SkyEnRoute

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Description

"SkyEnRoute" is an app that gives weather information of different locations (every 1/10th of distance or 2 mi, which ever is more), along the driving directions path between 2 locations. The weather, at every regular interval of distance , along the path of transit, between 2 locations is displayed graphically as well as in text form.

Intended User

This app is intended for Travellers, as it gives weather information for a transit route.

Features

List the main features of your app. For example:
● Saves weather information of different location on path of transit

User Interface Mocks

Screen 1:

This is the main screen for the app. This screen displays weather info, of multiple locations that are in the path of transit. The weather at those locations are represented as clickable markers(not present accuratley in the screen at this moment).
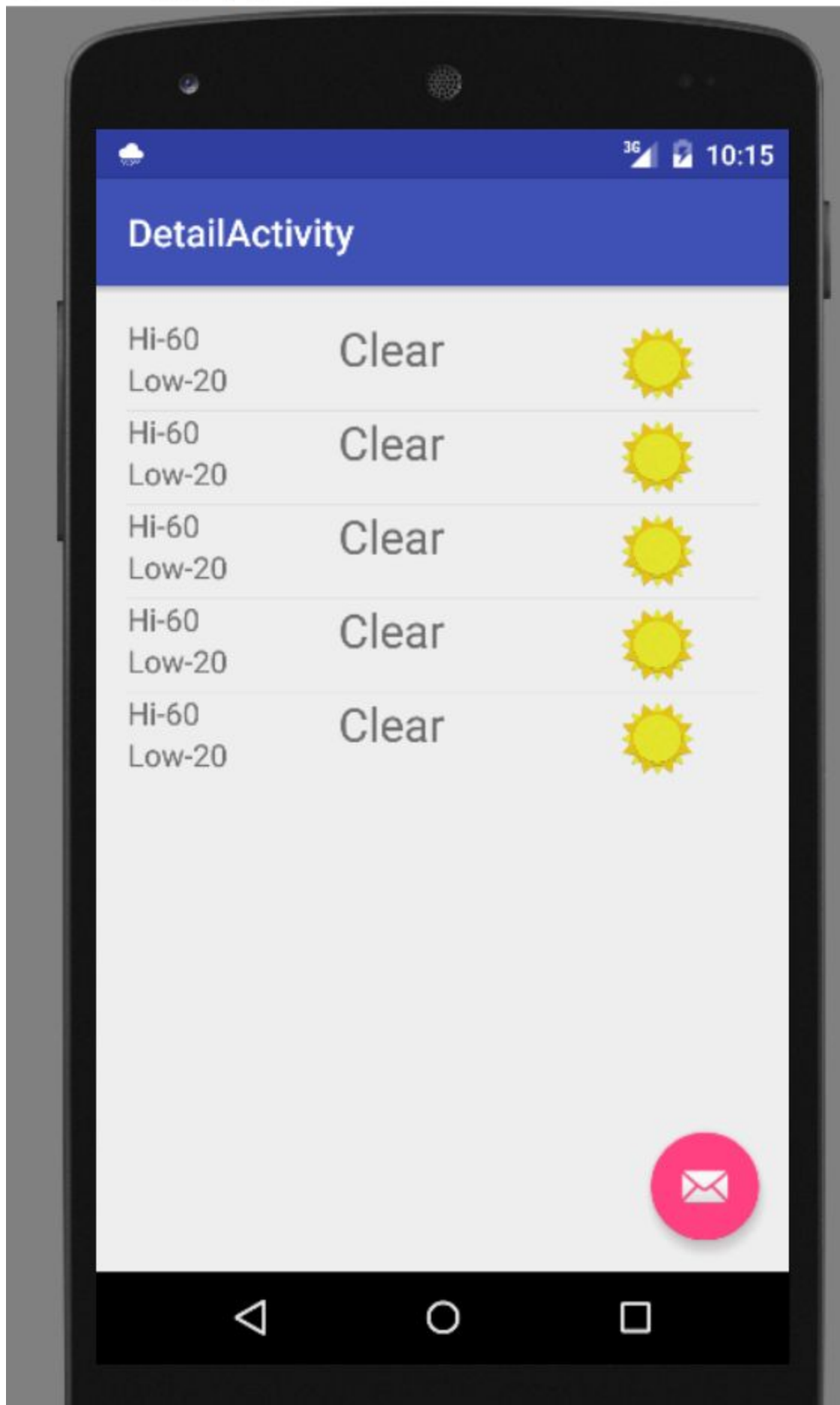The main screen allows to pick locations

Screen 2:
Upon selection of origin and destination is screen 1, the weather information for different locations(every 1/10th of distance)along the transit path, is displayed as markers.
Marker's click events will display the detailed weather info of that particular location.
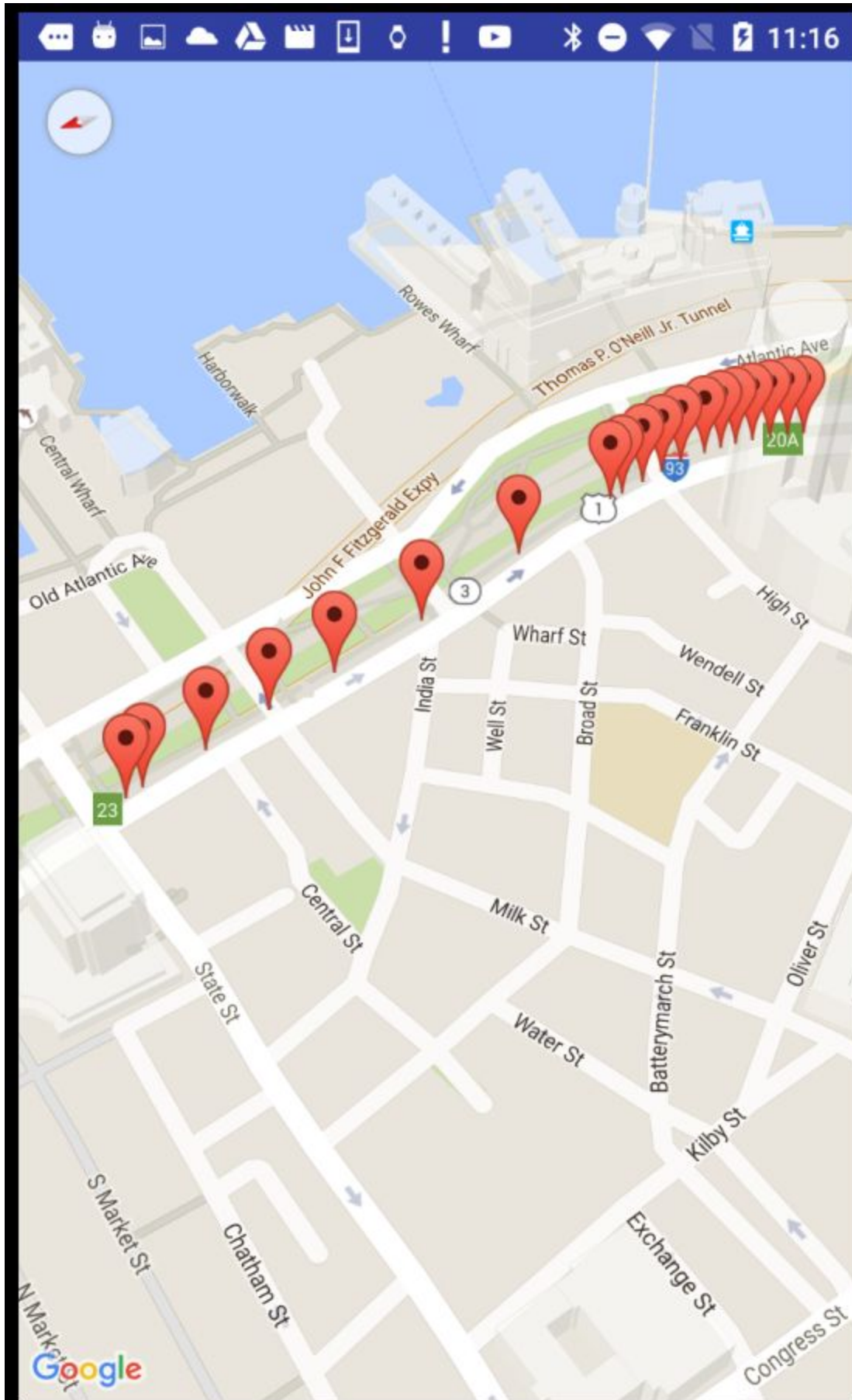
Screen 3:
The above Screen displays the detailed weather of a particular location. The click events on this marker displays screen 3.

5554:Nexus_5_API_22_x86   —   □   ✕

DetailActivity

Hi-60 Low-20	Clear	☀
Hi-60 Low-20	Clear	☀
Hi-60 Low-20	Clear	☀
Hi-60 Low-20	Clear	☀
Hi-60 Low-20	Clear	☀

Key Considerations

How will your app handle data persistence?

Content provider is used to store weather information for different locations along path, typically 10 locations(or 2 mi, whichever is least).
This data will be truncated periodically.

Describe any corner cases in the UX.

For example, how does the user return to a Now Playing screen in a media player if they hit the back button?

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

Will use http://openweathermap.org for weather of particular location expressed as tuple of Latitude and Longtitude.

Next Steps: Required Tasks

Task 1: Project Setup

Write out the steps you will take to setup and/or configure this project. See previous implementation guides for an example.

You may want to list the subtasks. For example:
- Configure libraries -google play services, google maps utils library, support library, design library etc.
- Configure API keys for google maps, and OpenWeathermap.org
- Code content providers
- Implement acitivities/fragments to make Async requests to Google Maps API ,, for user entered Origin , Destinations.
- Capture Json reponses, parse the same, and extract the desired results, in the form of a list of Latitudes/Longtiudes of multiple locations within the path of driving directions .
- Launch Asyntasks, to fetch weather data for the location information.
- Load the data into cursor loaders.

- Query the same via content providers to display in Detail Activity.
- Write test cases.

Task 2: Implement UI for Each Activity and Fragment

List the subtasks. For example:

- Build UI for LaunchActivity
- Build UI for MainActivity
- Build UI for DetailActivity.

Task 3:

Describe the next task. For example, "Implement Google Play Services," or "Handle Error Cases," or "Create Build Variant."

The next task.
- Wireup the UI's.
- Check edge cases, like offline mode.

Task 4:

The next task.
- Enhance the look n feel of app with Material Design.
- Build variants

Task 5:

Describe the next task. List the subtasks. For example:
- Create layout
- Something else

Submission Instructions

1. After you've completed all the sections, download this document as a PDF [File → Download as PDF]
2. Create a new GitHub repo for the capstone. Name it "**Capstone Project**"
3. Add this document to your repo. Make sure it's named "**Capstone_Stage1.pdf**"