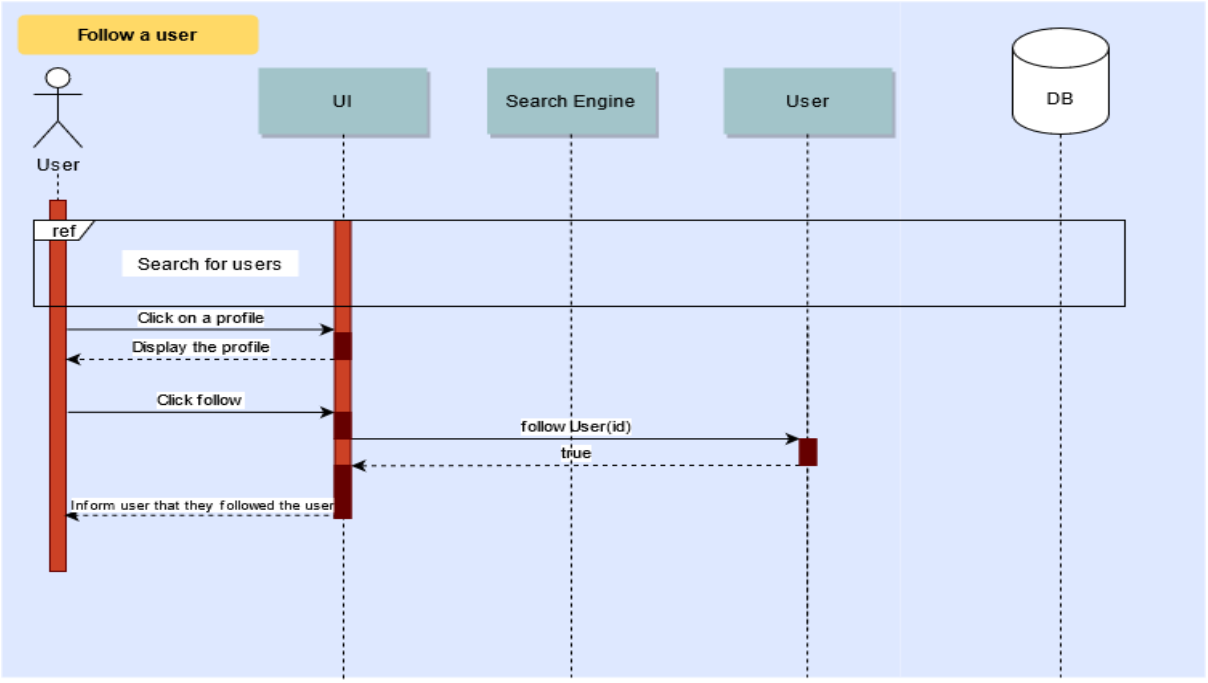
8. Rate a Completed Task



9. Search for Users



10. Follow a User



*draw.io webpage is used for drawings.

Project plan and RAM

RAM

L: Lead S: Secondary C: Contributor A: Approval R: Reviewer N: None	Adalet Veyis Turgut	Burakcan Kazım Yeşil	Ömer Yılmaz	Doğukan Türksoy	İhsan Gökcül	Zahit Batuhan Tongarlak	Kürşat Talha Berk Yamanoğlu	Refika Kalyoncu	Mehmet Gökay Yıldız
Orientation									
Researching about version control system	C	C	C	C	C	C	C	C	C
Researching favourite GitHub repositories	C	C	C	C	C	C	C	C	C
Researching about markdown	C	C	C	C	C	C	C	C	C
Creating Slack channel	L	N	N	N	N	N	N	N	N
Creating a discord channel	N	N	N	N	N	N	N	L	N
First group meeting	C	C	C	C	C	C	C	C	C
Documentation									
Creating wiki home page	C	L	N	N	N	N	N	C	N
Creating wiki sidebar	C	N	N	N	N	C	L	C	N
Creating readme.md file	R	N	N	N	N	N	N	N	L
Creating personal wiki pages	C	C	C	C	C	C	C	C	C
Creating personal effort pages	C	C	C	C	C	C	C	C	C
Preparing Communication Plan	N	N	L	N	N	N	N	N	N
Customizing issue labels	L	N	N	N	N	N	N	N	N
Creating favourite Github Repositories page	C	N	N	C	N	N	N	N	N
Creating version control system research page	C	C	N	N	N	L	N	N	C
Requirements									
Listing preferences of projects	C	C	C	C	C	C	C	C	C
Examining related software systems	C	C	C	C	C	C	C	C	C
Creating common and missing features table	S	N	S	N	L	N	N	N	N

Requirements analysis	S	C	C	C	C	C	C	L	C
Creating glossary	A	S	N	N	N	L	N	R	N
Creating user requirements	R	N	N	C	C	N	N	C	N
Creating system requirements	R	N	C	N	N	C	N	R	C
Creating non-functional requirements	L	N	N	N	N	N	N	R	N
Creating/altering customer questions	A	C	C	C	C	R	S	L	C
Customer meeting #1	C	N	C	C	C	R	C	C	C
Customer meeting #2	C	C	C	N	C	C	C	C	C
Documenting customer meeting notes	A	N	N	N	N	N	N	L	N
Revisions Regarding Customer Meetings									
Revising Glossary	S	N	N	N	N	L	N	R	N
Revising User Requirements	L	N	N	N	N	N	N	S	N
Revising System Requirements	L	N	N	N	N	N	N	S	N
Scenarios									
Creating Scenario #1	A	N	N	N	N	C	N	C	N
Creating Scenario #2	L	N	N	C	C	N	N	A	N
Creating Scenario #3.1	N	N	L	N	N	N	A	N	N
Creating Scenario #3.2	N	N	A	N	N	N	L	N	N
Creating Scenario #4	N	N	N	N	N	N	N	C	L
Web Mockups									
General outlines of Mockup	C	C	C	C	C	C	C	C	C
Creating Web Mockup for Scenario #1	A	N	N	N	N	L	N	C	N
Creating Web Mockup for Scenario #2	L	N	N	N	S	N	N	A	N
Creating Web Mockup for Scenario #3.1	N	N	L	N	N	N	A	N	N
Creating Web Mockup for Scenario #3.2	N	N	A	N	N	N	L	N	N
Creating Web Mockup for Scenario #4	N	N	N	N	N	N	N	A	L
Android Mockups									
Creating Android Mockup for Scenario #1	A	N	N	N	N	C	N	L	N
Creating Android Mockup for Scenario #2	N	N	N	L	N	N	N	N	N
Creating Android Mockup for Scenario #3.1	N	N	L	N	N	N	A	N	N
Creating Android Mockup for Scenario #3.2	N	N	A	N	N	N	L	N	N

Creating Android Mockup for Scenario #4	N	N	N	N	N	N	N	A	L
Diagrams									
Preparing Use Case Diagram	C	N	C	N	C	C	C	C	C
Preparing Class Diagram	C	C	N	C	N	N	N	C	C
Preparing Sequence Diagrams	C	C	C	C	C	C	C	C	C
Naming the Project									
Finding a suitable name for application	C	C	C	C	C	C	C	C	L
Creating Logo	C	C	C	C	C	C	C	C	C
Project Plan									
Planning Until	C	N	R	N	N	N	N	C	R
Planning After	R	N	C	N	N	N	N	R	C
Writing Executive Summary	R	N	N	N	N	N	L	N	N
Listing Deliverables	N	N	N	L	N	N	N	N	N
Evaluating Deliverables	N	L	N	N	N	N	N	N	N
Evaluating Tools	C	N	N	N	N	N	N	C	N
Creating Table of Work Done by Each Member	N	N	N	N	N	L	N	N	N
Creating RAM	C	N	C	N	N	N	N	C	C
Creating Project Plan Table	C	C	N	N	C	N	C	C	N
Merging all	N	N	N	N	C	C	N	N	N
Milestone 1	C	C	C	C	C	C	C	C	C
Review & Revisions									
Review Mockup	R	R	C	R	C	R	R	C	R
Review Requirements	R	C	R	R	R	C	C	R	R
Review Class Diagram	C	R	R	C	R	R	R	R	C
Review Sequence Diagram	C	C	C	C	C	C	C	C	C
Essentials of the Project									
Research on APIs	C	C	C	C	C	C	C	C	C
Research on Databases	C	C	C	C	C	C	C	C	C
Research on Servers	C	C	C	C	C	C	C	C	C
Determine a Requirement Tracking System	C	C	C	C	C	C	C	C	C
Provisional Design of the Project Structure									

Provisional Design of Backend	C	C	C	C	C	C	C	C	C
Provisional Design of Frontend	C	C	C	C	C	C	C	C	C
Provisional Design of Database Structure	C	C	C	C	C	C	C	C	C
API & Prototyping									
API Usage	C	C	C	C	C	C	C	C	C
Design of API	C	C	C	C	C	C	C	C	C
Milestone 2	C	C	C	C	C	C	C	C	C
Arrange Teams	C	C	C	C	C	C	C	C	C
Revise Requirements, Designs, Plans	C	C	C	C	C	C	C	C	C
Group Meetings									
All	C	C	C	C	C	C	C	C	C
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
Pre Implementation									
Backend									
Initialize Server	C	C	C	R	R	R	R	R	R
Frontend									
Create Initial Design	R	R	R	C	C	C	R	R	R
Android									
Create Initial Design	R	R	R	R	R	R	C	C	C
Test Cases									
Implement test cases for login and register	C	C	C	C	C	C	C	C	C
Login Register									
Backend									
Implement User, User Credentials and Guest Classes	L	C	R	A	A	A	A	A	A
Implement Register System	L	R	C	A	A	A	A	A	A
Implement Login System	R	L	C	A	A	A	A	A	A
Implement Reset Password System	R	C	L	A	A	A	A	A	A
Frontend									
Register Page	A	A	A	L	R	C	A	A	A

Login Page	A	A	A	C	L	R	A	A	A
Reset Password Page	A	A	A	R	C	L	A	A	A
Android									
Register Page	A	A	A	A	A	A	L	R	C
Login Page	A	A	A	A	A	A	C	L	R
Reset Password Page	A	A	A	A	A	A	R	C	L
GoalSpace									
Backend									
AllGoal, Goal Classes	L	C	R	A	A	A	A	A	A
Entity, Subgoal, Routine, Task, Questions, Reflection	R	L	C	A	A	A	A	A	A
Resources, Labeling and Classification	C	R	L	A	A	A	A	A	A
Frontend									
Goals page	A	A	A	L	C	R	A	A	A
New Goal Page	A	A	A	R	L	C	A	A	A
New Entity Page	A	A	A	C	R	L	A	A	A
Subpages in goals page	A	A	A	L	C	R	A	A	A
Android									
Goals page	A	A	A	A	A	A	L	C	R
New Goal Page	A	A	A	A	A	A	R	L	C
New Entity Page	A	A	A	A	A	A	C	R	L
Subpages in goals page	A	A	A	A	A	A	L	C	R
Testing									
Test Creation of Goal and other Entity pages	C	C	C	C	C	C	C	C	C
Test Editing of Goal&Entity Pages	C	C	C	C	C	C	C	C	C
Test Linking of Entities and Goals	C	C	C	C	C	C	C	C	C
Test Labeling	C	C	C	C	C	C	C	C	C
Milestone 3	C	C	C	C	C	C	C	C	C
Group Goal									
Backend									
Group Goal	L	C	R	A	A	A	A	A	A
Integration of goal and members	R	L	C	A	A	A	A	A	A

Frontend									
Group Goal page	A	A	A	R	L	C	A	A	A
New Group Goal Page	A	A	A	C	R	L	A	A	A
New Entity Page	A	A	A	L	C	R	A	A	A
Subpages in goals page	A	A	A	R	L	C	A	A	A
Members Page	A	A	A	C	R	L	A	A	A
Android									
Group Goal page	A	A	A	A	A	A	R	L	C
New Group Goal Page	A	A	A	A	A	A	C	R	L
New Entity Page	A	A	A	A	A	A	L	C	R
Subpages in goals page	A	A	A	A	A	A	R	L	C
Members Page	A	A	A	A	A	A	C	R	L
Calendar									
Backend									
Calendar System	C	R	L	A	A	A	A	A	A
Frontend									
Calendar Page	A	A	A	L	C	R	A	A	A
Android									
Calendar Page	A	A	A	A	A	A	L	C	R
Analytics									
Backend									
Analytics System	L	C	R	A	A	A	A	A	A
Frontend									
Analytics Page	A	A	A	R	L	C	A	A	A
Android									
Analytics Page	A	A	A	A	A	A	R	L	C
User Profile									
Backend									
Privacy System	R	L	C	A	A	A	A	A	A
Follow System	C	R	L	A	A	A	A	A	A
Frontend									
Profile page	A	A	A	C	R	L	A	A	A

Android									
Profile Page	A	A	A	A	A	A	C	R	L
Search Engine									
Backend									
User, Goal semantic search	L	C	R	A	A	A	A	A	A
Sorting system	R	L	C	A	A	A	A	A	A
Filter System	C	R	L	A	A	A	A	A	A
Frontend									
Marketplace page	A	A	A	L	C	R	A	A	A
Search Results Page	A	A	A	R	L	C	A	A	A
Android									
Marketplace page	A	A	A	A	A	A	L	C	R
Search Results Page	A	A	A	A	A	A	R	L	C
Milestone 4	C	C	C	C	C	C	C	C	C
Feed Page									
Backend									
Activity Stream System	L	C	R	A	A	A	A	A	A
Frontend									
Feed Page	A	A	A	C	R	L	A	A	A
Android									
Feed Page	A	A	A	A	A	A	C	R	L
Notification									
Backend									
Notification System	R	L	C	A	A	A	A	A	A
Frontend									
Notification Page	A	A	A	L	C	R	A	A	A
Android									
Notification Page	A	A	A	A	A	A	L	C	R
HomePage									
Backend									
Frontend									
Homepage	A	A	A	R	L	C	A	A	A

Android									
Homepage	A	A	A	A	A	A	R	L	C
Milestone 5	C	C	C	C	C	C	C	C	C

Project plan

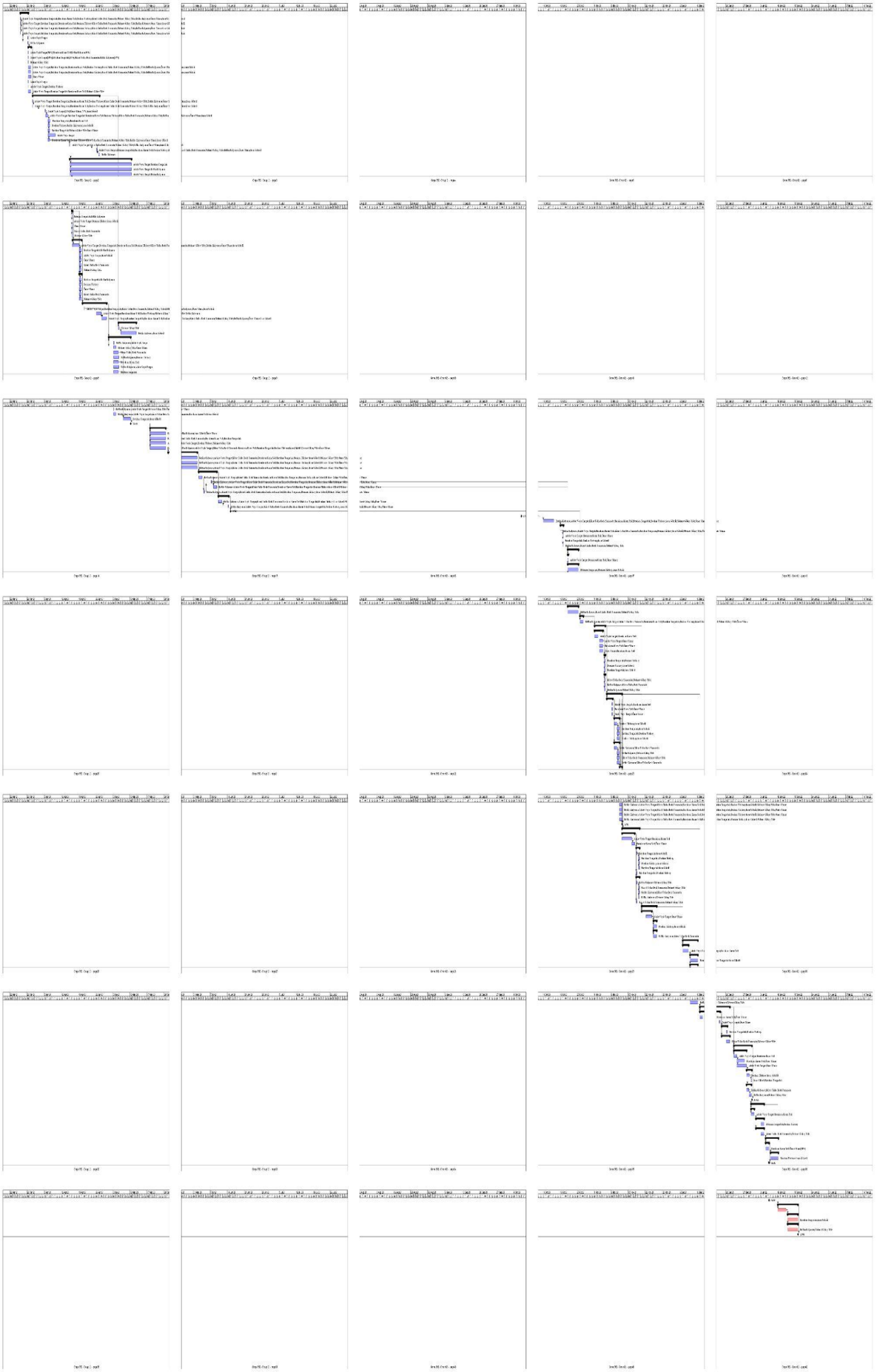
		Name	Duration	Start	Finish	Predecessors	Resource Names
1		**Orientation**	**3.5 days?**	**26/03/21 08:00**	**29/03/21 13:00**		
2		First group meeting	0.056 days?	26/03/21 08:00	26/03/21 08:26		Adalet Veyis Turgut;Batuhan Tongarlak;Burakcan K...
3		Researching about version control system	0.222 days?	26/03/21 08:26	26/03/21 10:13	2	Adalet Veyis Turgut;Batuhan Tongarlak;Burakcan K...
4		Researching favourite GitHub repositories	0.222 days?	26/03/21 08:26	26/03/21 10:13	2	Adalet Veyis Turgut;Batuhan Tongarlak;Burakcan K...
5		Researching about markdown	0.222 days?	26/03/21 08:26	26/03/21 10:13	2	Adalet Veyis Turgut;Batuhan Tongarlak;Burakcan K...
6		Creating Slack channel	0.5 days?	27/03/21 08:00	29/03/21 13:00	2	Adalet Veyis Turgut
7		Creating a discord channel	0.5 days?	27/03/21 08:00	29/03/21 13:00	2	Refika Kalyoncu
8		**Documentation**	**1.5 days**	**29/03/21 13:00**	**30/03/21 17:00**	**1**	
9		Creating wiki home page	0 days	29/03/21 13:00	29/03/21 13:00		Adalet Veyis Turgut[50%];Burakcan Kazm Yeil;Re...
10		Creating wiki sidebar	0 days	29/03/21 13:00	29/03/21 13:00		Adalet Veyis Turgut[50%];Batuhan Tongarlak[50%...
11		Creating readme.md file	0 days	29/03/21 13:00	29/03/21 13:00		Mehmet Gökay Yldz
12		Creating personal wiki pages	1.081 days	29/03/21 13:00	30/03/21 13:39		Adalet Veyis Turgut;Batuhan Tongarlak;Burakcan K...
13		Creating personal effort pages	1.081 days	29/03/21 13:00	30/03/21 13:39		Adalet Veyis Turgut;Batuhan Tongarlak;Burakcan K...
14		Preparing Communication Plan	1.5 days	29/03/21 13:00	30/03/21 17:00		Ömer Ylmaz
15		Customizing issue labels	0 days	29/03/21 13:00	29/03/21 13:00		Adalet Veyis Turgut
16		Creating favourite Github Repositories page	0.2 days	29/03/21 13:00	29/03/21 14:36		Adalet Veyis Turgut;Doukan Türksoy
17		Creating version control system research page	1.077 days	29/03/21 13:00	30/03/21 13:36		Adalet Veyis Turgut;Batuhan Tongarlak;Burakcan K...
18		**Requirements**	**28 days?**	**31/03/21 08:00**	**27/04/21 17:00**	**8**	
19		Listing preferences of projects	0.083 days?	31/03/21 08:00	31/03/21 08:39		Adalet Veyis Turgut;Batuhan Tongarlak;Burakcan K...
20		Examining related software systems	0.083 days?	31/03/21 08:39	31/03/21 09:19	19	Adalet Veyis Turgut;Batuhan Tongarlak;Burakcan K...
21		Creating common and missing features table	2.878 days	02/04/21 17:00	05/04/21 16:01	20	Adalet Veyis Turgut[75%];Ömer Ylmaz[75%];hsa...
22		Requirements analysis	0.732 days	05/04/21 16:01	06/04/21 13:52	21	Adalet Veyis Turgut;Batuhan Tongarlak;Burakcan K...
23		Creating glossary	1.125 days?	06/04/21 13:52	07/04/21 14:52	22	Batuhan Tongarlak;Burakcan Kazm Yeil
24		Creating user requirements	0.417 days?	06/04/21 13:52	07/04/21 08:12	22	Doukan Türksoy;Refika Kalyoncu;hsan Gökcül
25		Creating system requirements	0.417 days?	06/04/21 13:52	07/04/21 08:12	22	Batuhan Tongarlak;Mehmet Gökay Yldz;Ömer Ylmaz
26		Creating non-functional requirements	3.25 days?	06/04/21 13:52	09/04/21 15:52	22	Adalet Veyis Turgut
27		Creating/altering customer questions	0.429 days?	06/04/21 13:52	07/04/21 08:18	22	Burakcan Kazm Yeil;Doukan Türksoy;Kürat Talh...
28		Customer meeting #1	0.292 days?	15/04/21 10:00	15/04/21 13:20	27	Adalet Veyis Turgut;Kürat Talha Berk Yamanolu;...
29		Customer meeting #2	2.254 days	24/04/21 11:00	26/04/21 14:01	27;28	Adalet Veyis Turgut;Batuhan Tongarlak;Burakcan K...
30		Documenting customer meeting notes	1 day?	26/04/21 17:00	27/04/21 17:00	28;29	Refika Kalyoncu
31		**Revisions Regarding Customer Meetings**	**25.458 days?**	**15/04/21 13:20**	**10/05/21 17:00**	**28**	
32		Revising Glossary	25.458 days?	15/04/21 13:20	10/05/21 17:00	28	Adalet Veyis Turgut;Batuhan Tongarlak
33		Revising User Requirements	25.458 days?	15/04/21 13:20	10/05/21 17:00	28	Adalet Veyis Turgut;Refika Kalyoncu
34		Revising System Requirements	25.458 days?	15/04/21 13:20	10/05/21 17:00	28	Adalet Veyis Turgut;Refika Kalyoncu

		Name	Duration	Start	Finish	Predecessors	Resource Names
35		**Scenarios**	**0.75 days?**	**16/04/21 08:00**	**16/04/21 15:00**	**28**	
36		Creating Scenario #1	0.375 days?	16/04/21 08:00	16/04/21 11:00	28	Batuhan Tongarlak;Refika Kalyoncu
37		Creating Scenario #2	0.25 days?	16/04/21 08:00	16/04/21 10:00	28	Adalet Veyis Turgut;Doukan Türksoy;hsan Gökcül
38		Creating Scenario #3.1	0.75 days?	16/04/21 08:00	16/04/21 15:00	28	Ömer Ylmaz
39		Creating Scenario #3.2	0.75 days?	16/04/21 08:00	16/04/21 15:00	28	Kürat Talha Berk Yamanolu
40		Creating Scenario #4	0.75 days?	16/04/21 08:00	16/04/21 15:00	28	Mehmet Gökay Yldz
41		**Web Mockups**	**3.4 days?**	**16/04/21 15:00**	**20/04/21 09:12**	**35**	
42		General outlines of Mockup	2.4 days	16/04/21 15:00	19/04/21 09:12	35	Adalet Veyis Turgut;Batuhan Tongarlak;Burakcan K...
43		Creating Web Mockup for Scenario #1	1 day	19/04/21 09:12	20/04/21 09:12	42	Batuhan Tongarlak;Refika Kalyoncu
44		Creating Web Mockup for Scenario #2	1 day	19/04/21 09:12	20/04/21 09:12	42	Adalet Veyis Turgut;hsan Gökcül
45		Creating Web Mockup for Scenario #3.1	1 day?	19/04/21 09:12	20/04/21 09:12	42	Ömer Ylmaz
46		Creating Web Mockup for Scenario #3.2	1 day?	19/04/21 09:12	20/04/21 09:12	42	Kürat Talha Berk Yamanolu
47		Creating Web Mockup for Scenario #4	1 day?	19/04/21 09:12	20/04/21 09:12	42	Mehmet Gökay Yldz
48		**Android Mockups**	**1 day?**	**19/04/21 09:12**	**20/04/21 09:12**	**42;35**	
49		Creating Andriod Mockup for Scenario #1	1 day	19/04/21 09:12	20/04/21 09:12	42	Batuhan Tongarlak;Refika Kalyoncu
50		Creating Andriod Mockup for Scenario #2	1 day?	19/04/21 09:12	20/04/21 09:12	42	Doukan Türksoy
51		Creating Andriod Mockup for Scenario #3.1	1 day?	19/04/21 09:12	20/04/21 09:12	42	Ömer Ylmaz
52		Creating Andriod Mockup for Scenario #3.2	1 day?	19/04/21 09:12	20/04/21 09:12	42	Kürat Talha Berk Yamanolu
53		Creating Andriod Mockup for Scenario #4	1 day?	19/04/21 09:12	20/04/21 09:12	42	Mehmet Gökay Yldz
54		**Diagrams**	**9.637 days?**	**20/04/21 17:00**	**30/04/21 14:05**	**41;48**	
55		Preparing Use Case Diagram	0.571 days?	20/04/21 17:00	21/04/21 13:34		Adalet Veyis Turgut;Batuhan Tongarlak;Kürat Talh...
56		Preparing Class Diagram	4.321 days?	23/04/21 17:00	28/04/21 10:34		Adalet Veyis Turgut;Burakcan Kazm Yeil;Doukan ...
57		Preparing Sequence Diagrams	2.316 days?	28/04/21 10:34	30/04/21 14:05	55;56	Adalet Veyis Turgut;Batuhan Tongarlak;Burakcan K...
58		**Logo and Name**	**7.75 days?**	**05/05/21 10:00**	**12/05/21 17:00**		
59		Finding a suitable name for application	0.75 days?	05/05/21 10:00	05/05/21 17:00	18	Mehmet Gökay Yldz
60		Creating logo	7 days	06/05/21 08:00	12/05/21 17:00	59	Refika Kalyoncu;hsan Gökcül
61		**Project Plan**	**9 days?**	**01/05/21 10:00**	**10/05/21 10:00**	**54**	
62		Planning Until	2.75 days?	01/05/21 10:00	03/05/21 17:00	54	Refika Kalyoncu;Adalet Veyis Turgut
63		Planning After	3.125 days?	01/05/21 10:00	04/05/21 11:00	54	Mehmet Gökay Yldz;Ömer Ylmaz
64		Writing Executive Summary	2 days	03/05/21 10:00	05/05/21 10:00		Kürat Talha Berk Yamanolu
65		Listing Deliverables	2.5 days	03/05/21 10:00	05/05/21 15:00		Refika Kalyoncu;Doukan Türksoy
66		Evaluating Deliverables	2 days	03/05/21 10:00	05/05/21 10:00		Burakcan Kazm Yeil
67		Evaluating Tools	2.5 days	03/05/21 10:00	05/05/21 15:00		Refika Kalyoncu;Adalet Veyis Turgut
68		Creating Table of Work Done by Each Member	2 days	03/05/21 10:00	05/05/21 10:00		Batuhan Tongarlak

		Name	Duration	Start	Finish	Predecessors	Resource Names
69		Creating RAM	2.25 days	01/05/21 10:00	03/05/21 13:00		Refika Kalyoncu;Adalet Veyis Turgut;Mehmet Göka...
70		Creating Project Plan Table	1 day	03/05/21 10:00	04/05/21 10:00		Refika Kalyoncu;Adalet Veyis Turgut;Kürat Talha B...
71		Merging all	3 days	07/05/21 10:00	10/05/21 10:00	65;66;69;64;...	Batuhan Tongarlak;hsan Gökcül
72		Milestone 1	0 days	10/05/21 10:00	10/05/21 10:00	61	Adalet Veyis Turgut;Batuhan Tongarlak;Burakcan K...
73		**Review & Revisions**	**7 days**	**18/05/21 08:00**	**24/05/21 17:00**		
74		Review Mockup	7 days	18/05/21 08:00	24/05/21 17:00	72	Refika Kalyoncu;hsan Gökcül;Ömer Ylmaz
75		Review Requirements	7 days	18/05/21 08:00	24/05/21 17:00	72	Kürat Talha Berk Yamanolu;Burakcan Kazm Yeil;...
76		Review Class Diagram	7 days	18/05/21 08:00	24/05/21 17:00	72	Adalet Veyis Turgut;Doukan Türksoy;Mehmet Gök...
77		Review Sequence Diagram	7 days	18/05/21 08:00	24/05/21 17:00	72	Refika Kalyoncu;Adalet Veyis Turgut;Kürat Talha B...
78		**Essentials of the Project**	**7 days**	**25/05/21 17:00**	**01/06/21 17:00**	**73**	
79		Research on APIs	7 days	25/05/21 17:00	01/06/21 17:00		Refika Kalyoncu;Adalet Veyis Turgut;Kürat Talha B...
80		Research on Databases	7 days	25/05/21 17:00	01/06/21 17:00		Refika Kalyoncu;Adalet Veyis Turgut;Kürat Talha B...
81		Research on Servers	7 days	25/05/21 17:00	01/06/21 17:00		Refika Kalyoncu;Adalet Veyis Turgut;Kürat Talha B...
82		**Determine a Requirement Tracking System**	**8 days**	**02/06/21 08:00**	**09/06/21 17:00**	**78**	
83		Provisional Design of the Project Structure	2 days	02/06/21 08:00	03/06/21 17:00		Refika Kalyoncu;Adalet Veyis Turgut;Kürat Talha B...
84		Provisional Design of Backend	3 days	05/06/21 08:00	07/06/21 17:00	86	Refika Kalyoncu;Adalet Veyis Turgut;Kürat Talha B...
85		Provisional Design of Frontend	2 days	08/06/21 08:00	09/06/21 17:00	83;84	Refika Kalyoncu;Adalet Veyis Turgut;Kürat Talha B...
86		Provisional Design of Database Structure	1 day	04/06/21 08:00	04/06/21 17:00	83	Refika Kalyoncu;Adalet Veyis Turgut;Kürat Talha B...
87		**API & Prototyping**	**4.667 days**	**10/06/21 08:00**	**14/06/21 14:19**	**82**	
88		API Usage	2 days	10/06/21 08:00	11/06/21 17:00		Refika Kalyoncu;Adalet Veyis Turgut;Kürat Talha B...
89		Design of API	2.667 days	12/06/21 08:00	14/06/21 14:19	88	Refika Kalyoncu;Adalet Veyis Turgut;Kürat Talha B...
90		Milestone 2	0 days	15/06/21 08:00	15/06/21 08:00	87	Refika Kalyoncu;Adalet Veyis Turgut;Kürat Talha B...
91		Arrange Teams	0 days	07/10/21 08:00	07/10/21 08:00		Refika Kalyoncu;Adalet Veyis Turgut;Kürat Talha B...
92		Revise Requirements, Designs, Plans	5 days	11/10/21 08:00	15/10/21 17:00	90	Refika Kalyoncu;Adalet Veyis Turgut;Kürat Talha B...
93		**Group Meetings**	**1.667 days**	**18/10/21 08:00**	**19/10/21 14:20**	**91**	
94		All	0.222 days	18/10/21 08:00	18/10/21 09:46		Refika Kalyoncu;Adalet Veyis Turgut;Burakcan Kaz...
95		Backend	0.667 days	19/10/21 08:00	19/10/21 14:20	94	Adalet Veyis Turgut;Burakcan Kazm Yeil;Ömer Ylmaz
96		Frontend	0.214 days	19/10/21 08:00	19/10/21 09:42	94	Batuhan Tongarlak;Doukan Türksoy;hsan Gökcül
97		Android	0.667 days	19/10/21 08:00	19/10/21 14:20	94	Refika Kalyoncu;Kürat Talha Berk Yamanolu;Meh...
98		**Pre Implementation**	**5 days**	**21/10/21 08:00**	**25/10/21 17:00**	**90;91**	
99		**Backend**	**0.667 days**	**21/10/21 08:00**	**21/10/21 14:20**	**84**	
100		Initialize Server	0.667 days	21/10/21 08:00	21/10/21 14:20		Adalet Veyis Turgut;Burakcan Kazm Yeil;Ömer Ylmaz
101		**Frontend**	**5 days**	**21/10/21 08:00**	**25/10/21 17:00**	**85**	
102		Create Initial Design	5 days	21/10/21 08:00	25/10/21 17:00		Batuhan Tongarlak;Doukan Türksoy;hsan Gökcül

		Name	Duration	Start	Finish	Predecessors	Resource Names
103		**Android**	**5 days**	**21/10/21 08:00**	**25/10/21 17:00**	**85**	
104		Create Initial Design	5 days	21/10/21 08:00	25/10/21 17:00		Refika Kalyoncu;Kürat Talha Berk Yamanolu;Meh...
105		**Test Cases**	**2 days**	**26/10/21 08:00**	**27/10/21 17:00**	**90;98**	
106		Implement test cases for login and register	2 days	26/10/21 08:00	27/10/21 17:00	90;98	Refika Kalyoncu;Adalet Veyis Turgut;Kürat Talha B...
107		**Login Register**	**5 days**	**01/11/21 08:00**	**05/11/21 17:00**	**105**	
108		**Backend**	**4 days**	**01/11/21 08:00**	**04/11/21 17:00**		
109		Implement User, User Credentials and Guest Classes	2 days	01/11/21 08:00	02/11/21 17:00		Adalet Veyis Turgut;Burakcan Kazm Yeil
110		Implement Register System	2 days	02/11/21 17:00	04/11/21 17:00		Adalet Veyis Turgut;Ömer Ylmaz
111		Implement Login System	2 days	02/11/21 17:00	04/11/21 17:00		Burakcan Kazm Yeil;Ömer Ylmaz
112		Implement Reset Password System	2 days	02/11/21 17:00	04/11/21 17:00		Ömer Ylmaz;Burakcan Kazm Yeil
113		**Frontend**	**1 day**	**05/11/21 08:00**	**05/11/21 17:00**	**108**	
114		Register Page	1 day	05/11/21 08:00	05/11/21 17:00	110	Batuhan Tongarlak;Doukan Türksoy
115		Login Page	1 day	05/11/21 08:00	05/11/21 17:00	111	Doukan Türksoy;hsan Gökcül
116		Reset Password Page	1 day	05/11/21 08:00	05/11/21 17:00	112	Batuhan Tongarlak;hsan Gökcül
117		**Android**	**1 day**	**05/11/21 08:00**	**05/11/21 17:00**	**108**	
118		Register Page	1 day	05/11/21 08:00	05/11/21 17:00	110	Kürat Talha Berk Yamanolu;Mehmet Gökay Yldz
119		Login Page	1 day	05/11/21 08:00	05/11/21 17:00	111	Refika Kalyoncu;Kürat Talha Berk Yamanolu
120		Reset Password Page	1 day	05/11/21 08:00	05/11/21 17:00	112	Refika Kalyoncu;Mehmet Gökay Yldz
121		**GoalSpace**	**6.5 days**	**06/11/21 08:00**	**12/11/21 13:00**	**107**	
122		**Backend**	**3 days**	**06/11/21 08:00**	**08/11/21 17:00**	**107**	
123		AllGoal, Goal Classes	3 days	06/11/21 08:00	08/11/21 17:00		Adalet Veyis Turgut;Burakcan Kazm Yeil
124		Entity, Subgoal, Routine, Task, Questions, Reflection	3 days	06/11/21 08:00	08/11/21 17:00		Burakcan Kazm Yeil;Ömer Ylmaz
125		Resources, Labeling and Classification	3 days	06/11/21 08:00	08/11/21 17:00		Adalet Veyis Turgut;Ömer Ylmaz
126		**Frontend**	**2.5 days**	**09/11/21 08:00**	**11/11/21 13:00**	**122**	
127		Goals page	1.5 days	09/11/21 08:00	10/11/21 13:00		Doukan Türksoy;hsan Gökcül
128		New Goal Page	1 day	10/11/21 13:00	11/11/21 13:00	127	Batuhan Tongarlak;hsan Gökcül
129		New Entity Page	1 day	10/11/21 13:00	11/11/21 13:00	127	Batuhan Tongarlak;Doukan Türksoy
130		Subpages in goals page	1 day	10/11/21 13:00	11/11/21 13:00	127	Doukan Türksoy;hsan Gökcül
131		**Android**	**2.5 days**	**09/11/21 08:00**	**11/11/21 13:00**	**122**	
132		Goals page	1.5 days	09/11/21 08:00	10/11/21 13:00		Refika Kalyoncu;Kürat Talha Berk Yamanolu
133		New Goal Page	1 day	10/11/21 13:00	11/11/21 13:00	132	Refika Kalyoncu;Mehmet Gökay Yldz
134		New Entity Page	1 day	10/11/21 13:00	11/11/21 13:00	132	Kürat Talha Berk Yamanolu;Mehmet Gökay Yldz
135		Subpages in goals page	1 day	10/11/21 13:00	11/11/21 13:00	132	Refika Kalyoncu;Kürat Talha Berk Yamanolu
136		**Testing**	**1 day**	**11/11/21 13:00**	**12/11/21 13:00**	**122;126;131**	

		Name	Duration	Start	Finish	Predecessors	Resource Names
137		Test Creation of Goal and other Entity pages	1 day	11/11/21 13:00	12/11/21 13:00		Refika Kalyoncu;Adalet Veyis Turgut;Kürat Talha B...
138		Test Editing of Goal&Entity Pages	1 day	11/11/21 13:00	12/11/21 13:00		Refika Kalyoncu;Adalet Veyis Turgut;Kürat Talha B...
139		Test Linking of Entities and Goals	1 day	11/11/21 13:00	12/11/21 13:00		Refika Kalyoncu;Adalet Veyis Turgut;Kürat Talha B...
140		Test Labeling	1 day	11/11/21 13:00	12/11/21 13:00		Refika Kalyoncu;Adalet Veyis Turgut;Kürat Talha B...
141		Milestone 3	0 days	12/11/21 13:00	12/11/21 13:00	122;126;131;...	Refika Kalyoncu;Adalet Veyis Turgut;Kürat Talha B...
142		**Group Goal**	**7.5 days**	**12/11/21 13:00**	**19/11/21 17:00**	**121;141**	
143		**Backend**	**5.5 days**	**12/11/21 13:00**	**17/11/21 17:00**		
144		Group Goal	4 days	12/11/21 13:00	16/11/21 13:00		Adalet Veyis Turgut;Burakcan Kazm Yeil
145		Integration of goal and members	1.5 days	16/11/21 13:00	17/11/21 17:00	144	Burakcan Kazm Yeil;Ömer Ylmaz
146		**Frontend**	**2 days**	**18/11/21 08:00**	**19/11/21 17:00**	**143**	
147		Group Goal page	1 day	18/11/21 08:00	18/11/21 17:00		Batuhan Tongarlak;hsan Gökcül
148		New Group Goal Page	1 day	19/11/21 08:00	19/11/21 17:00	147	Batuhan Tongarlak;Doukan Türksoy
149		New Entity Page	1 day	19/11/21 08:00	19/11/21 17:00	147	Doukan Türksoy;hsan Gökcül
150		Subpages in goals page	1 day	19/11/21 08:00	19/11/21 17:00	147	Batuhan Tongarlak;hsan Gökcül
151		Members Page	1 day	18/11/21 08:00	18/11/21 17:00	143	Batuhan Tongarlak;Doukan Türksoy
152		**Android**	**2 days**	**18/11/21 08:00**	**19/11/21 17:00**	**143**	
153		Group Goal page	1 day	18/11/21 08:00	18/11/21 17:00		Refika Kalyoncu;Mehmet Gökay Yldz
154		New Group Goal Page	1 day	19/11/21 08:00	19/11/21 17:00	153	Kürat Talha Berk Yamanolu;Mehmet Gökay Yldz
155		New Entity Page	1 day	19/11/21 08:00	19/11/21 17:00	153	Refika Kalyoncu;Kürat Talha Berk Yamanolu
156		Subpages in goals page	0.667 days	19/11/21 08:00	19/11/21 14:20	153	Refika Kalyoncu;Mehmet Gökay Yldz
157		Members Page	1 day	18/11/21 08:00	18/11/21 17:00	143	Kürat Talha Berk Yamanolu;Mehmet Gökay Yldz
158		**Calendar**	**6.5 days**	**20/11/21 13:00**	**26/11/21 17:00**	**107;121;142**	
159		**Backend**	**4.5 days**	**20/11/21 13:00**	**24/11/21 17:00**	**107;121;142**	
160		Calendar System	4.5 days	20/11/21 13:00	24/11/21 17:00		Adalet Veyis Turgut;Ömer Ylmaz
161		**Frontend**	**2 days**	**25/11/21 08:00**	**26/11/21 17:00**	**159**	
162		Calendar Page	2 days	25/11/21 08:00	26/11/21 17:00	160	Doukan Türksoy;hsan Gökcül
163		**Android**	**2 days**	**25/11/21 08:00**	**26/11/21 17:00**	**159**	
164		Calendar Page	2 days	25/11/21 08:00	26/11/21 17:00	160	Refika Kalyoncu;Kürat Talha Berk Yamanolu
165		**Analytics**	**6.5 days?**	**07/12/21 08:00**	**13/12/21 13:00**	**158**	
166		**Backend**	**3 days**	**07/12/21 08:00**	**09/12/21 17:00**	**158**	
167		Analytics System	3 days	07/12/21 08:00	09/12/21 17:00		Adalet Veyis Turgut;Burakcan Kazm Yeil
168		**Frontend**	**3.5 days**	**10/12/21 08:00**	**13/12/21 13:00**	**166**	
169		Analytics Page	3.5 days	10/12/21 08:00	13/12/21 13:00	167	Batuhan Tongarlak;hsan Gökcül
170		**Android**	**3.5 days?**	**10/12/21 08:00**	**13/12/21 13:00**	**166**	

		Name	Duration	Start	Finish	Predecessors	Resource Names
171		Analytics Page	3.5 days?	10/12/21 08:00	13/12/21 13:00	167	Refika Kalyoncu;Mehmet Gökay Yldz
172		**User Profile**	**8 days?**	**14/12/21 08:00**	**21/12/21 17:00**	**121;142**	
173		**Backend**	**4 days?**	**14/12/21 08:00**	**17/12/21 17:00**	**121;142**	
174		Privacy System	1.5 days?	14/12/21 08:00	15/12/21 13:00		Burakcan Kazm Yeil;Ömer Ylmaz
175		Follow System	1 day?	17/12/21 08:00	17/12/21 17:00		Adalet Veyis Turgut;Ömer Ylmaz
176		**Frontend**	**3 days**	**18/12/21 08:00**	**20/12/21 17:00**	**173**	
177		Profile page	3 days	18/12/21 08:00	20/12/21 17:00		Batuhan Tongarlak;Doukan Türksoy
178		**Android**	**4 days**	**18/12/21 08:00**	**21/12/21 17:00**	**173**	
179		Profile Page	4 days	18/12/21 08:00	21/12/21 17:00		Kürat Talha Berk Yamanolu;Mehmet Gökay Yldz
180		**Search Engine**	**8 days?**	**23/12/21 08:00**	**30/12/21 17:00**	**172**	
181		**Backend**	**5.5 days?**	**23/12/21 08:00**	**28/12/21 13:00**	**172**	
182		User, Goal semantic search	1.5 days	23/12/21 08:00	24/12/21 13:00	172	Adalet Veyis Turgut;Burakcan Kazm Yeil
183		Sorting system	3.5 days?	24/12/21 13:00	27/12/21 17:00	182	Burakcan Kazm Yeil;Ömer Ylmaz
184		Filter System	4 days	24/12/21 13:00	28/12/21 13:00	182	Adalet Veyis Turgut;Ömer Ylmaz
185		**Frontend**	**2.5 days**	**28/12/21 13:00**	**30/12/21 17:00**	**181**	
186		Marketplace page	1.5 days	28/12/21 13:00	29/12/21 17:00		Doukan Türksoy;hsan Gökcül
187		Search Results Page	1 day	30/12/21 08:00	30/12/21 17:00	186	hsan Gökcül;Batuhan Tongarlak
188		**Android**	**2 days?**	**28/12/21 13:00**	**30/12/21 13:00**	**181**	
189		Marketplace page	1 day	28/12/21 13:00	29/12/21 13:00		Refika Kalyoncu;Kürat Talha Berk Yamanolu
190		Search Results Page	1 day?	29/12/21 13:00	30/12/21 13:00	189	Refika Kalyoncu;Mehmet Gökay Yldz
191		Milestone 4	0 days	30/12/21 17:00	30/12/21 17:00	180	Adalet Veyis Turgut;Batuhan Tongarlak;Burakcan K...
192		**Feed Page**	**6 days?**	**30/12/21 08:00**	**04/01/22 17:00**	**172**	
193		**Backend**	**2 days?**	**30/12/21 08:00**	**31/12/21 17:00**	**172**	
194		Activity Stream System	2 days?	30/12/21 08:00	31/12/21 17:00	172	Adalet Veyis Turgut;Burakcan Kazm Yeil
195		**Frontend**	**4 days?**	**01/01/22 08:00**	**04/01/22 17:00**	**193**	
196		Feed Page	4 days?	01/01/22 08:00	04/01/22 17:00		Batuhan Tongarlak;Doukan Türksoy
197		**Android**	**4 days?**	**01/01/22 08:00**	**04/01/22 17:00**	**193**	
198		Feed Page	4 days?	01/01/22 08:00	04/01/22 17:00		Kürat Talha Berk Yamanolu;Mehmet Gökay Yldz
199		**Notification**	**5.5 days?**	**05/01/22 08:00**	**10/01/22 13:00**	**192**	
200		**Backend**	**2 days?**	**05/01/22 08:00**	**06/01/22 17:00**	**192**	
201		Notification System	2 days?	05/01/22 08:00	06/01/22 17:00		Burakcan Kazm Yeil;Ömer Ylmaz[50%]
202		**Frontend**	**3.5 days?**	**07/01/22 08:00**	**10/01/22 13:00**	**200**	
203		Notification Page	3.5 days?	07/01/22 08:00	10/01/22 13:00		Doukan Türksoy;hsan Gökcül
204		**Android**	**0 days?**	**06/01/22 17:00**	**06/01/22 17:00**	**200**	

		Name	Duration	Start	Finish	Predecessors	Resource Names
205		Notification Page	0 days?	06/01/22 17:00	06/01/22 17:00		Refika Kalyoncu;Kürat Talha Berk Yamanolu
206		**HomePage**	**8.5 days?**	**10/01/22 08:00**	**18/01/22 13:00**	**192**	
207		Backend	4 days?	10/01/22 08:00	13/01/22 17:00	192	
208		**Frontend**	**4.5 days?**	**14/01/22 08:00**	**18/01/22 13:00**	**207**	
209		Homepage	4.5 days?	14/01/22 08:00	18/01/22 13:00		Batuhan Tongarlak;hsan Gökcül
210		**Android**	**4.5 days?**	**14/01/22 08:00**	**18/01/22 13:00**	**207**	
211		Homepage	4.5 days?	14/01/22 08:00	18/01/22 13:00		Refika Kalyoncu;Mehmet Gökay Yldz
212		Milestone 5	0 days	18/01/22 13:00	18/01/22 13:00	206	Adalet Veyis Turgut;Batuhan Tongarlak;Burakcan K...