

RETRO

CMPE 451 FALL 2018 MILESTONE #2

December 2018

Group #1

Ece Ata

Ahmet Yasin Alp

Akın İlerle

Deniz Etkar

Buse Ece Güldiken

Emre Bilgili

Utku Bozdoğan

Ziya Akyüz

Contents

1	Executive Summary	3
2	List and Status of Deliverables	3
2.1	Backend	3
2.2	Frontend	4
2.3	Android	4
2.4	Current Status	4
3	Project Plan	5
4	Summary of coding	6
5	Requirements	6
6	Design	7
7	Conclusion & Assessment	20

1 Executive Summary

In this Milestone Report #2 for CMPE 451 Fall 2018 Group 1, Retro, we will be providing the status of the project. The finished, ongoing and future tasks will be elaborated and the alignment with the project plan will be discussed. We will give a description of our implementation and our individual work.

For the second milestone, our aim was to implement the functional features of our application.

- Validation in Register and Login
- Connect frontend to backend
- Memory page
- Add memory
- Memory feed
- Search
- Profile page
- Edit profile page

Frontend address: <http://165.227.137.18:3001/home>

Backend address: <http://52.7.87.173:8080/>

2 List and Status of Deliverables

2.1 Backend

- **Validation in Login & Register:** Validation of user input in Login & Register.
 - **Status:** Completed.
- **Connection to Frontend:** Connecting Backend to Frontend and ensure they work together.
 - **Status:** Completed.
- **Serving files over a server:** Deploying an Amazon server to serve files.
 - **Status:** Completed.
- **Add/Update/Delete Memory:** Creation of Memory class, and implementing post/put/delete methods for memory endpoint.
 - **Status:** Completed.
- **Memory Page:** Creation of an endpoint to return memory details.
 - **Status:** Completed.
- **Profile Page:** Implementation of User endpoint methods to show and update user related information.

- **Status:** Completed.
- **Search:** Implementation of search method.
 - **Status:** Ongoing.

2.2 Frontend

- **Login & Register:** Validation added to both log in and register pages.
 - **Status:** Completed.
- **Posting a Memory:** Post memory is designed. Connection with backend is implemented.
 - **Status:** Basic part is completed. File upload and location selection will be implemented later.
- **Show Memory:** Page created. Members can see created memories.
 - **Status:** A simple show memory page completed.
- **User Profile Page:** User can see their profiles and they can edit it.
 - **Status:** Completed.

2.3 Android

- **Login & Register Interface:** Login and register pages are connected to our server. User can create an account and access the system.
 - **Status:** Completed.
- **Add Memory Interface:** Member can post a memory.
 - **Status:** Basic part is completed. File upload will be implemented later.
- **Show Memory Interface:** Member can view a memory and list of memories.
 - **Status:** Functional.
- **Profile Page:** Implementation of user profile page to show and edit user details.
 - **Status:** Completed
- **Search Interface:** User can search other users. User can search memories based on text and location on Google Maps.
 - **Status:** User interface is completed. Backend endpoint is being waited for connection.

2.4 Current Status

Currently in our system, in web application users can register, log in and view previously added memories. Members can view and update their profiles. In our android application users can log in, register, add a memory, show all memories, show current profile and update current profile. Furthermore, we can select an area from Google Maps to search memories in Android. When we add a memory, we can add music, videos or photographs from the smart phone.

3 Project Plan

Status	Task Name	Duration	Start	Finish	Assigned To
TRUE	Task Assignment	5d	09/20/18	09/24/18	Akın İlerle, Ahmet Alp, Deniz Etkar, Ece Ata, Buse Güldiken, Emre Bilgili, Ziya Akyüz, Utku Bozdoğan
	Learning	76d	09/26/18	12/10/18	
	Android Learning	76d	09/26/18	12/10/18	Ahmet Alp, Deniz Etkar, Emre Bilgili
	Backend Learning	76d	09/26/18	12/10/18	Akın İlerle, Buse Güldiken
	Frontend Learning	76d	09/26/18	12/10/18	Ece Ata, Utku Bozdoğan, Ziya Akyüz
	Milestone #6	1d	12/10/18	12/10/18	
	Implementation	75d	10/03/18	12/16/18	
	Backend	75d	10/03/18	12/16/18	
TRUE	Backend and database design	5d	10/03/18	10/07/18	Akın İlerle, Buse Güldiken
TRUE	Register and login	5d	10/03/18	10/07/18	Akın İlerle, Buse Güldiken
TRUE	Connect backend to frontend and android	7d	10/08/18	10/14/18	Akın İlerle, Buse Güldiken
TRUE	Memory page	7d	10/15/18	10/21/18	Akın İlerle, Buse Güldiken
TRUE	Posting a memory	7d	10/22/18	10/28/18	Akın İlerle, Buse Güldiken
TRUE	Milestone #4	1d	10/30/18	10/30/18	
TRUE	Memory feed	7d	10/29/18	11/04/18	Akın İlerle, Buse Güldiken
TRUE	Search	7d	11/05/18	11/11/18	Akın İlerle, Buse Güldiken
TRUE	Profil page	7d	11/12/18	11/18/18	Akın İlerle, Buse Güldiken
TRUE	Editing profil page	7d	11/19/18	11/25/18	Akın İlerle, Buse Güldiken
TRUE	Editing user info	7d	11/26/18	12/02/18	Akın İlerle, Buse Güldiken
	Milestone #5	1d	12/04/18	12/04/18	
	Editing memories	7d	12/03/18	12/09/18	Akın İlerle, Buse Güldiken
	Commenting memories	7d	12/10/18	12/16/18	Akın İlerle, Buse Güldiken
	Annotation	48d	10/30/18	12/16/18	Akın İlerle, Buse Güldiken
	Finding a name and domain	75d	10/03/18	12/16/18	Akın İlerle, Buse Güldiken
	Setting up to domain	7d	12/10/18	12/16/18	Akın İlerle, Buse Güldiken
	Frontend	75d	10/03/18	12/16/18	
TRUE	Register and login	5d	10/03/18	10/07/18	Ece Ata, Utku Bozdoğan, Ziya Akyüz
TRUE	Connect frontend to backend	7d	10/08/18	10/14/18	Ece Ata, Utku Bozdoğan, Ziya Akyüz
TRUE	Memory page	7d	10/15/18	10/21/18	Ece Ata, Utku Bozdoğan, Ziya Akyüz
TRUE	Posting a memory	7d	10/22/18	10/28/18	Ece Ata, Utku Bozdoğan, Ziya Akyüz
TRUE	Milestone #4	1d	10/30/18	10/30/18	
TRUE	Memory feed	7d	10/29/18	11/04/18	Ece Ata, Utku Bozdoğan, Ziya Akyüz
TRUE	Editing user info	7d	11/05/18	11/11/18	Ece Ata, Utku Bozdoğan, Ziya Akyüz
TRUE	Profil page	7d	11/12/18	11/18/18	Ece Ata, Utku Bozdoğan, Ziya Akyüz
TRUE	Editing profil page	7d	11/19/18	11/25/18	Ece Ata, Utku Bozdoğan, Ziya Akyüz
	Search	7d	11/26/18	12/02/18	Ece Ata, Utku Bozdoğan, Ziya Akyüz
	Milestone #5	1d	12/04/18	12/04/18	
	Editing memories	7d	12/03/18	12/09/18	Ece Ata, Utku Bozdoğan, Ziya Akyüz
	Commenting memories	7d	12/10/18	12/16/18	Ece Ata, Utku Bozdoğan, Ziya Akyüz
	Annotation	48d	10/30/18	12/16/18	Ece Ata, Utku Bozdoğan, Ziya Akyüz
	Finding a name and domain	75d	10/03/18	12/16/18	Ece Ata, Utku Bozdoğan, Ziya Akyüz
	Android	75d	10/03/18	12/16/18	
TRUE	Register and login	5d	10/03/18	10/07/18	Ahmet Alp, Deniz Etkar, Emre Bilgili
TRUE	Connect android to backend	7d	10/08/18	10/14/18	Ahmet Alp, Deniz Etkar, Emre Bilgili
TRUE	Memory page	7d	10/15/18	10/21/18	Ahmet Alp, Deniz Etkar, Emre Bilgili
TRUE	Posting a memory	7d	10/22/18	10/28/18	Ahmet Alp, Deniz Etkar, Emre Bilgili
TRUE	Milestone #4	1d	10/30/18	10/30/18	
TRUE	Memory feed	7d	10/29/18	11/04/18	Ahmet Alp, Deniz Etkar, Emre Bilgili
TRUE	Editing user info	7d	11/05/18	11/11/18	Ahmet Alp, Deniz Etkar, Emre Bilgili
TRUE	Profil page	7d	11/12/18	11/18/18	Ahmet Alp, Deniz Etkar, Emre Bilgili
TRUE	Editing profil page	7d	11/19/18	11/25/18	Ahmet Alp, Deniz Etkar, Emre Bilgili
	Search	7d	11/26/18	12/02/18	Ahmet Alp, Deniz Etkar, Emre Bilgili
	Milestone #5	1d	12/04/18	12/04/18	
	Editing memories	7d	12/03/18	12/09/18	Ahmet Alp, Deniz Etkar, Emre Bilgili
	Commenting memories	7d	12/10/18	12/16/18	Ahmet Alp, Deniz Etkar, Emre Bilgili
	Finding a name and domain	75d	10/03/18	12/16/18	Ahmet Alp, Deniz Etkar, Emre Bilgili

5
Figure 1: Project Plan

4 Summary of coding

Member	Team	Work
Buse Ece Güldiken	Backend	Reimplemented user class with new requirements Reimplemented endpoint functions for user Reimplemented memory class with new requirements Reimplemented endpoint functions for memory Basic implementation of Item class
Akın İlerle	Backend	Implementation of media items Implementation of file serve through Amazon Implementation of input validation Implementation of search function Enhancement in user and memory endpoints
Ece Ata	Frontend	User profile page designed. User profile page connected to backend. Add memory page is designed. User profile edit page is designed. User profile edit page is connected to backend.
Utku Bozdoğan	Frontend	Login and Register user input validation Show memory and memory feed design Add memory design
Ziya Akyüz	Frontend	Login page design
Emre Bilgili	Android	Main Activity maintenance Google Maps is available for use Implementation of profile page design and its backend connection Implementation of search page design and map implementation for it Implementation of memory creation and its backend connection except media design and usage
Deniz Etkar	Android	Main activity and Landing page tabs Implemented Memory feed design Implemented view memory design Input validation in the UI
Ahmet Yasin Alp	Android	Media support in memory creation

5 Requirements

Before the last milestone report, our memory structure was defined as 'list of stories', where each story contains media, text and location information. There is no visible change in our requirements since that is an implementation level change.

Please refer to first milestone report for the requirements.

6 Design

WEB:

- Home Page of RETRO:

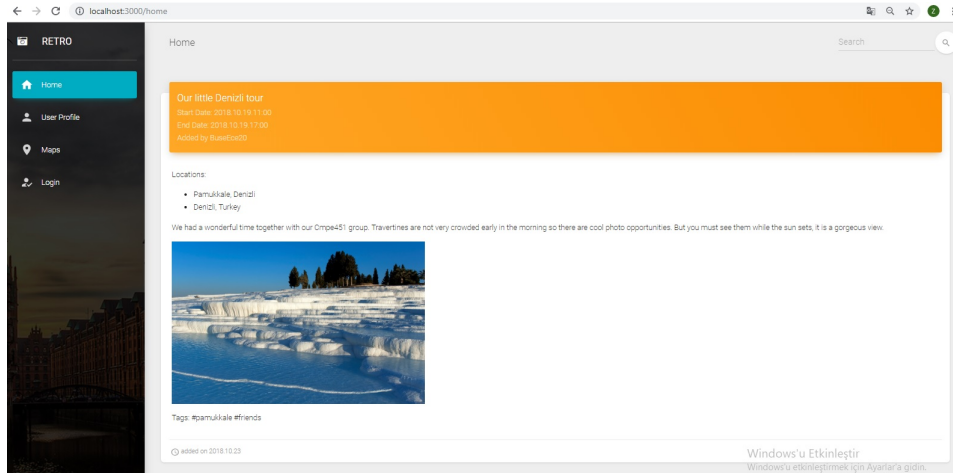


Figure 2: Home Page 1.1

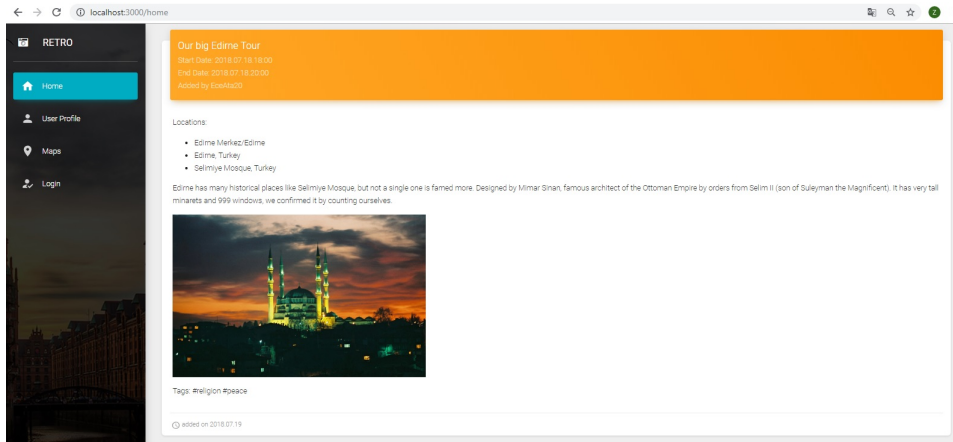


Figure 3: Home Page 1.2

- Login and Register Page of RETRO:

RETRO

Home

User Profile

Maps

Login

Login

Nickname

Email address

Password *

LOGIN

FORGET PASSWORD

Register

Nickname *

First Name *

Last Name *

Email address *

Password *

Password Confirmation *

REGISTER

Search

Windows'u Etkinleştir
Windows'u etkinleştirmek için Ayarlar'a gidin.

Figure 4: Login Page

- Profile Page of RETRO:

RETRO

Home

User Profile

Maps

Login

Add new Memory

Profile

Search

KEMAL EREN | KEMALEREN

Highschool history teacher.

1994-10-01|MALE

Edit Profile

Account Settings

Log Out

MEMORY

Figure 5: Profile Page

- Profile Edit Page of RETRO:

RETRO

Home

User Profile

Maps

Login

Add new Memory

localhost:3000/user

Edit Profile

Complete your profile

Username: kemaieren

First Name: Kemal

Last Name: Eren

Gender: Male

Birthday: 30.10.2018

Country:

Region:

Personal info

Highschool history teacher

UPDATE PROFILE

Account Settings

Email address: kemaieren@gmail.com

Old Password:

New Password:

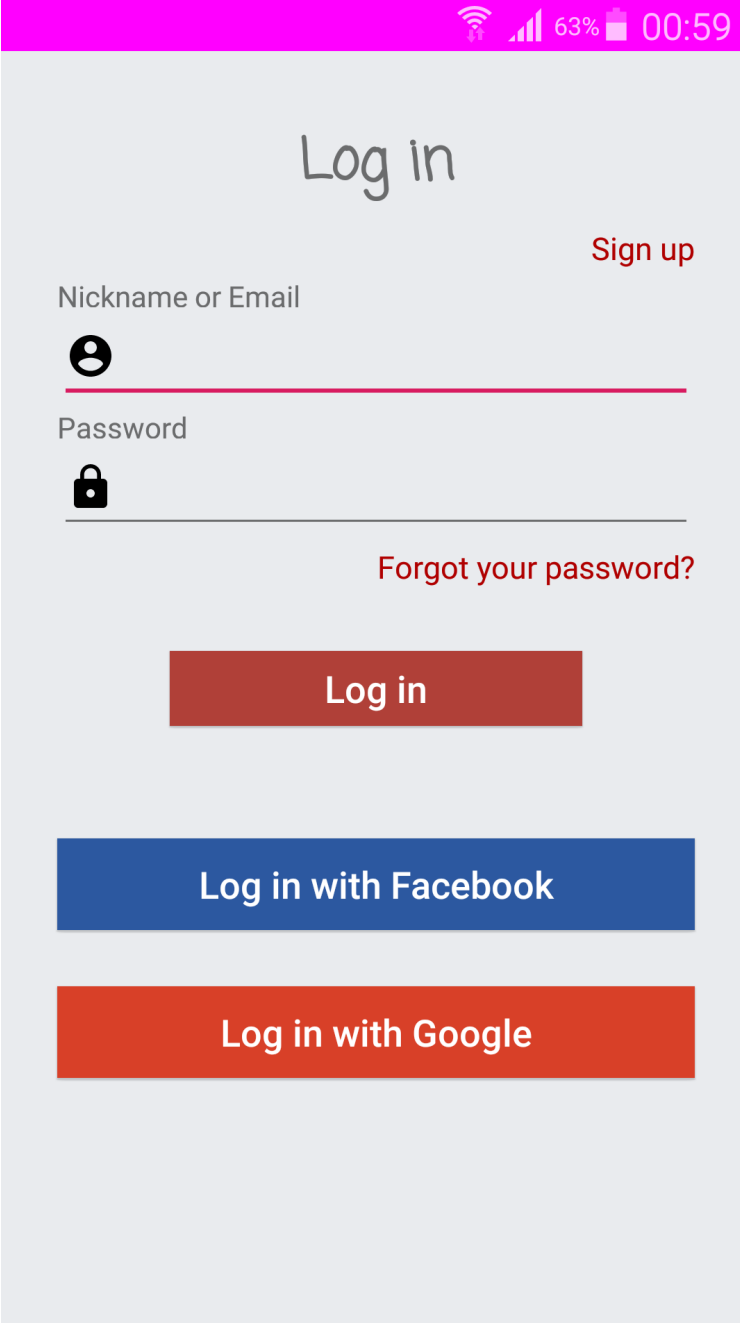
UPDATE PASSWORD

Log Out

Figure 6: Edit Profile Page

ANDROID:

- Login Page of RETRO:



The image shows a mobile application interface for logging in. At the top, there is a status bar with a red background, displaying icons for Wi-Fi, cellular signal, 63% battery, and the time 00:59. The main content area has a light gray background. The title "Log in" is centered at the top in a large, dark gray font. To the right of the title, the text "Sign up" is displayed in a red font. Below the title, there are two input fields. The first field is labeled "Nickname or Email" and contains a black icon of a person. The second field is labeled "Password" and contains a black icon of a padlock. Both fields have a red underline. Below the password field, the text "Forgot your password?" is displayed in a red font. At the bottom, there are three buttons: a red button labeled "Log in", a blue button labeled "Log in with Facebook", and an orange button labeled "Log in with Google".

Figure 7: Login Page

- Register Page of RETRO:

Register

Already registered?

Nickname

First Name

Surname

Email

Password

Confirm Password

Register

Figure 8: Register Page

- Feed Page of RETRO:

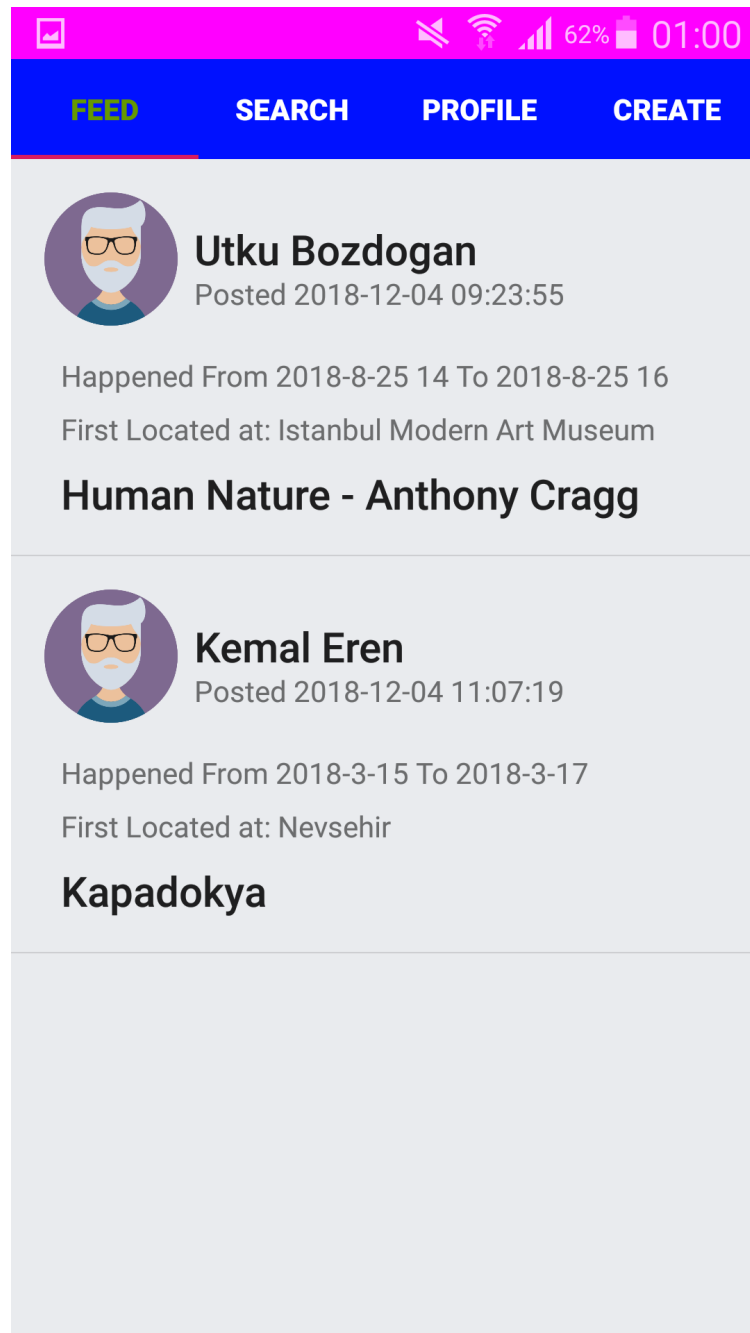




Figure 9: Feed Page

- Memory View Page of RETRO:

 Ekran resmi kaydediliyor...

**Utku Bozdogan**
Posted 2018-12-04 09:23:55

Happened From 2018-8-25 14 To 2018-8-25 16

List Of Locations:
1) Istanbul Modern Art Museum

Human Nature - Anthony Cragg

This is the first temporary exhibition by İstanbul Modern on their temporary venue. It is called Human Nature and many sculptures by Anthony Cragg, belonging to all the periods of his careers are on display. His work focuses on human nature, taking an unusual angle of approach to the interaction of humans and nature however. His work can be recognized via the eccentric shapes which are both seemingly fluid while also having gaps, and sometimes through his choice of material which can be dice, glass, wood or anything really.


Memory Tags: 

Figure 10: Memory View Page

- Search Page of RETRO:

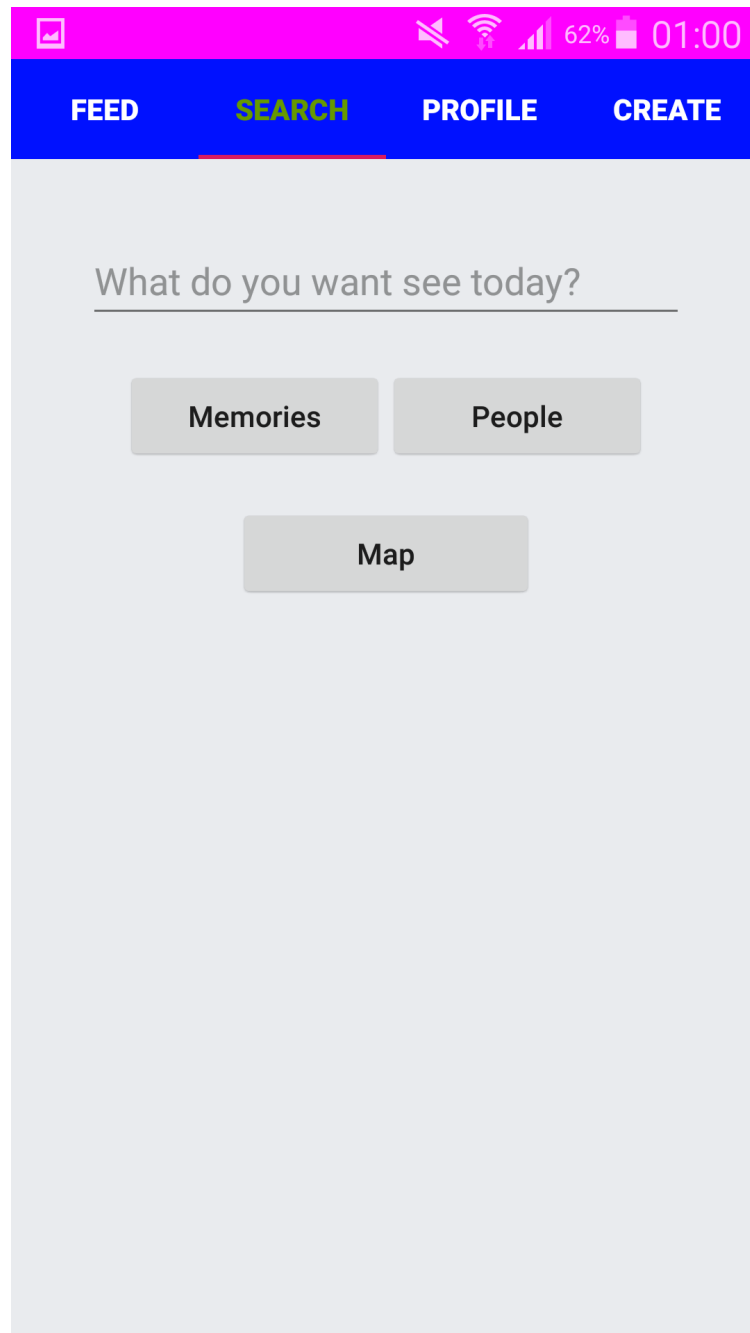


Figure 11: Search Page

- Search Map Page of RETRO:

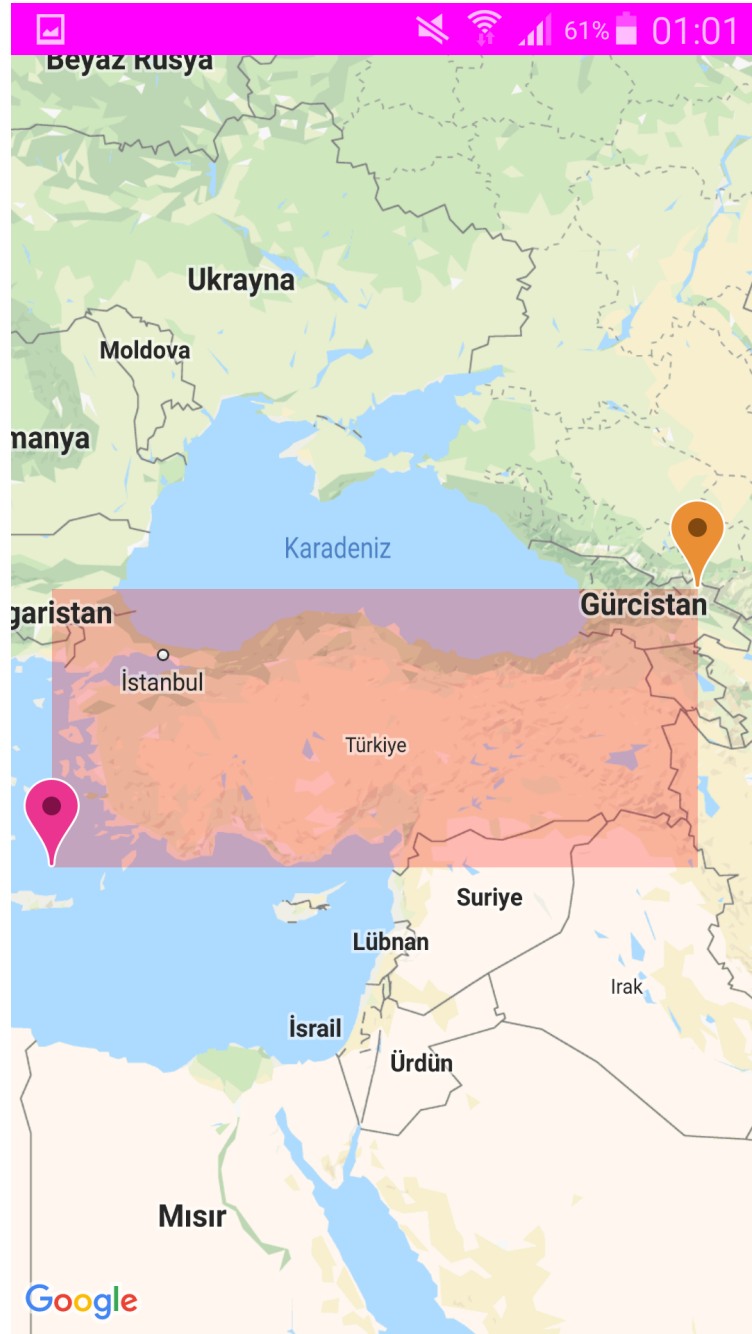


Figure 12: Area Selection on Map in Search Page

- Profile Page of RETRO:

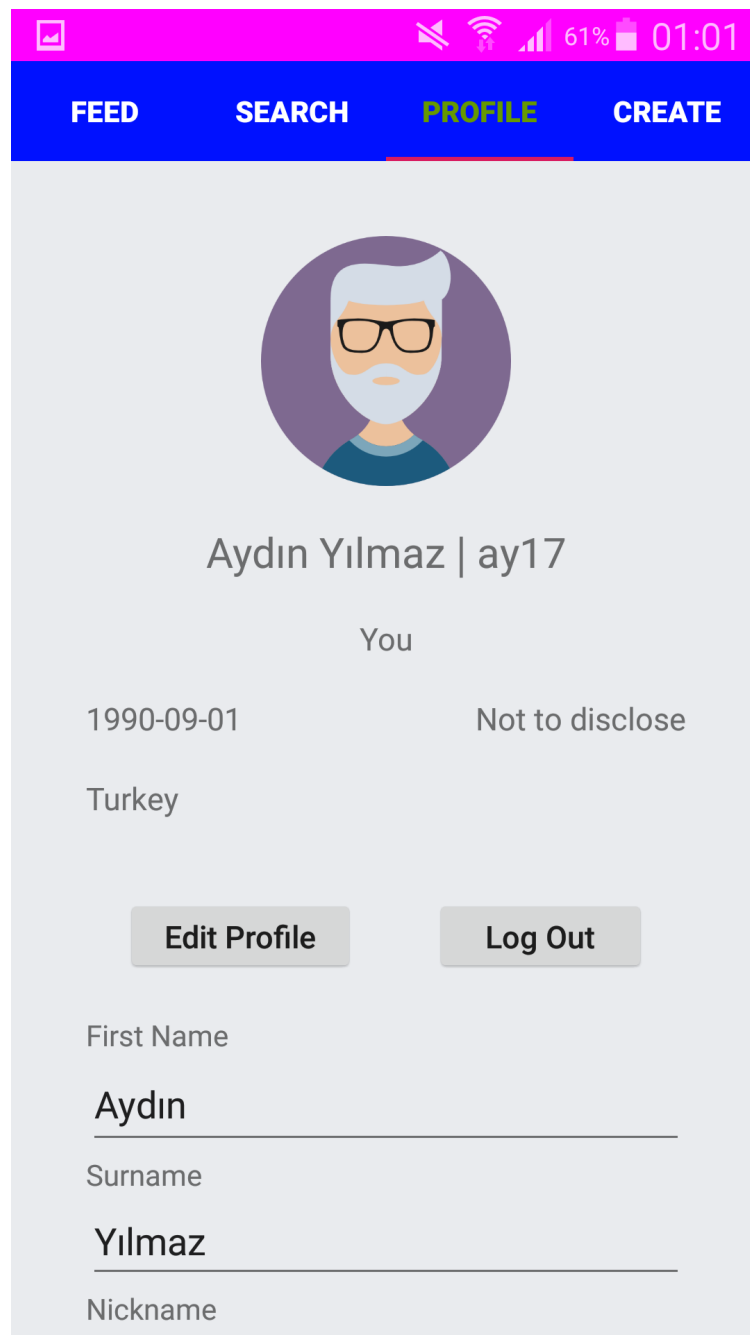


Figure 13: Profile Page 1

61%

01:01

FEED

SEARCH

PROFILE

CREATE

Nickname

ay17

Bio

You

Birthday

30

Ağu

1989

01

Eyl

1990

02

Eki

1991

Gender

☐ Female

☐ Male

☐ Other

☒ Not to Disclose

Locations

Turkey

Figure 14: Profile Page 2

02Eki1991

Gender

☐ Female

☐ Male

☐ Other

☒ Not to Disclose

Locations

Turkey

Email

aydin_yilmaz@hotmail.com

Old Password

New Password

Send

Figure 15: Profile Page 3

- Memory Create Page of RETRO:

Ekran resmi kaydediliyor...

FEED **SEARCH** **PROFILE** **CREATE**

Title

Start Date

Year Month Day Hour

End Day (Optional)

Year Month Day Hour

Add Location

Add Image Add Video Add Audio Add Text

Share

Figure 16: Memory Create Page

7 Conclusion & Assessment

In this project, we have 3 different groups working in parallel, namely backend, frontend and android. Therefore the communication between different subgroups is a really important concept which impacts the course of the project.

Our team is always in contact through mobile phone group but also we are using GitHub issues to define our tasks. Using GitHub issues makes it easy to keep track of the subjects that exist in our project plan.

Most of our group members do not have a background in building web or Android applications, therefore, this project was time and effort demanding for us. We sometimes had difficulty to find a suitable time slot to arrange our weekly meeting. But despite the fact that we had limited time, everyone tries its best to contribute to the project.

Regarding the current status of the project, we are slightly behind our plan. But still, we enjoy learning new things and doing the project, which is one of the most important things when we consider the objective of the course.