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GetFit

Description

Increasing percentage of population today spends a large part of their day on a desk and long hours of sitting coupled with little to no exercise is causing serious health concerns. the app will encourage users to adopt a healthier lifestyle by allowing them to track their movement and weight.

Intended User

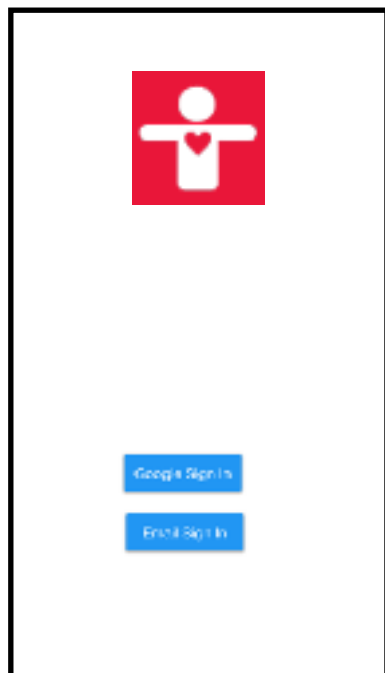
1. Any one who currently leads a sedentary lifestyle
2. works on a computer for more than 6hrs a day

Features

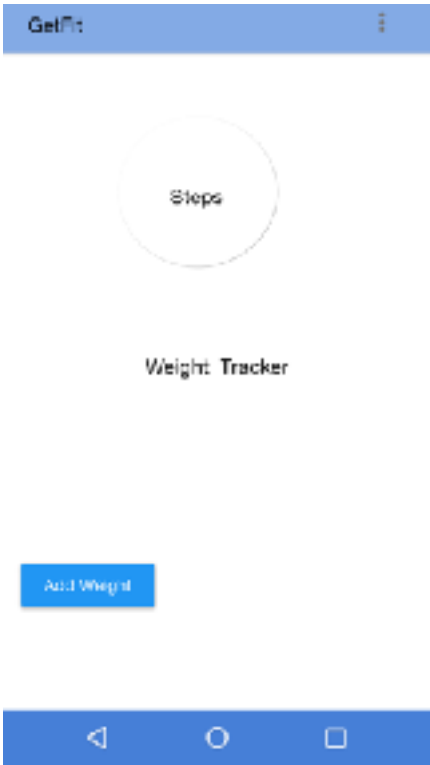
1. Step tracking in progress bar
2. Weight Tracking per day
3. Route tracking on map

User Interface Mocks

Screen 1 - Login Screen



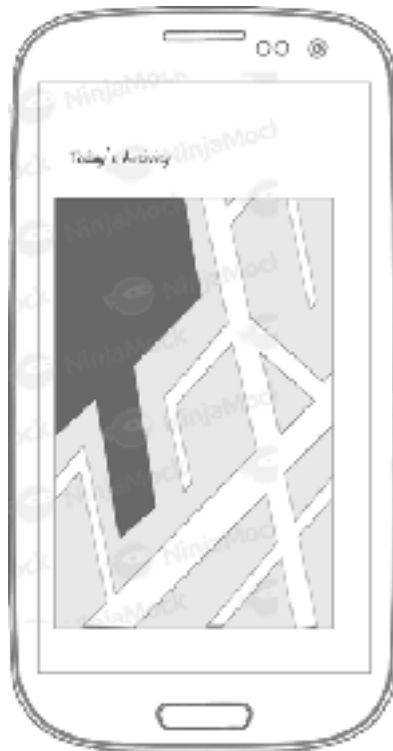
Screen 2 - Main Page



Screen 3 - Menu and Weight Prompt



Screen 4 - Route Tracking



Key Considerations

How will your app handle data persistence?

Firestore Realtime Database

Describe any edge or corner cases in the UX.

1. When entering route tracker check if app has permission to access user location. If not get access.
2. When adding weight by default take current date. Multiple entries in a day are updated.
3. When tracking steps check if app has access to get user step info from google fit. If not get access.
4. On each load check if user exists in firestore database. If not add user and prompt for weight.

Describe any libraries you'll be using and share your reasoning for including them.

App uses Firebase Realtime Database to load data to views.
App uses MPAndroidChart to build weight tracking chart.

Describe how you will implement Google Play Services or other external services.

1. Google Location services
2. Google Fitness
3. Google Map Services
4. Google Auth(to use fitness data)
5. Firebase Database
6. Firebase Auth

Task 1: Project Setup

1. Configure Libraries
2. Add external library
3. Add project to firebase
4. Setup data model in firebase
5. Enable authentication in firebase database
6. Enable google and email login in Firebase Auth

Task 2: Implement UI for Each Activity and Fragment

1. Add Firebase UI login page
2. Add app logo to Auth UI and android app widget
3. Add circular progress bar
4. Build chart for weight tracking

Task 3: Your Next Task

1. Add code to pull step data from google fit

2. Add new user to Firebase database and prompt for weight
3. Add map route tracking