
Weather App Technical Documentation

PROJECT SUMMARY

Objective

Create a Weather application that shows the current weather and the forecast of the following 5 days from the current date.

Goals

The application should be able to show the current weather and the 5 days forecast utilising the OpenWeatherMap API, the user should be able to visualise these information at app launch and refresh the data whenever needed.

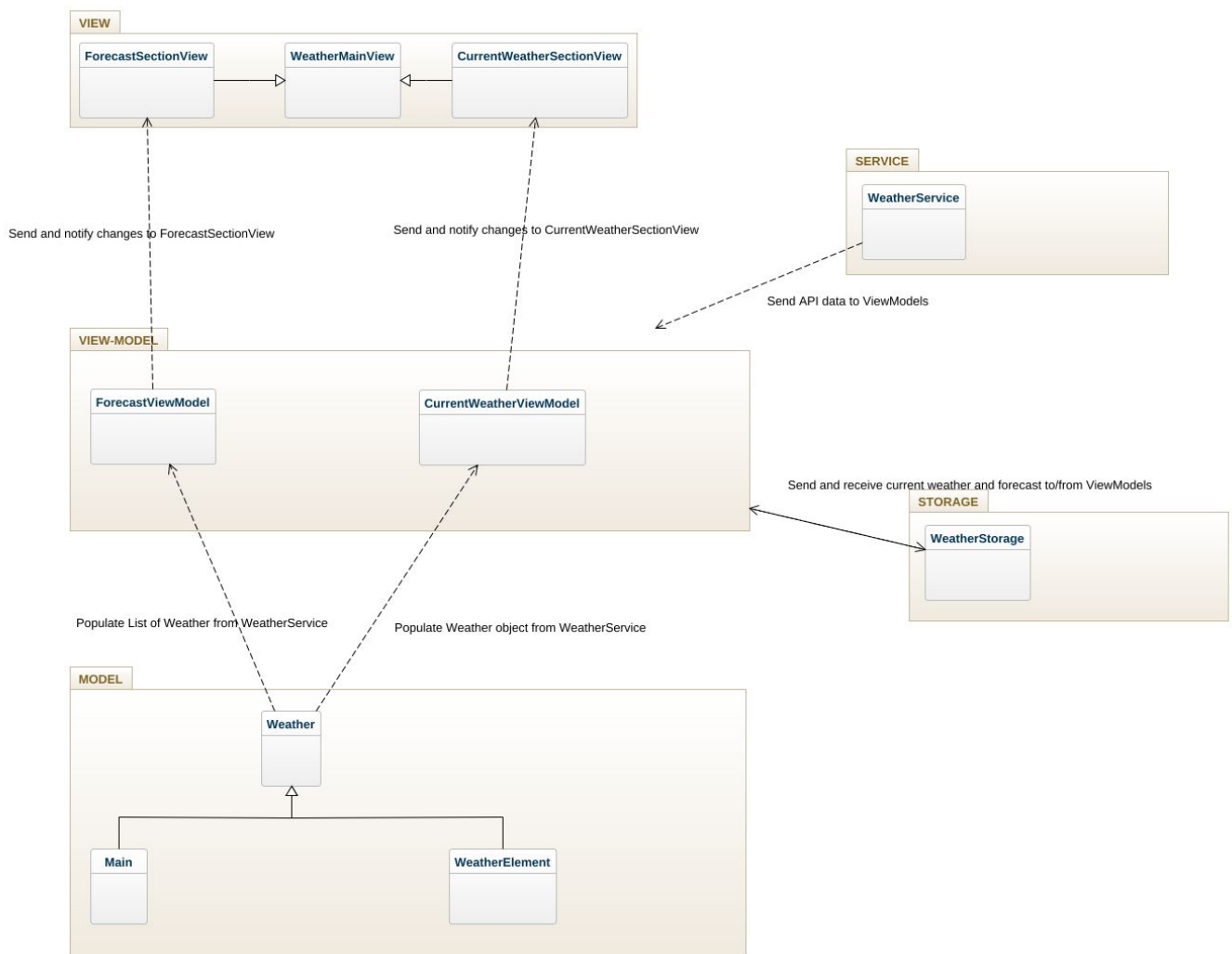
The application should also be able to show the OpenWeatherMap temperature map when the user clicks on the dedicated button.

The project should be developed using the MVVM architecture and should comprehend Unit Tests and Widget Tests for any possible user test case.

PROJECT STRUCTURE

Architecture

The MVVM architecture utilised is presented in the following UML diagram:



The project also includes 3 other elements:

- Helpers: Utility classes for the CurrentWeather and Forecast services and views
- Utils: A set of subfolders and files for utility classes like themes, constants, app context and so on.
- Widgets: Custom widgets created to be utilised inside the views