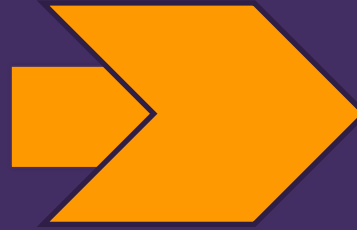# SEN3006- Software Architecture
Photograph Sharing Platform

Yousef Elbayoumi – 1722326
Oğuzhan Kalkuz - 1729304
Mohammad Saed Alsaid- 1800838

Imagine the problem

What the solution will be ?!?!

Our project !!!

Photograph Sharing Platform
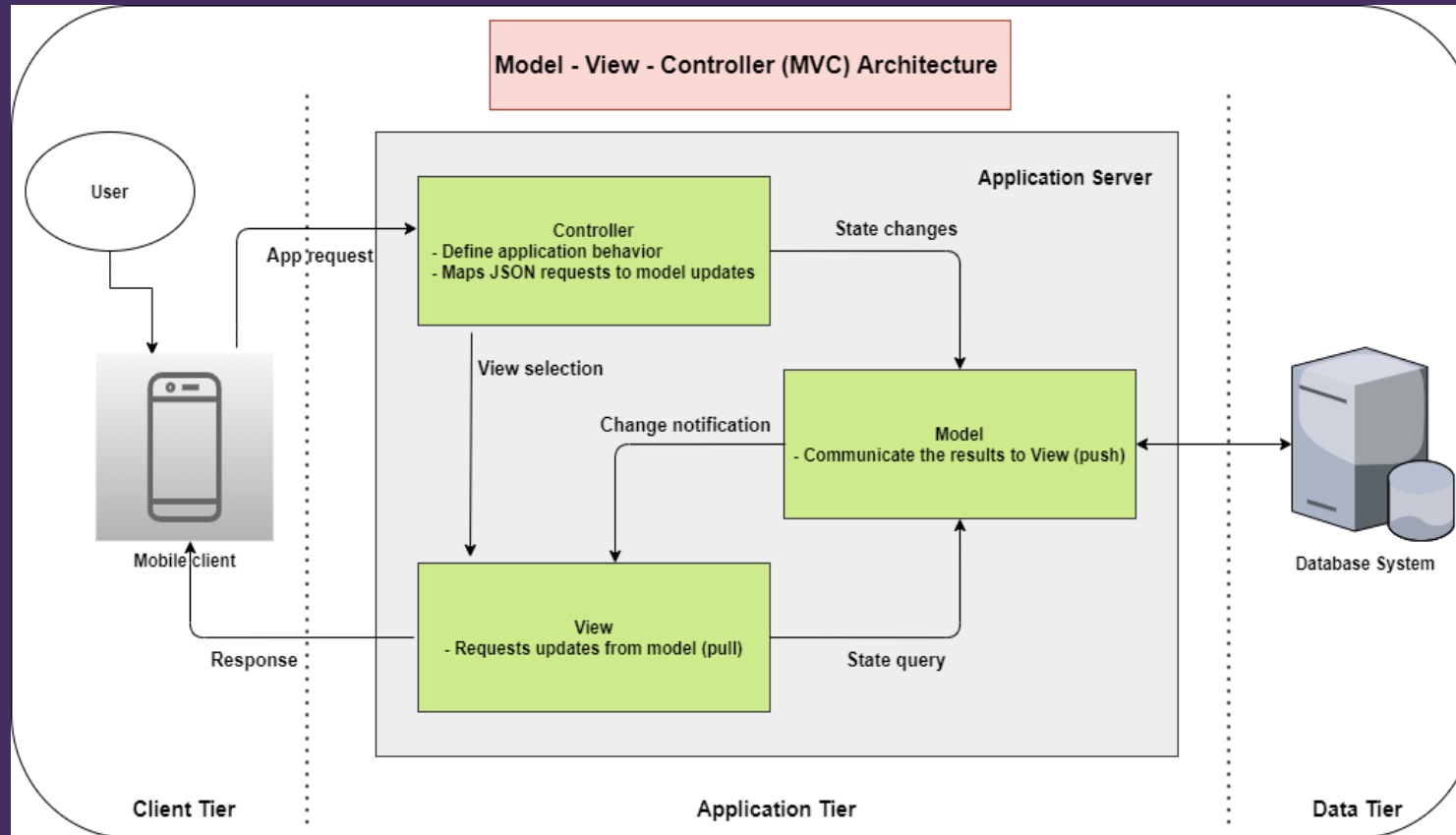
About the project

Definition:

Photograph sharing platform that allows users to share their photos to the app's feed or with other members in an anonymous way on the platform. Likes & Dislikes work as ratings for a post and these can only be seen by the one who share. Ratings will be good for an artist or photographer for analyzing the people's preferences to art. User's posts will remain permanently. This platform will work also in a matching logic similar to Tinder. Users will be able to rate other users' posts, and the posts with highest ratings will be shown more frequently in the trend. This project is a mobile application, the group will use React native as a frond-end and as a back-end for the database. The database will store various data such as accounts, pictures, likes, dislikes, matches.
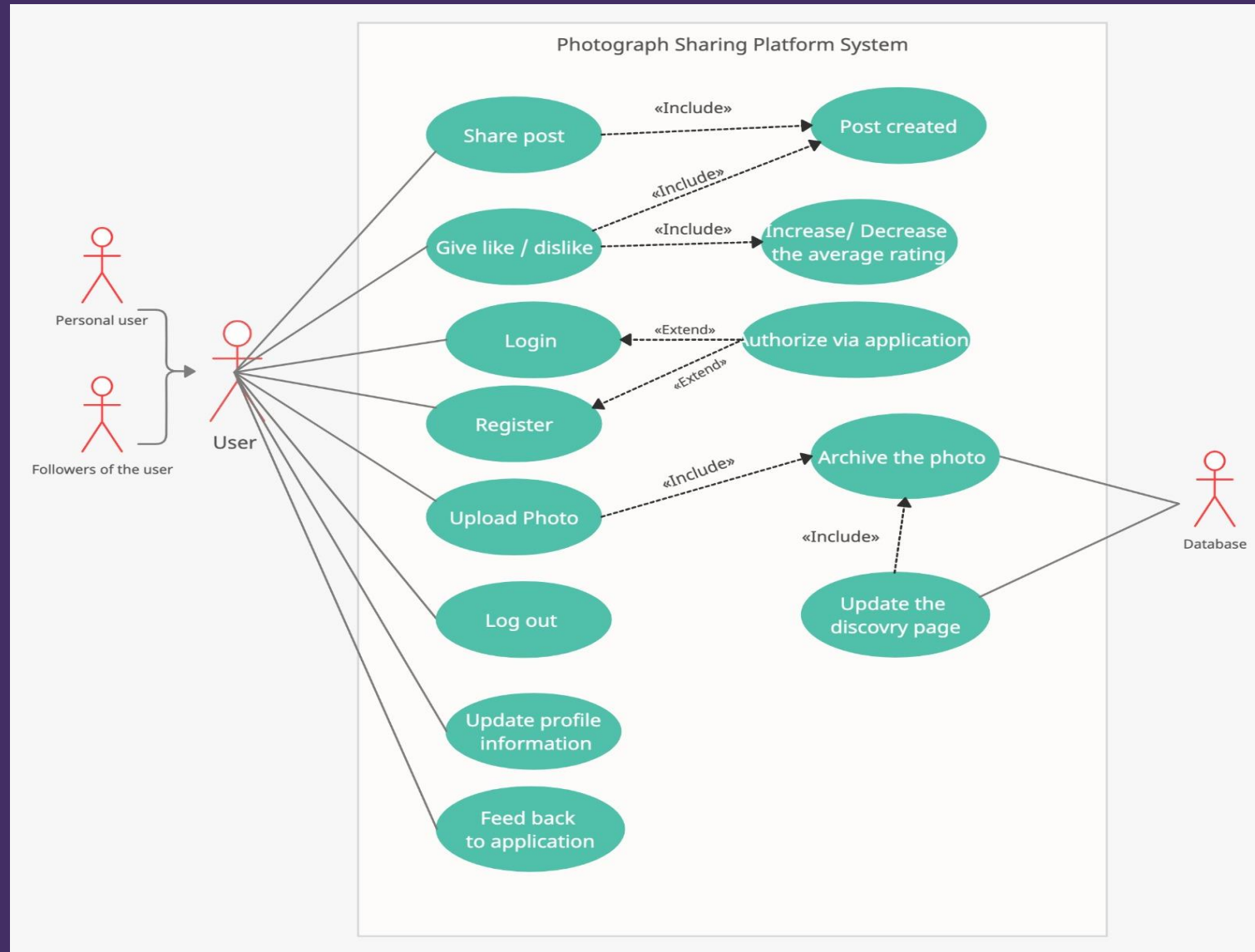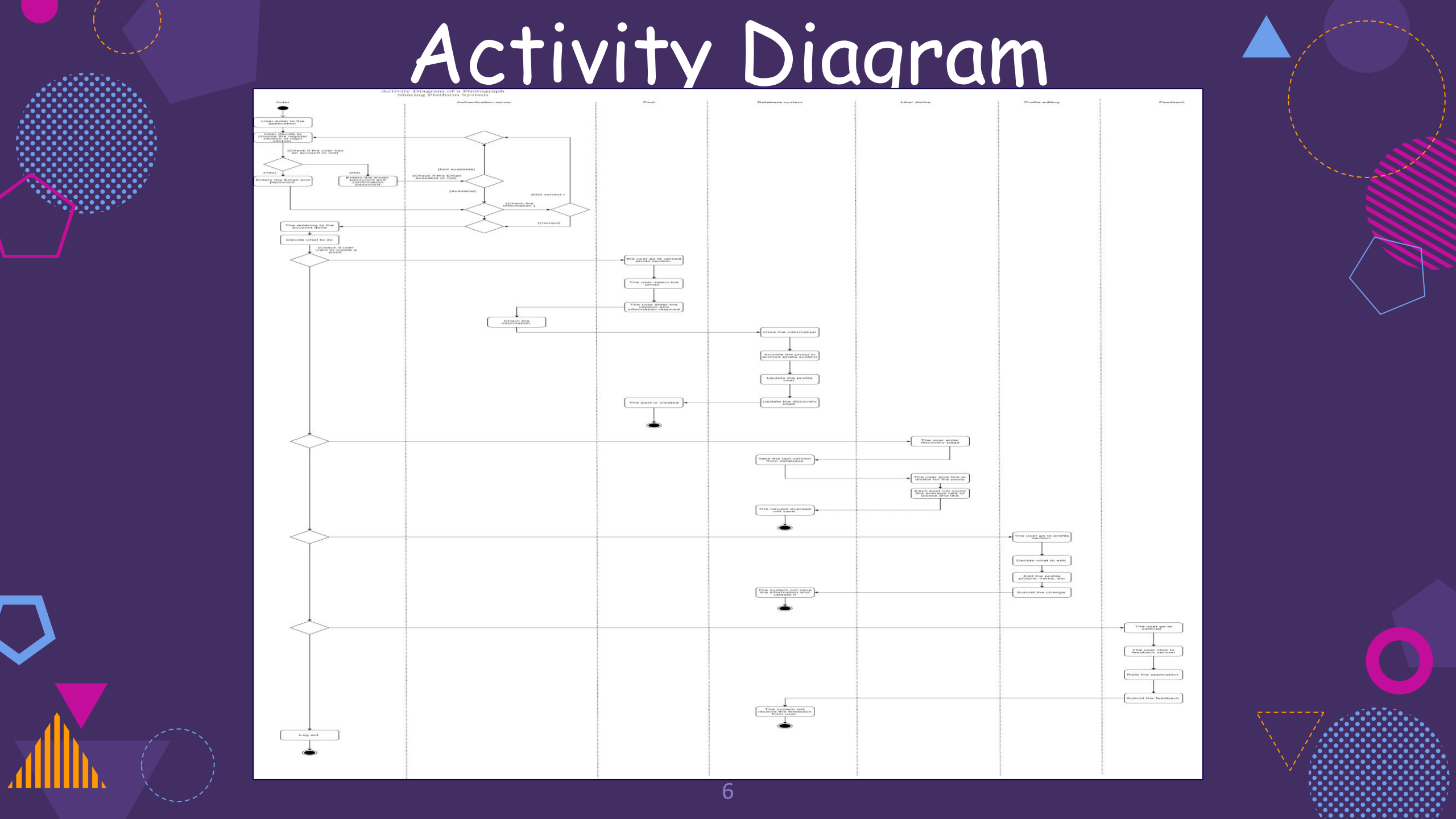
Goals:

A media platform where any user can share and rate users' media anonymously. There will be a like / dislike feature for posts which will work as the rating based on the ratio, High rated posts will be shown on the trending page of the app. This app will come in handy mostly for people in the photography industry. The application will be available on IOS and Android systems.
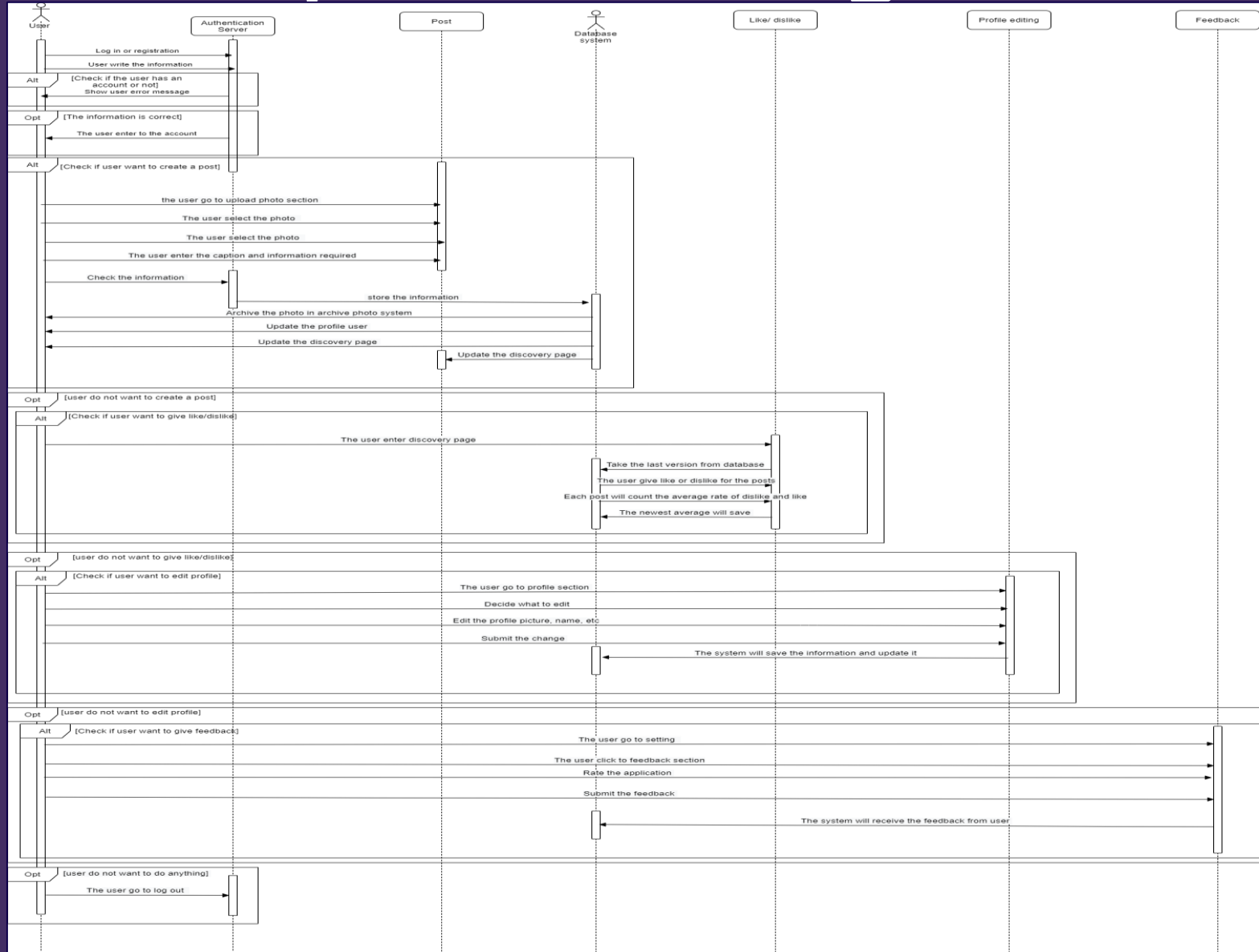
Software Architecture Diagram

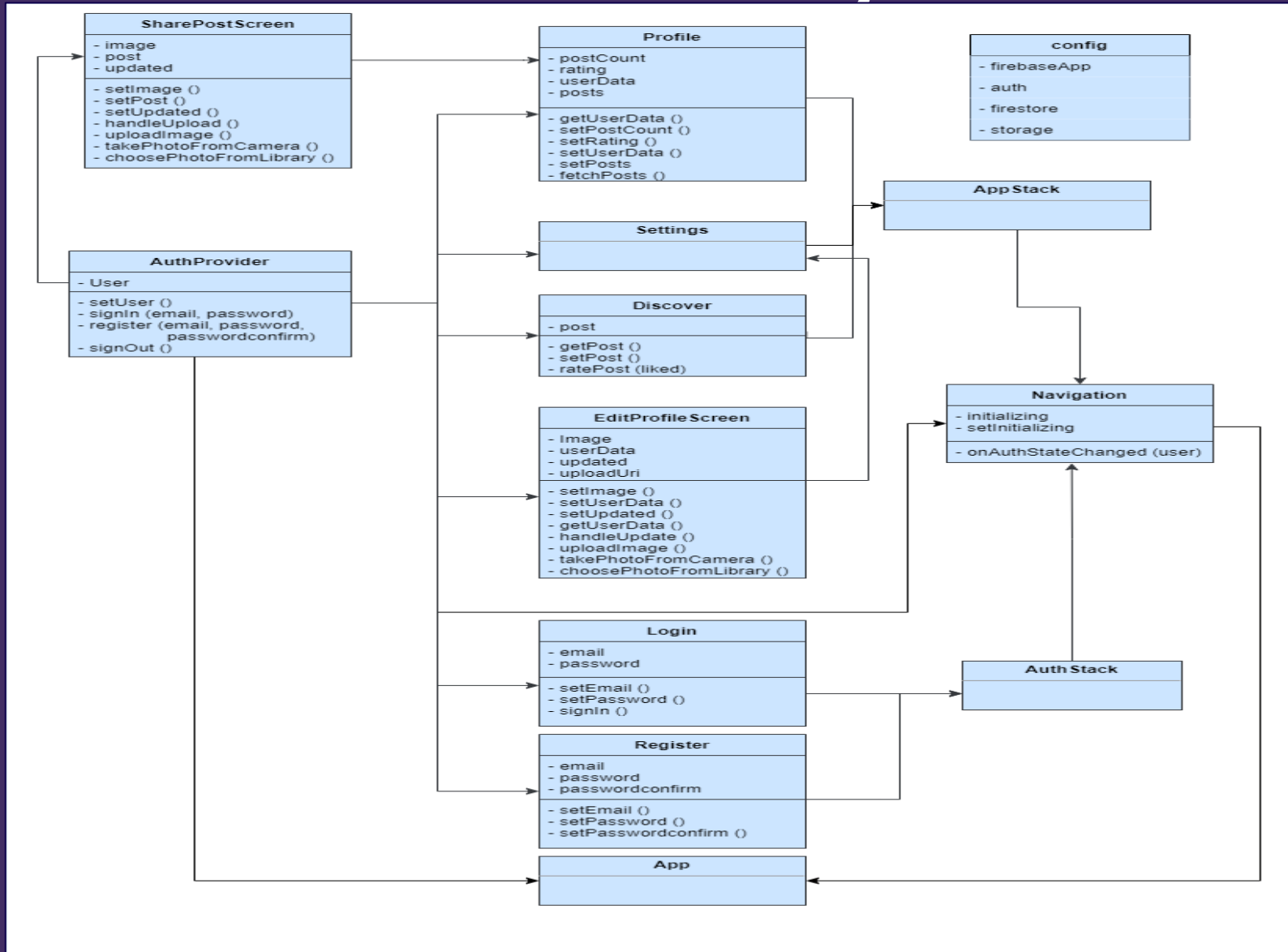Model - View - Controller (MVC) Architecture

Application Server

User

App request

Controller
- Define application behavior
- Maps JSON requests to model updates

State changes

View selection

Change notification

Model
- Communicate the results to View (push)

Mobile client

Response

View
- Requests updates from model (pull)

State query

Database System

Client Tier

Application Tier

Data Tier

Use Case Diagram

Photograph Sharing Platform System

Personal user
Followers of the user
User

Share post — «Include» → Post created
Give like / dislike — «Include» → Post created
Give like / dislike — «Include» → Increase/ Decrease the average rating
Login ← «Extend» — Authorize via application
Register ← «Extend» — Authorize via application
Upload Photo — «Include» → Archive the photo
Log out
Update profile information
Feed back to application

Archive the photo ← «Include» — Update the discovry page
Update the discovry page — Database

Activity Diagram

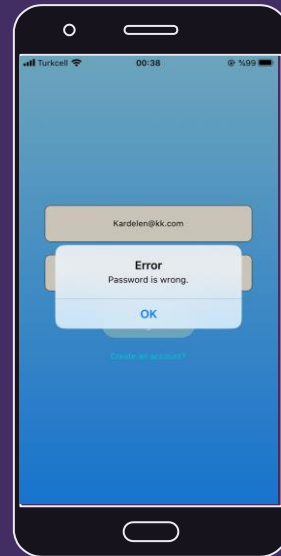Activity Diagram of a Photograph Sharing Platform System
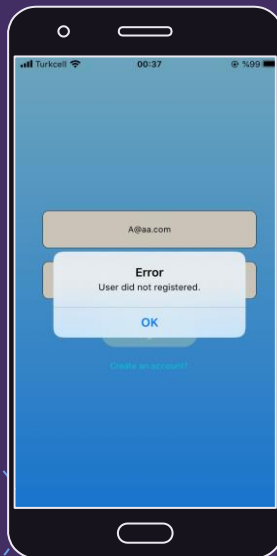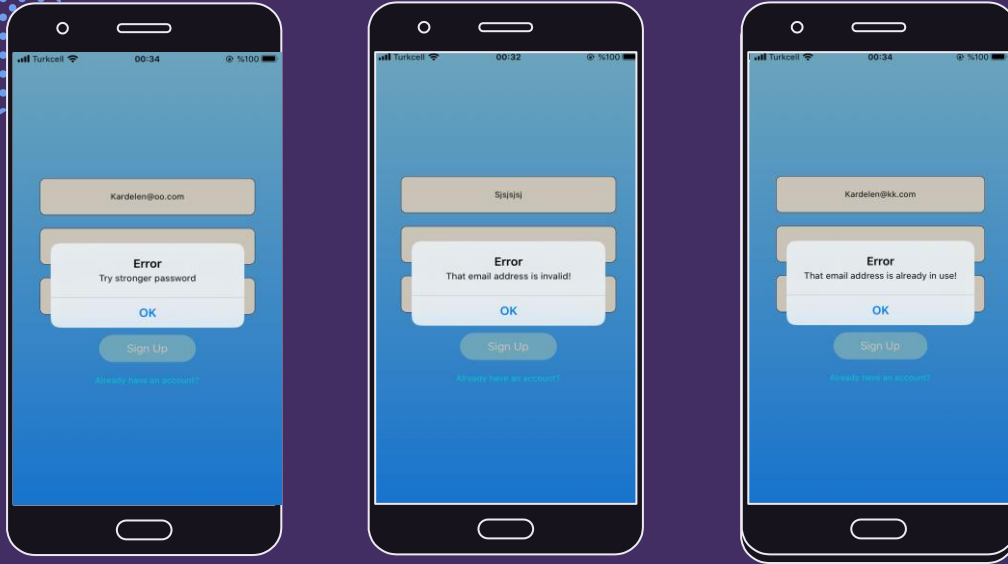
Sequence Diagram

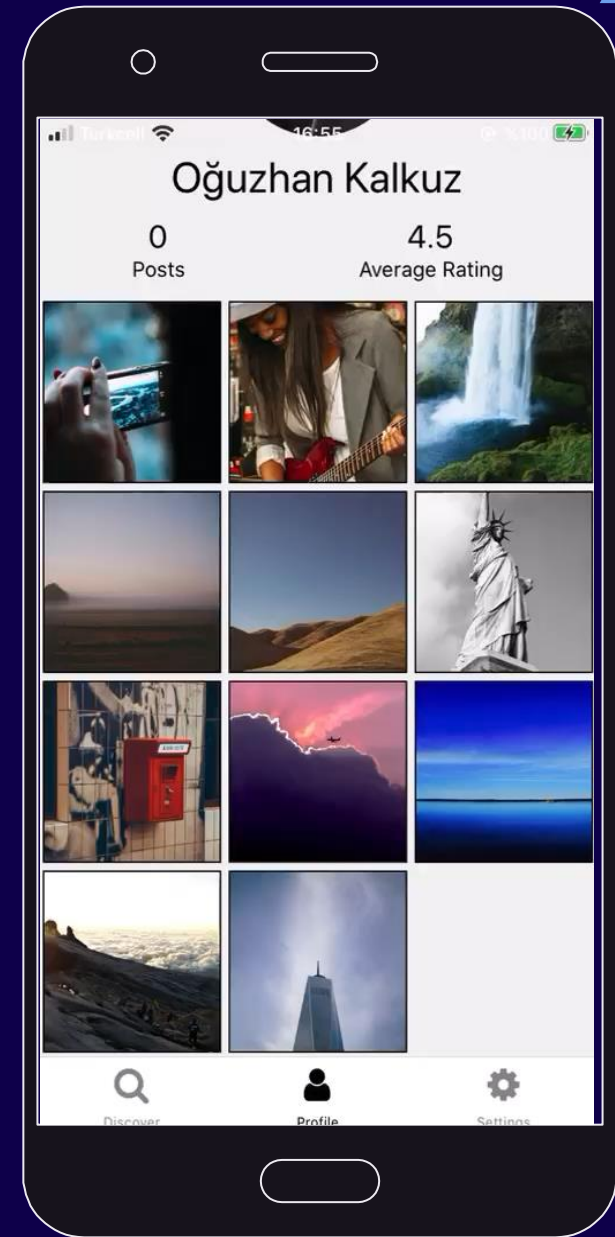# Class Diagram
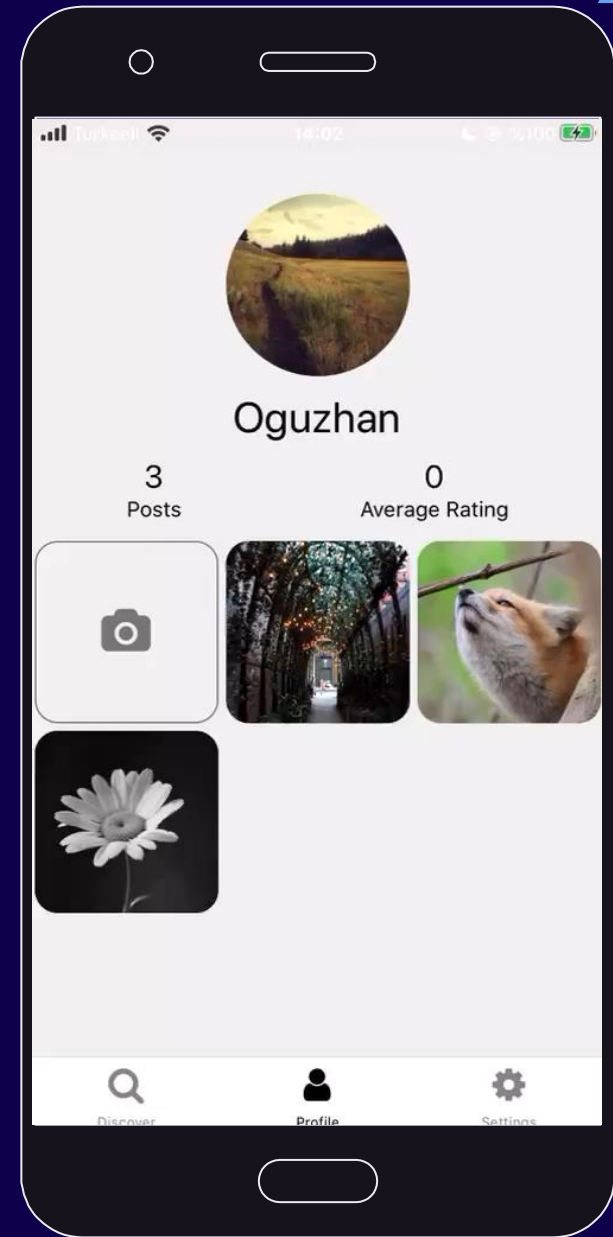
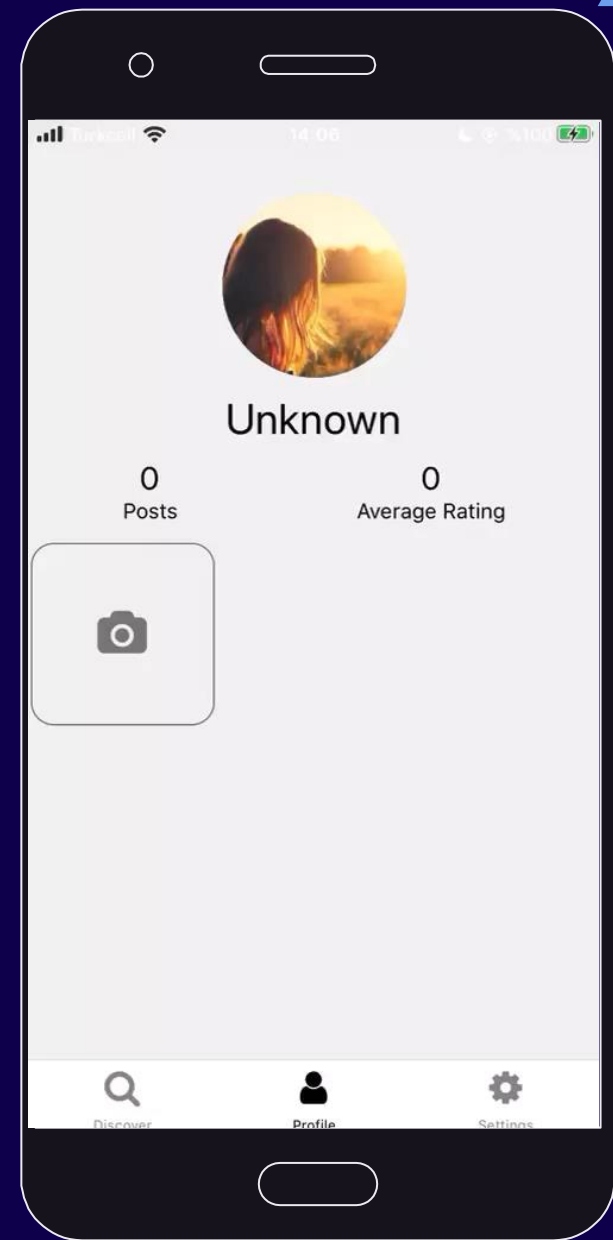# Before Live application Let's check database and the code
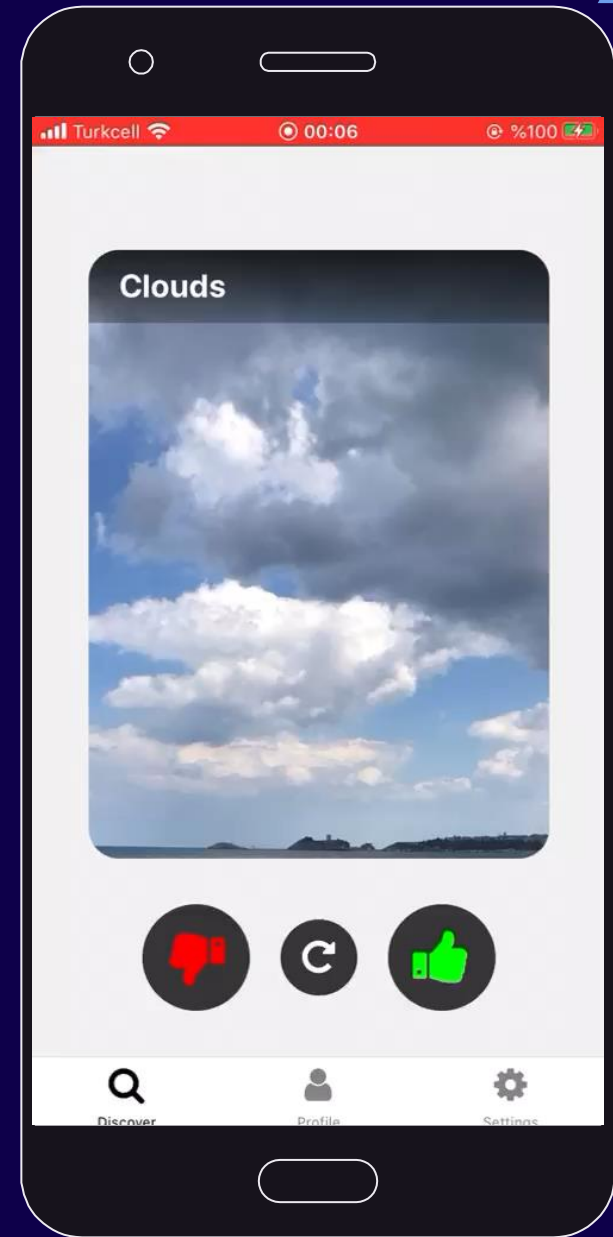
Register and login page
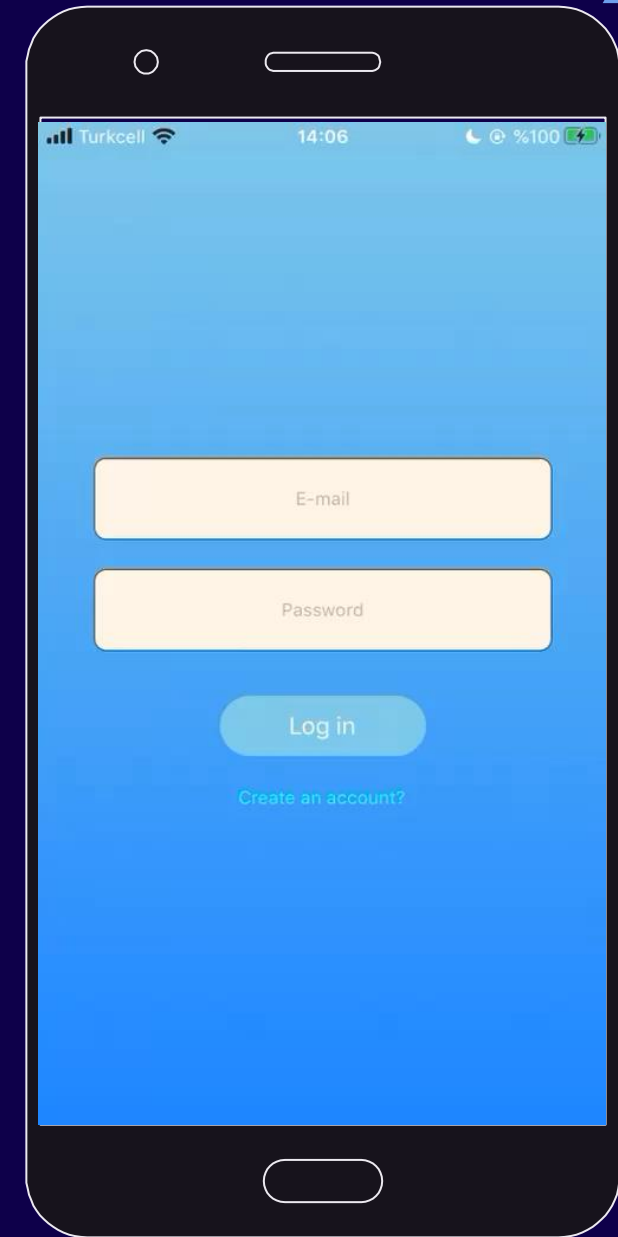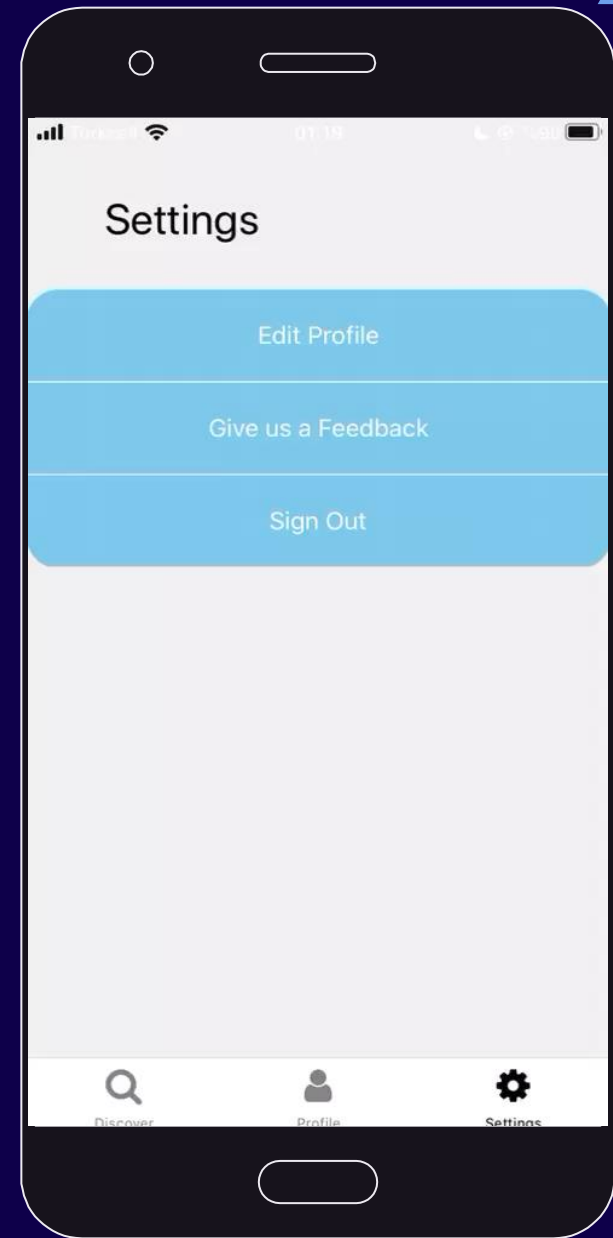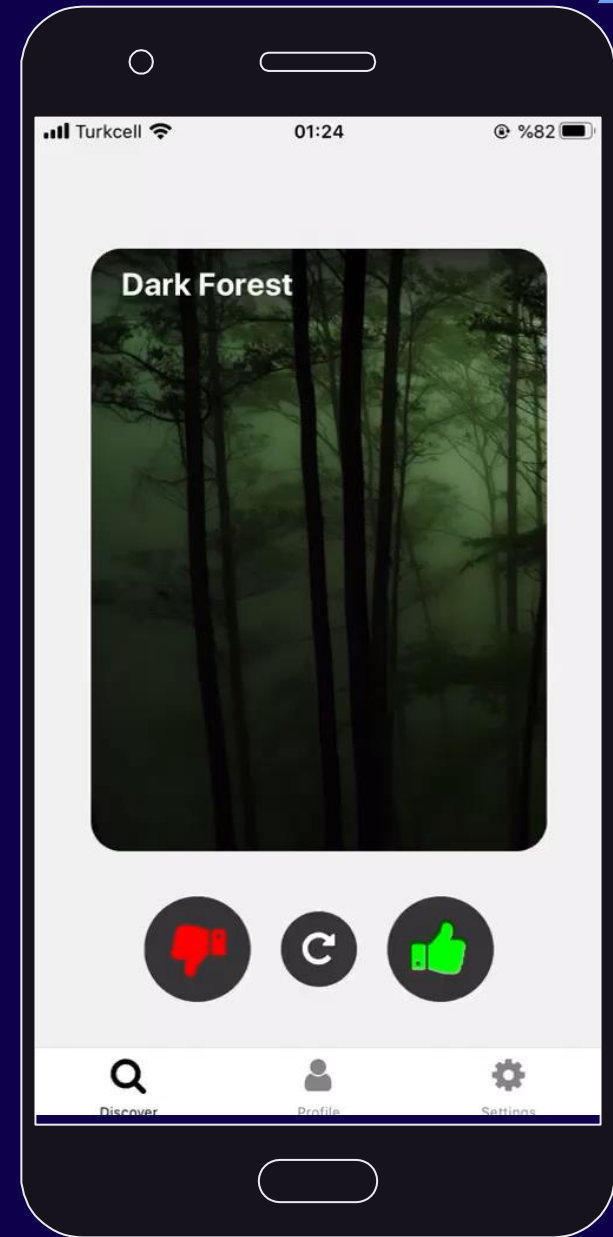
Profile page

Upload photo

Update profile

Discovery page

Give feedback

Sign out

Big concept

"If you really look closely, most overnight successes took a long time."
-Steve Jobs-

The end

Thanks!

Any questions?

Hope you like it and enjoy