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GitHub Username: vitorarrais

Tunerun

Description

Tunerun is a music streaming app that allows people to listen to music based on the intensity of your running activity.

Intended User

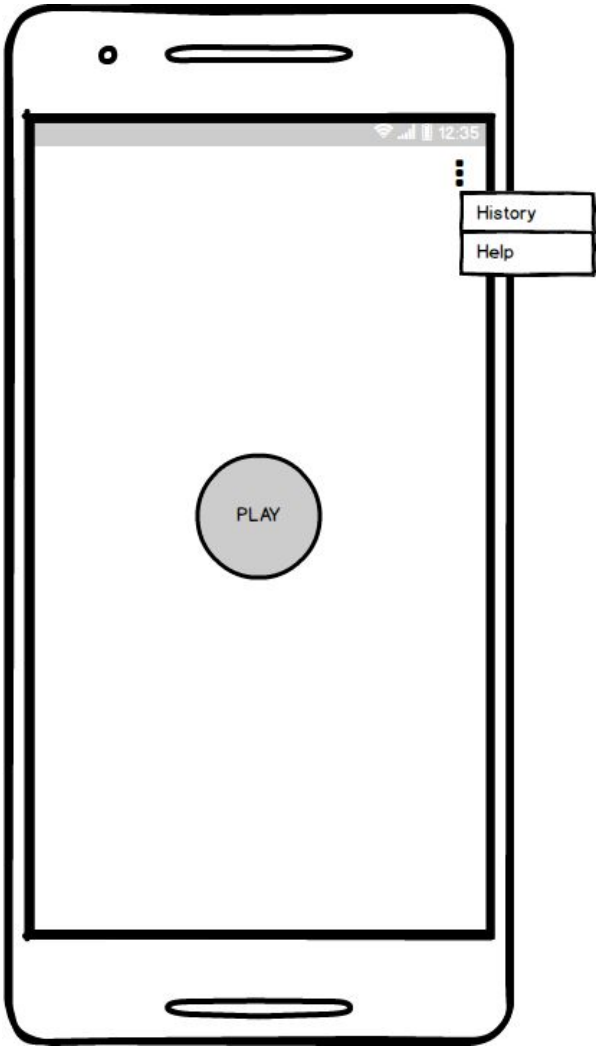
People that love to run while listening to music

Features

1. Plays music
2. Tracks distance and speed
3. Records activities
4. Shows the activity path on a map

User Interface Mocks

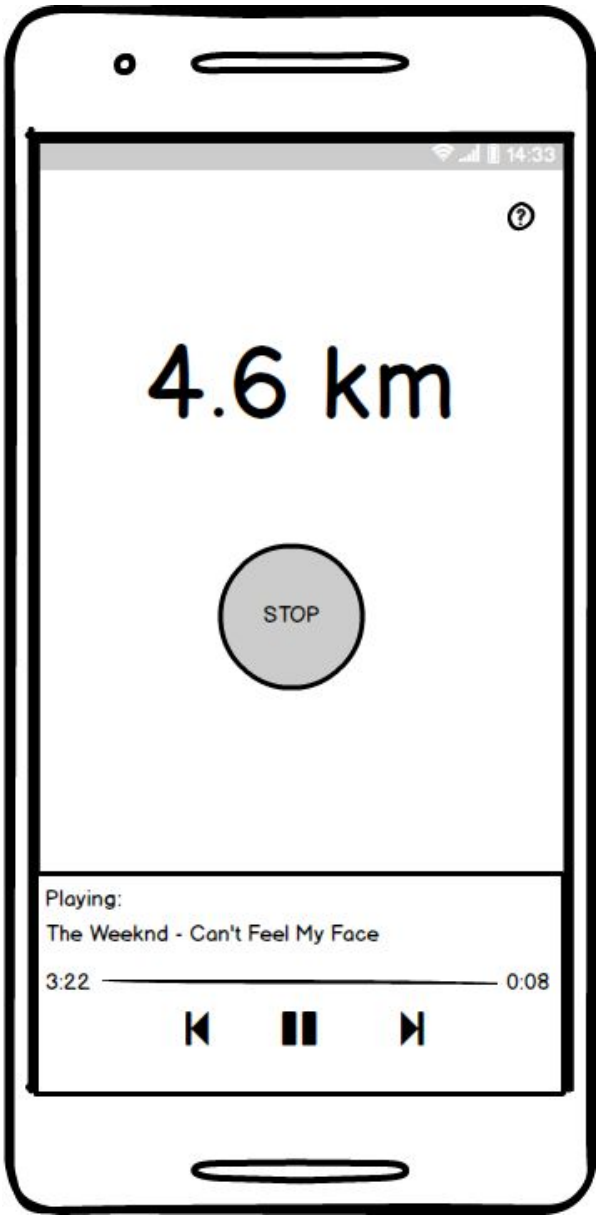
Screen 1



Initial screen with 3 actions:

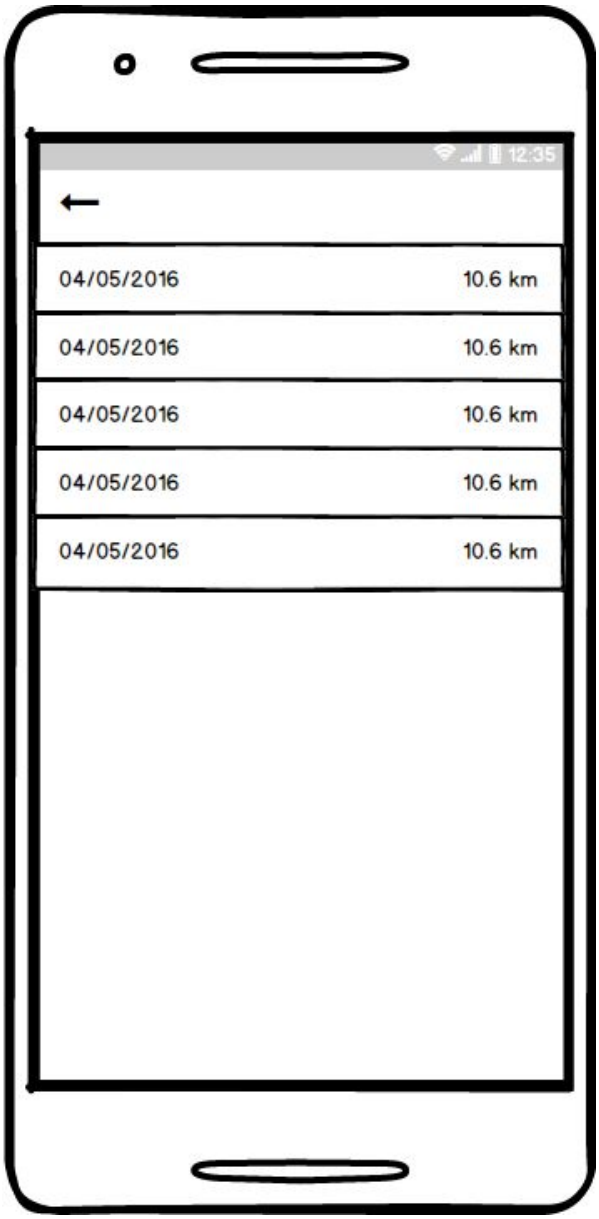
- Help: Describes briefly what the app does
- History: Shows activities history
- Play Button: Starts to track distance and plays music

Screen 2



Screen that informs current song and the distance traveled.

Screen 3



History screen:

- Shows the activities history
- When user clicks on an item, shows a map with the path taken traced on it.

Key Considerations

How will your app handle data persistence?

Uses ORMLite database

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

Picasso for loading images
Spotify Android SDK to play audio tracks

Describe how you will implement Google Play Services.

Google Play Location Service: The app will request the user to get updates of his location periodically. A SyncAdapter will be used to manage the requests to Google Location Services. Beside that, a Content Provider will be used to retrieve data from the database and show the content on the UI.
Google Maps: The app will trace the path taken by the user on a map and create an activity history where he'll see his past activities. The path will be traced using the data retrieved from Google Location Service.

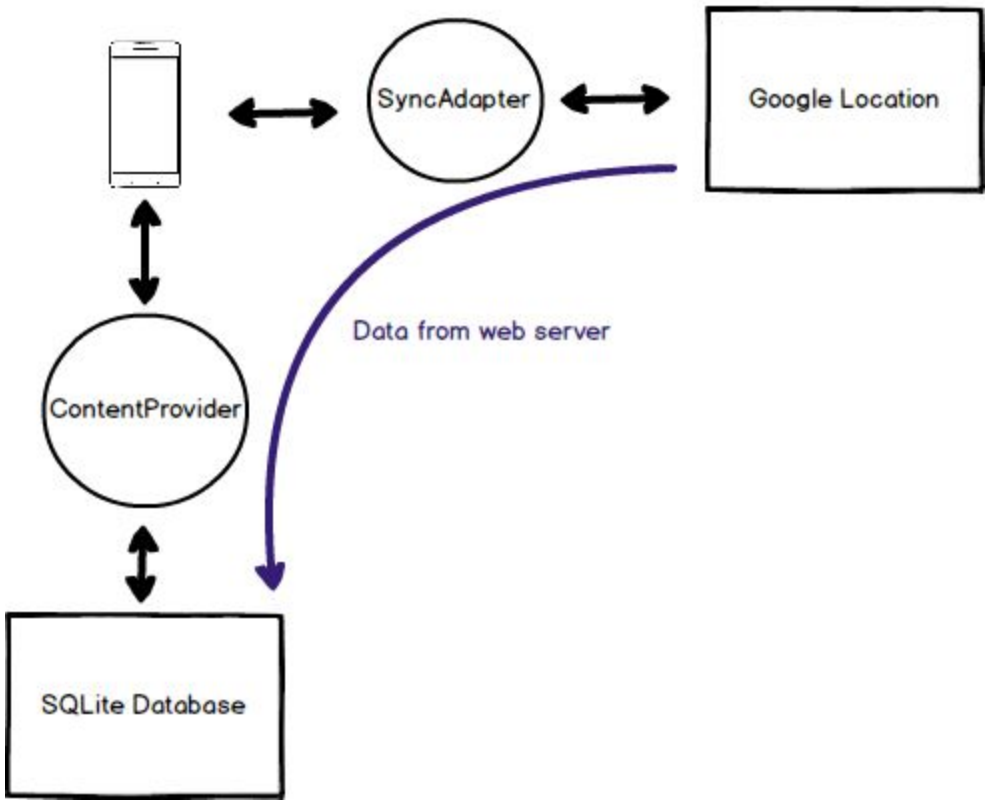


Figure 1 - Communication with server scheme.

Next Steps: Required Tasks

Task 1: Project Setup

1. Import libraries into the project
2. Define material colors in resources xml

Task 2: Implement UI for Each Activity and Fragment

1. Implement UI for 1st screen
2. Implement UI for 2nd screen

Task 3: Integrate Spotify API

1. Create Service for playing music
2. Integrate Spotify API to play songs

Task 4: Integrate Google Play Location Service

1. Integrate Location Service to track distance and speed

Task 5: Integrate Google Maps

1. Integrate Google Maps
2. Trace a path on a map using Polyline

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