

T.C
İZMİR UNIVERSITY OF ECONOMICS
FALL 2021-2022 TERM PROJECT



SE 380 - MOBILE APPLICATION DEVELOPMENT
PROJECT DOCUMENTATION

MY TRAVEL BUDDY

By

Kaan BONCUKÇU 20180601013

Selen SÖNMEZ 20190601041

Elçin KARADENİZLİ 20190601026

Section 1

Instructor Name

Asst. Prof. Gazihan ALANKUŞ

INDEX:

Parts Divided into Members.....	3
Introduction and Details of the Project.....	3
Concepts that have improved since presentation.....	3
Instruction manual about project.....	5
External Factors.....	11

Parts Divided into Members

Kaan Boncukçu- Login Screen, Album Screen, Authentication by using hashing

Elçin Karadenizli- Profile Screen, Others Profile Screen, Followers page and Followed page

Selen Sönmez- Register Screen, Posting Screen, Add Content Screen

Note: Everyone was responsible for their own screen's firebase actions. After the presentation phase, everyone swapped the screens with each other, in this way we were all involved in every screen and the screen designs were improved as we discussed in the presentation.

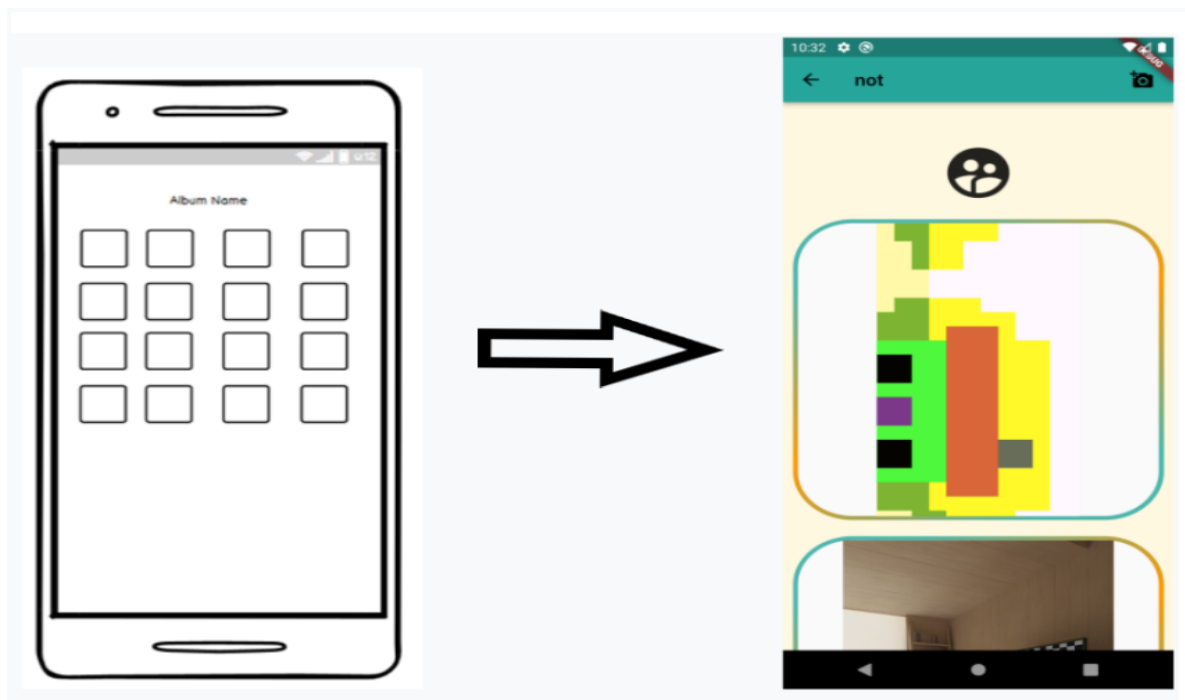
Introduction and Details of the Project

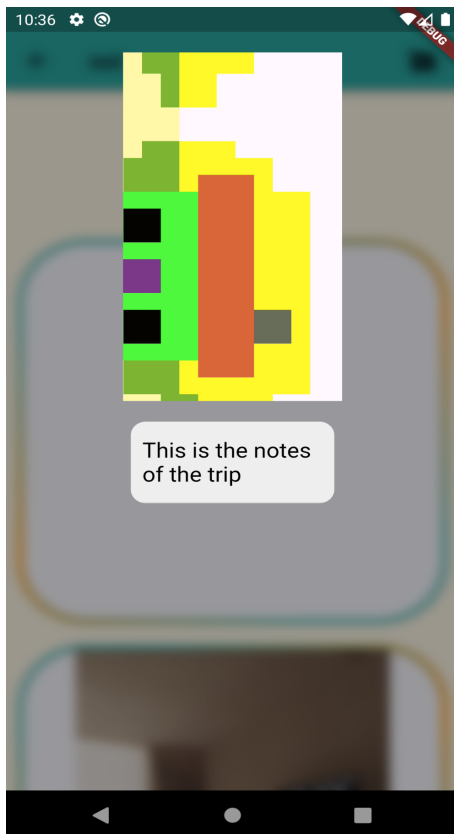
Our app helps the users to organize their memories and share them with followers. Users will be able to create a journey via app and store memories like photos, and travel notes. During the journey, the pictures that are taken will be stored by app and will be put into related albums. You can write anything about your journey like a diary. Like emotions, thoughts, people who you are with... In this way, your memories will never be lost. At the end of the journey, either you can share your album with your followers or it can stay as memories on your profile.

Concepts that have improved since presentation

At the beginning of the project, we stored the passwords which we obtain in the registration phase directly in the firebase. In the presentation, you said as feedback that it would be inconvenient for us to store the passwords this way. Passwords are no longer kept in the firebase directly, they are hashed and then stored in the database.

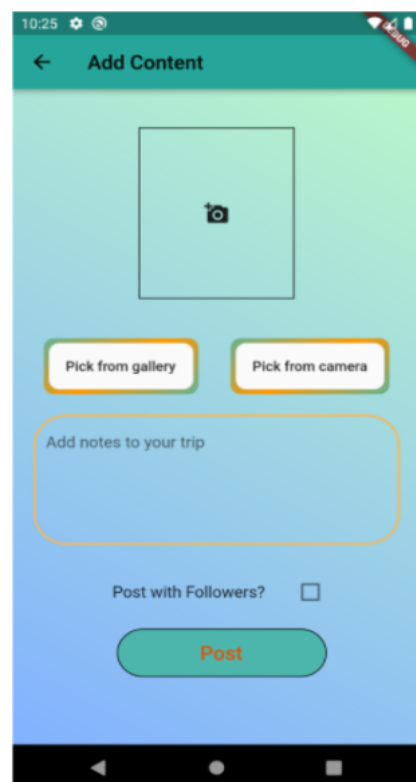
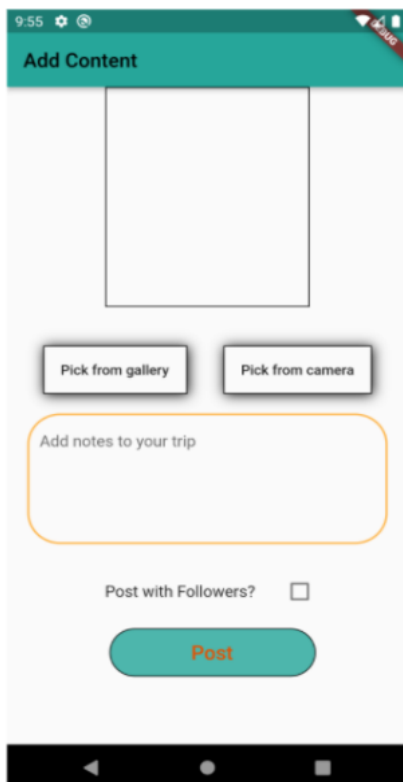
Before our presentation, we decided on the design of the page that opens when the user clicks on the album, but we did not implement it. We implemented this page after the presentation with a few design changes, as we mentioned we would in the presentation.



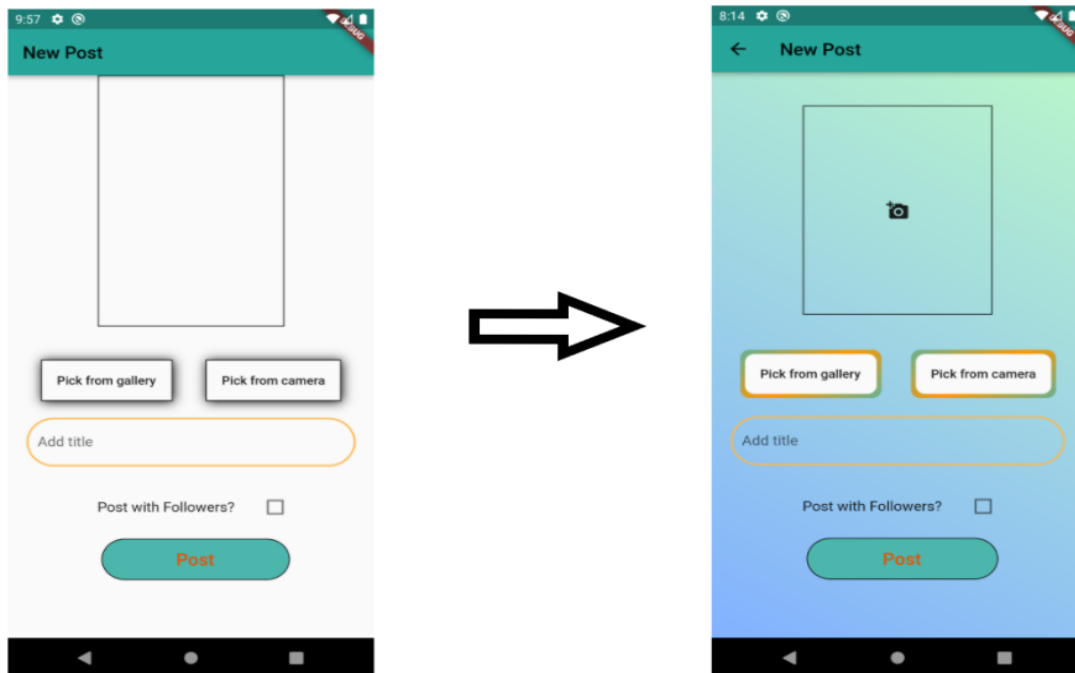


This is an additional work apart from what we've discussed in the presentation. This is the description of a content that the user enters which can be seen after long clicking on the content.

The screen where you can add content to photos from albums is implemented after the presentation.



When sharing an album, this page will be seen. The album can be shared with followers by checking the box named “Post with followers?”. This screen is implemented after the presentation.



Some design decisions of the screens are reviewed and changed according to the feedback received in the presentation.

We also did some bug fixing like the followers list not updating as planned, post with followers checkbox was not working properly.

You said that if we fix our storing password problem in firebase and implement both screens, our project would be sufficient. We solved both the password problem and implemented two screens.

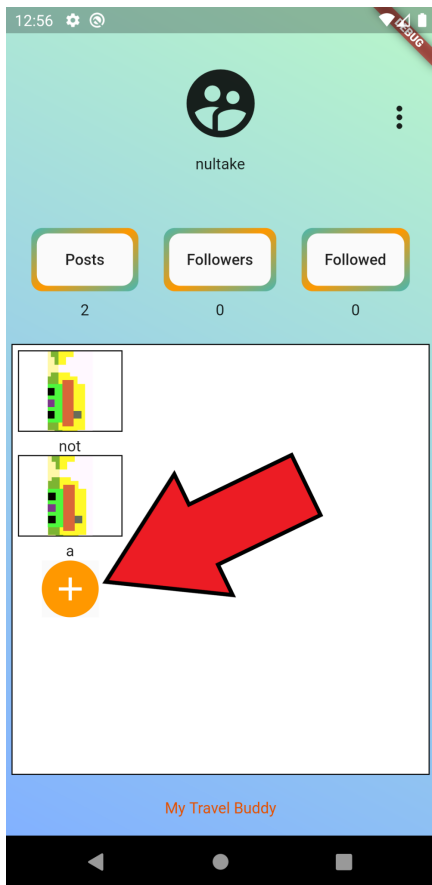
Instruction Manual About Project

First, the user should register the application to log in. The first screen which the user will see after logging in is her/his own profile page. On this page, by clicking on the profile photo, the user can change the profile photo to one of the photos in the gallery or take a new photo using the camera and make it a profile photo.

You can update the user photo later on by clicking and holding the icon “ : ” on the top right of the screen, then choosing ”Update from gallery”, ” Update from camera” options.

Users can also add new travel albums to his/her profile by clicking the plus button. The user can put photos in the album both by choosing from the gallery and taking a photo with her/his own camera. Then the user can add notes to the photos in the album. Users can see followeds and followers. Users can search other users’ profiles and view their posts by clicking and holding the icon “ : ” on the top right of the screen. Users can follow or unfollow users they search.

(The terms we use in the manual may confuse the users. “Posts” are albums. You cannot share a photo, it is considered as an album. Contents are the photos and their descriptions which are in the albums.)



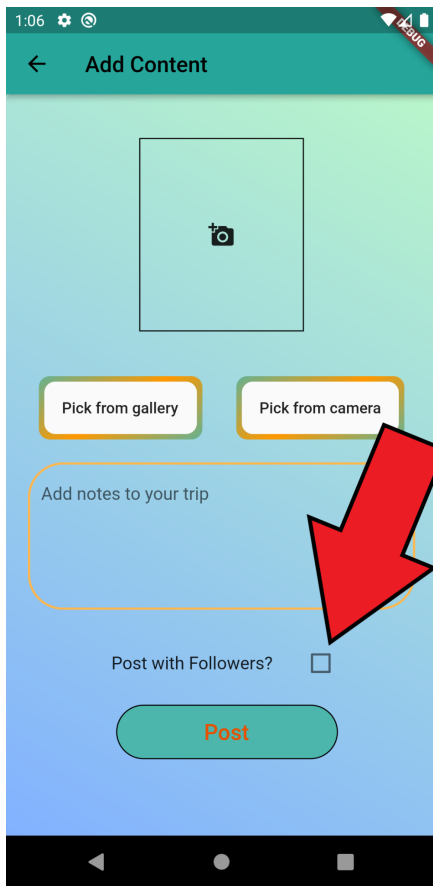
This is the add button to post an album.



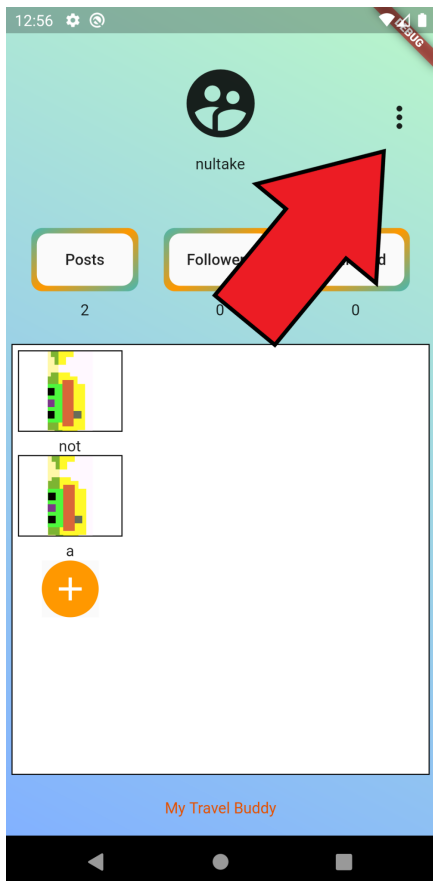
This screen comes up when you click on the add button.

This is the checkbox you need to check if you want to share the post with followers.

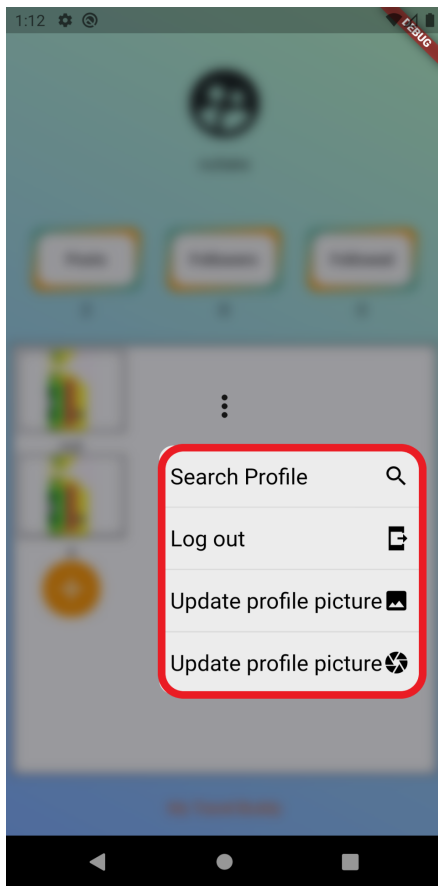
You can add



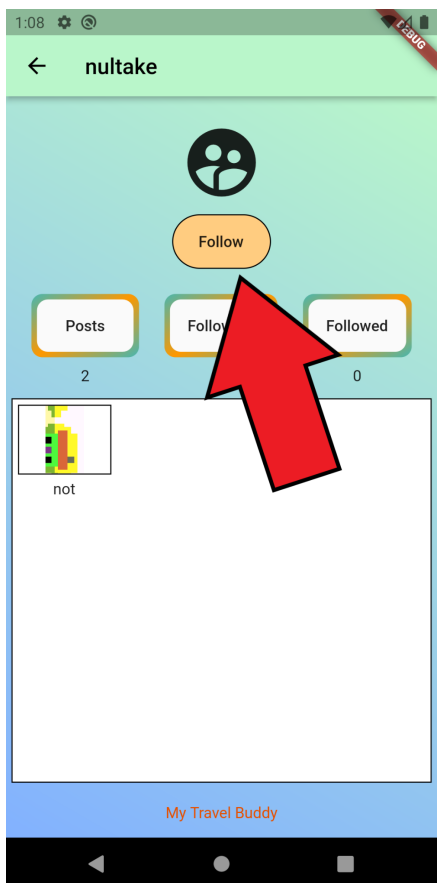
When you post a content, You can add description to it.



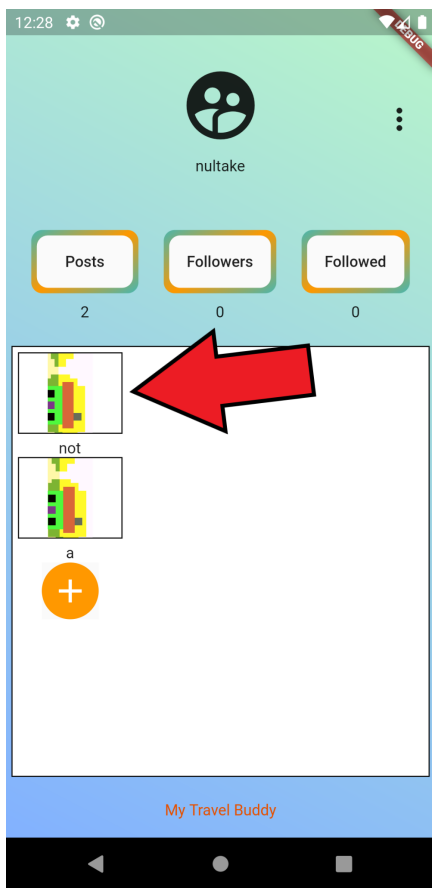
This is the button you need to click to open the context menu.



This is the context menu. It helps to search a user profile, log out update profile picture; both from gallery and camera.



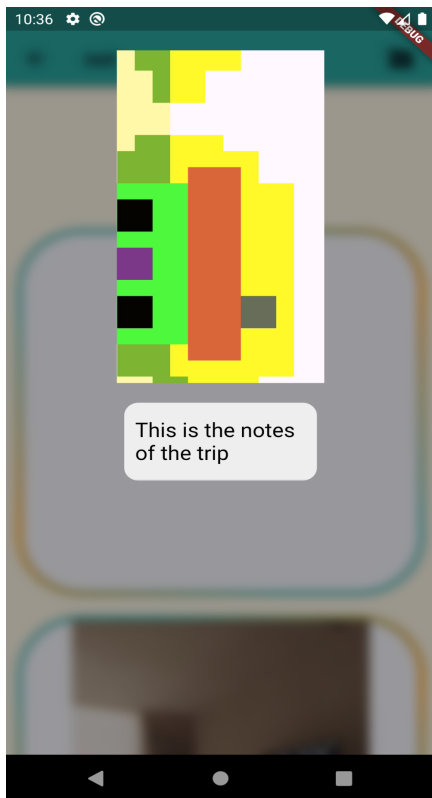
When you search a profile, the desired user's page shows up. You can follow and unfollow them with this button.



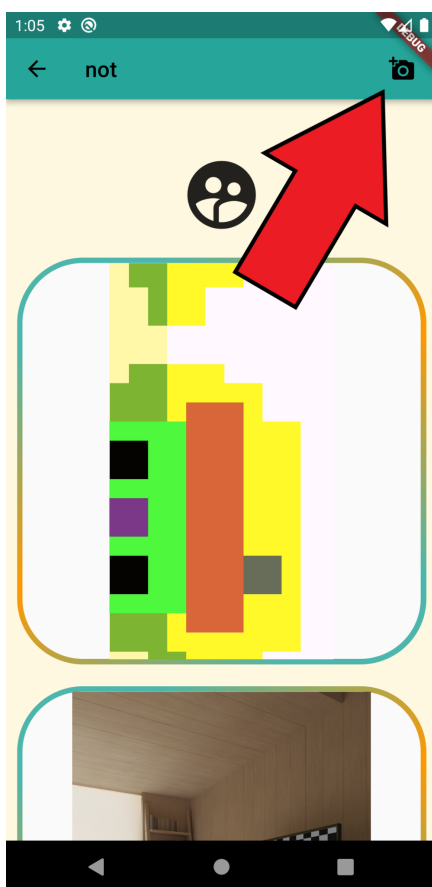
To view the contents of an album, you click the desired album.



After clicking on an album, user can see contents of the album.



When the user clicks longer on content, the user can see the description.



When clicking on a camera icon, user can add new content to album.

External Factors:

We did not use any exact code from the internet or did not watch and copy codes from tutorials. We used them and flutter, firebase documentation as a guidance and implemented them in our own way.

Libraries used

- Cupertino Icons
- Image Picker
- Firebase
- Firebase Firestore
- Firebase Storage
- Crypt
- Google Fonts