Elevar

The theme of the app is fitness tracking. It aims to support users reach their fitness goals by providing numerous features:

Account creation:
When the user launches the app, they will be greeted with a welcoming page and given the option to create a new account if they wish to do so. During the account creation process, the user will be prompted to provide their login details, including their email address and password. Additionally, users will have the option to enrich their profile by adding personal details such as their weight, height, age, and gender. Users can assign a profile picture by picking from the gallery, or using their camera directly from within the app.
This feature will involve multiple screens and a navigation system. One of these screens will display the sign-up page, while another will showcase the user's personal profile information. To facilitate easy editing of their information, dialogs and pickers will be utilized on the profile page. To ensure the security and accessibility of the user's information, both local and cloud storage solutions will be implemented, with HTTP requests to reference the database for existing account information.

Workout planning:
Users have the ability to create and tailor their own personalized workout plans. This includes the flexibility to select specific days, hours, and durations for each activity. Customization of workout plans will be facilitated through the use of dialogs and pickers, allowing users to fine-tune the details of each activity to suit their preferences.

Schedule:
This will show an overview of the workouts that the user has previously made under the days they were made for. The user will be able to edit existing workouts or create new ones. This feature will require notifications and snackbars.

Progress/Statistics overview:
Users will have the ability to access information related to their completed workouts such as the number of hours spent and their personal best achievements for each exercise or activity. To present this data effectively, the feature will incorporate the use of charts, enabling users to track their progress visually and gain insights into their fitness journey.

Home Screen:
Users can conveniently track their daily accomplishments, which may encompass metrics such as steps taken, distance walked, and calories burned. Additionally, users will receive notifications to stay informed about their fitness goal for that day.

Geolocation:
Users can pick a starting and end point for their running / jogging session. Distance between those two points will be shown. An interactive map will be shown for picking points. HTTP requests could be used to get points of interest based on location data using a service such as Google's Places API.

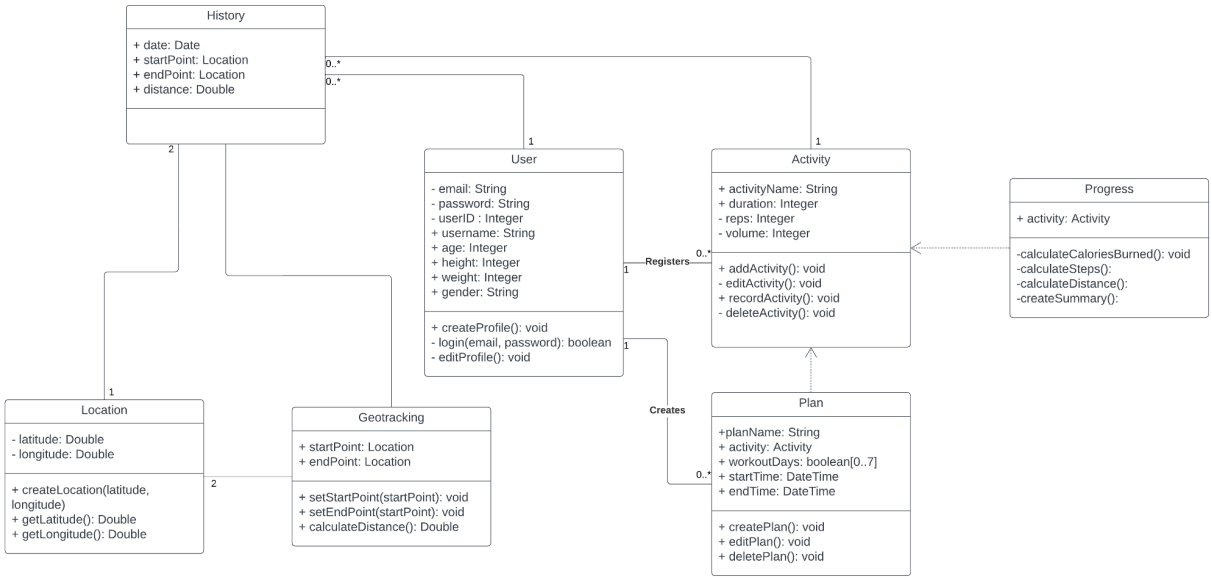
History:
Displays information from every session from the whole week, including: steps, calories, and destination.

Members & Responsibilities

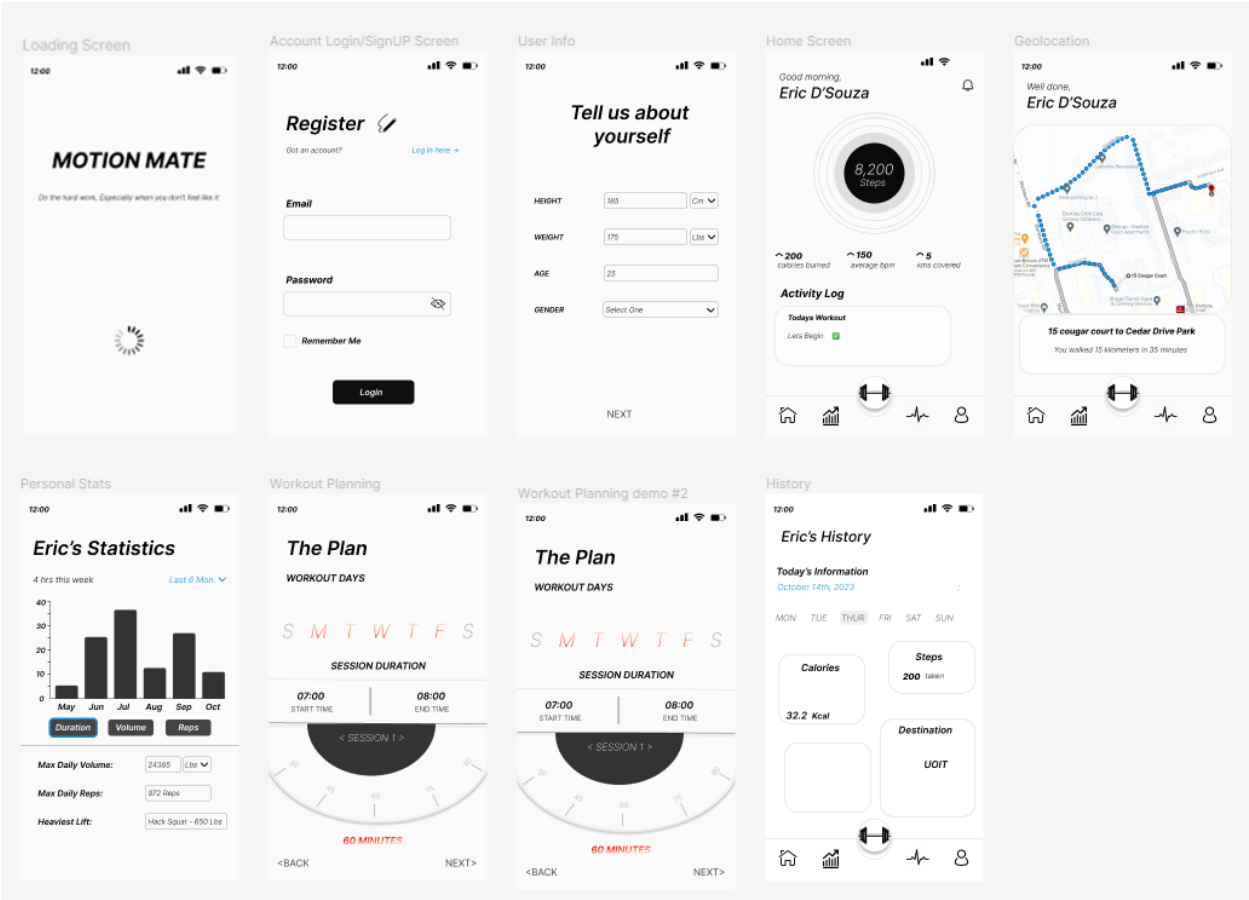
1. Gavin - Local database creation, register page, account creation
2. Mo - Geolocation, home screen
3. Eric - Geolocation, interactive map page, loading screen
4. Jonah - Cloud database creation, loading screen, account creation
5. Dane - History page, user info page

Each group member is responsible for the UI and functionality of at least one page component as seen below in the mockup. Help will be provided for functionalities as per needed by whoever is available and confident enough.

Code Design:



Mockup of UI:



Note: this mockup uses the app's previous name "MotionMate".