# Lifestyle App

CS 6018:  Application System Design

# Team Architecture

Team Lead: Anirudth Lath aka RUDY

Design Lead: Imane Laaroussi

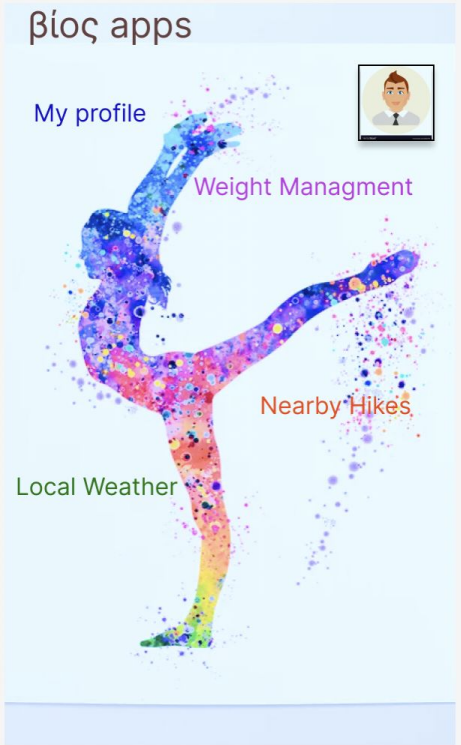
Test Lead: Polina Lyubavina

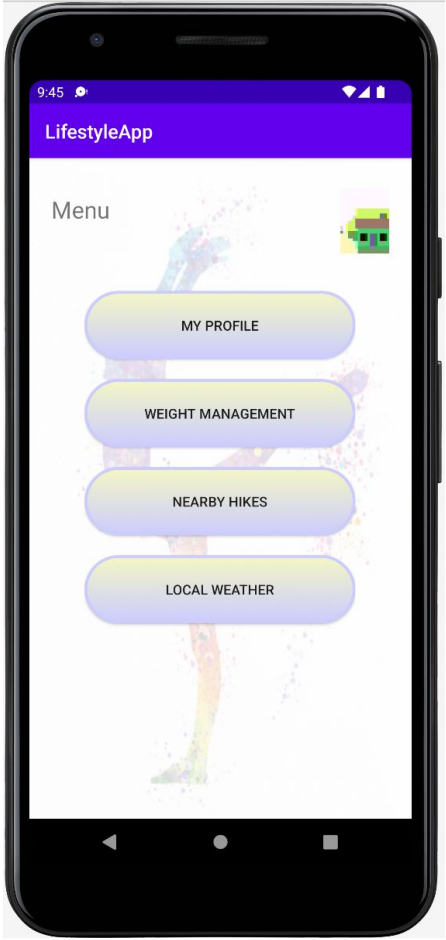
# UI Design

Figma was used for inspiration

Left - design inspiration

Right - design in practice



# UX & UI

UI

-Nice looking buttons

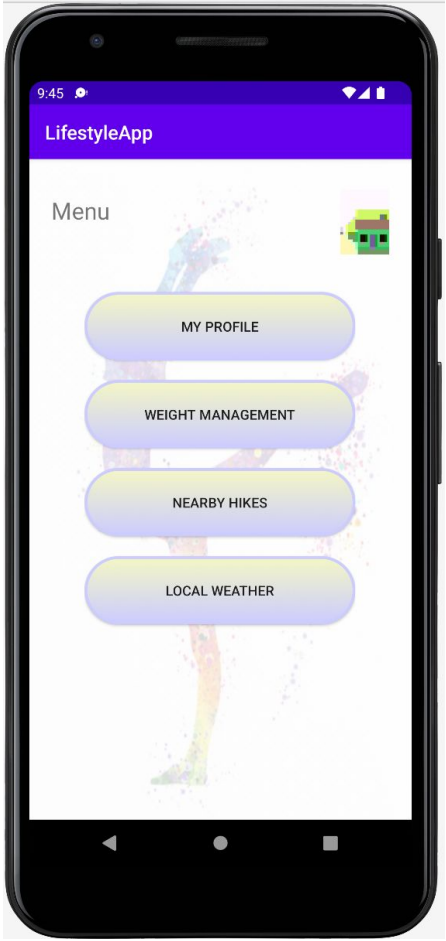
UX

-Move seamlessly between Views

-Each View provides rich data for the User

-The User generates insights by using the Views

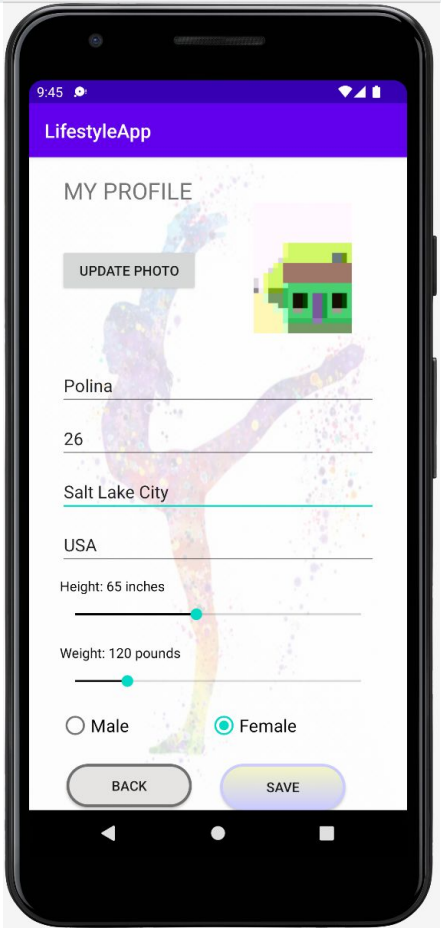
-The app is intuitive for the User to use

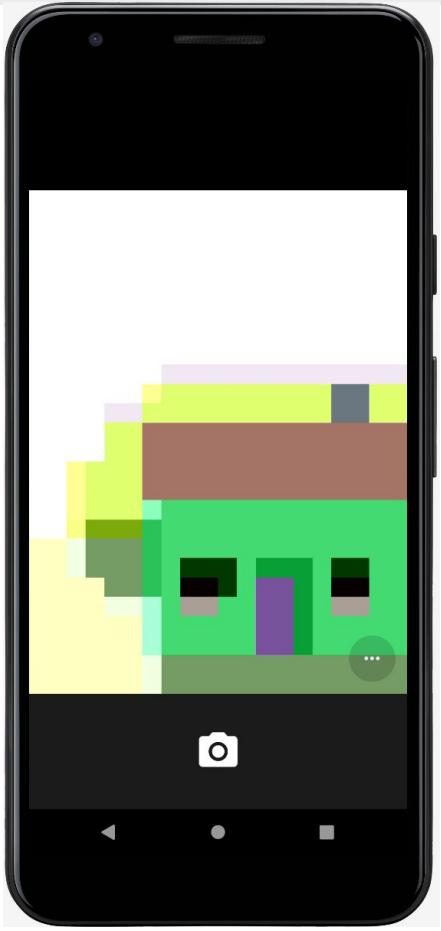


# Profile

Used to gather data for:

- BMI
- BMR
- Daily Calories Intake
- Local Weather
- Hikes
- Photo



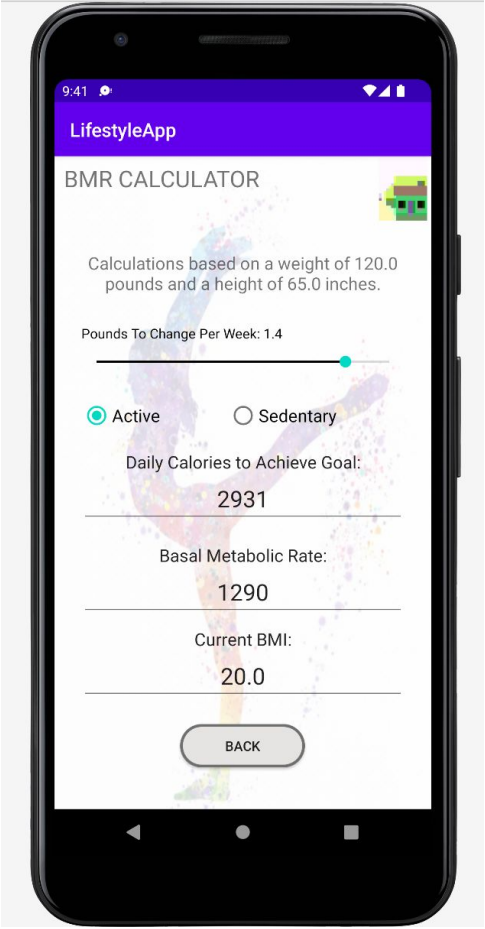
# BMR Calculator

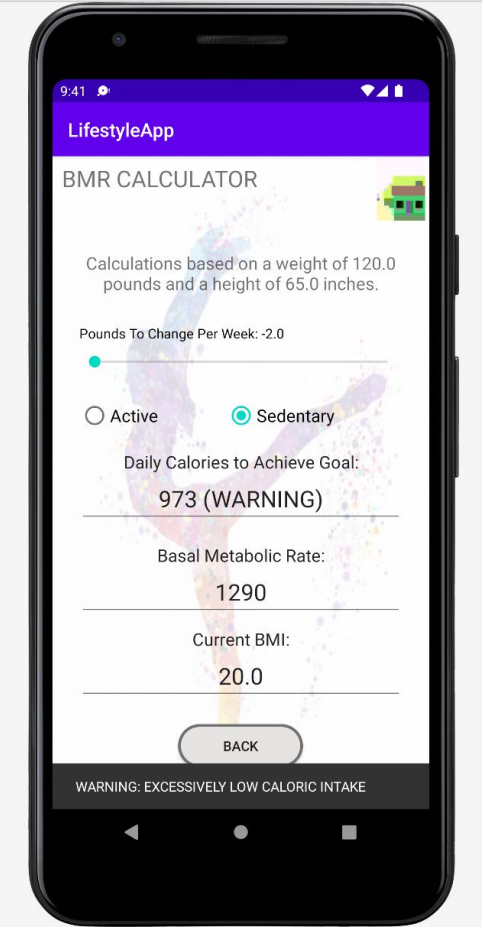
3 functions in total:

BMI Calculator

BMR Calculator

Calories Intake Calculator

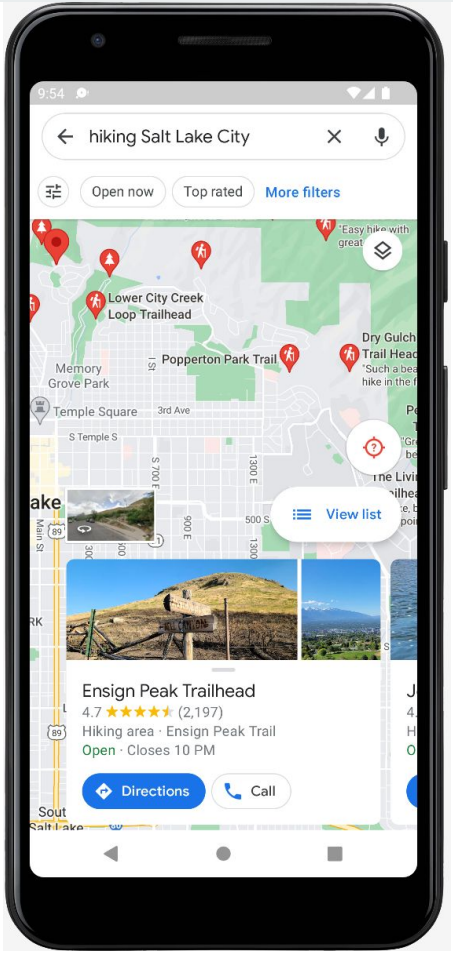


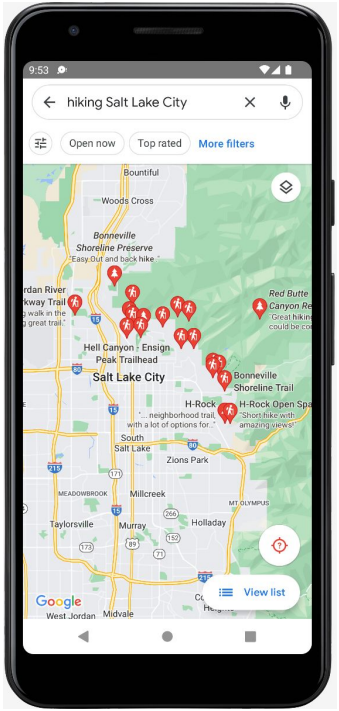



# Maps & Hikes

Nearby hikes show up on the Google Maps API

Profile details automatically fill in city & search for nearby hikes



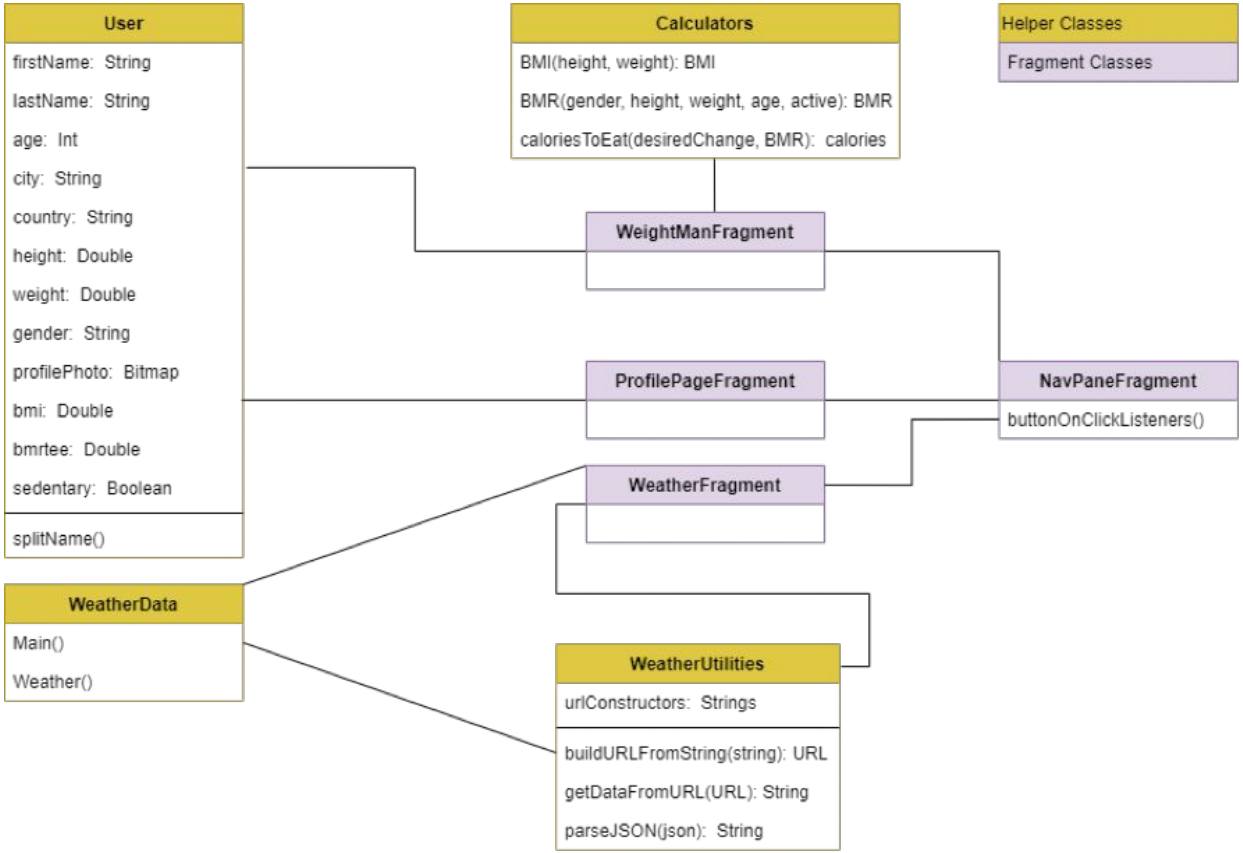



# Local Weather

Weather gives you a detailed summary of the weather for provided location

Profile details automatically fill in city

# Class Diagram



# Test Strategy

- Unit Tests
  - App functions process data correctly

- Manual UI Tests & Automated UI Tests
  - The app does not crash or freeze

# Database:  Firebase

User Authentication:

We explored Firebase authentication API to manage users. Even though it is not in the current implementation of this app, it is being explored on a different repo.

User Data:

We are in the processing of understanding how the realtime database system for firebase works. Once we do this, it should enable us to provide a seamless industry standard user experience to the users of our app.

# The End