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OVERVIEW

Introduction

Weather forecasting is the application of science and technology to predict the conditions of the atmosphere for a given location and time. Weather forecasts are made by collecting quantitative data about the current state of the atmosphere at a given place to project how the atmosphere will change. The role of Technology has been remarkable in the field of weather forecasting.

2.Project Aim

To make a real time weather application that takes user's exact location and provides weather forecast for the day and upcoming days also. We also tried to design a simple but visual UI that provides comprehensive data. Also the application provides suggestions to users based on weather conditions. And lastly, user can search and access data for custom locations (string based).
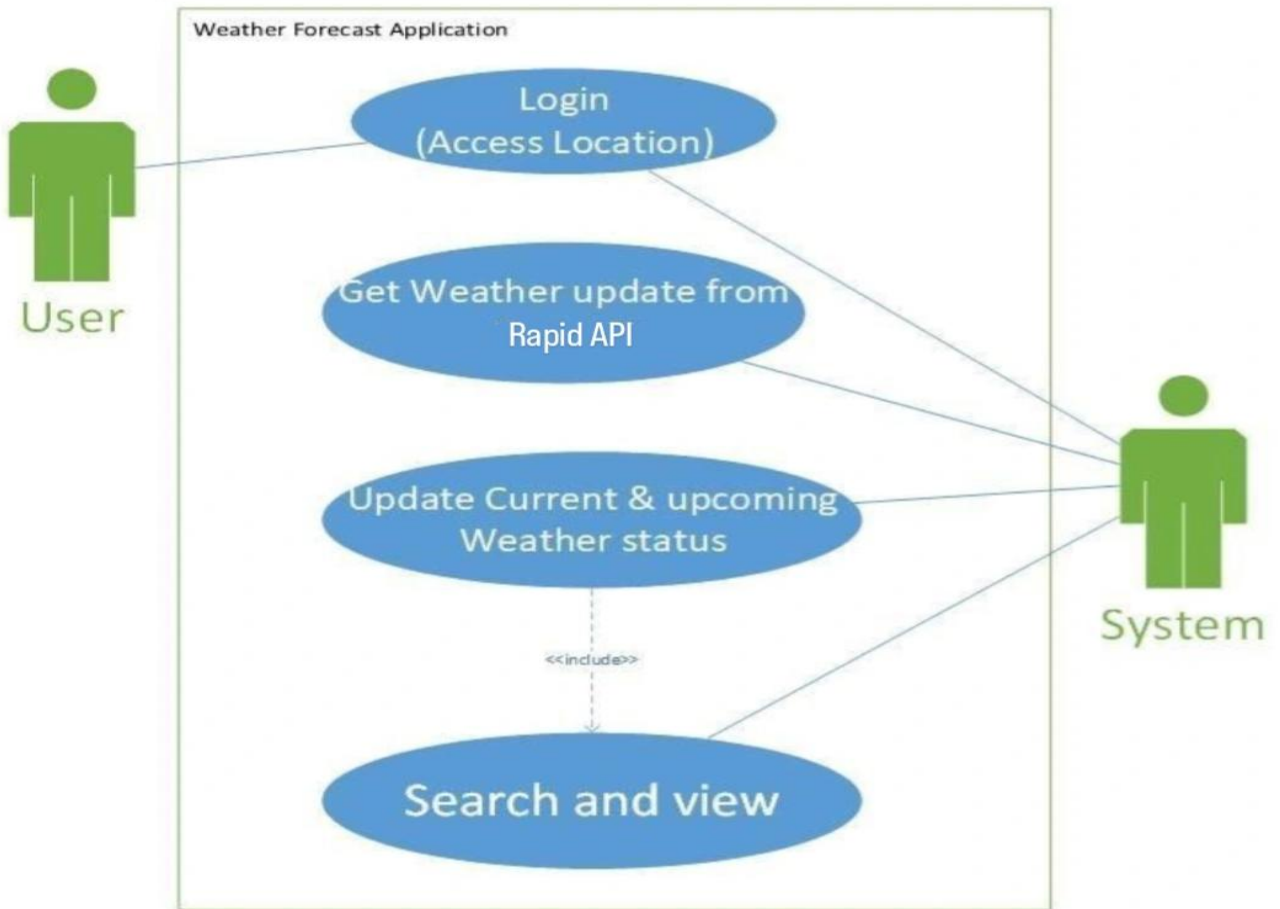
3. Project Specification

a. Real time weather forecasting.
b. Takes user's geolocation as input to provide weather forecast
c. App will predict weather changes with a per minute accuracy based on the user current location.
d. Can also take custom location as input to provide weather details for that location (Google Manual Search API).
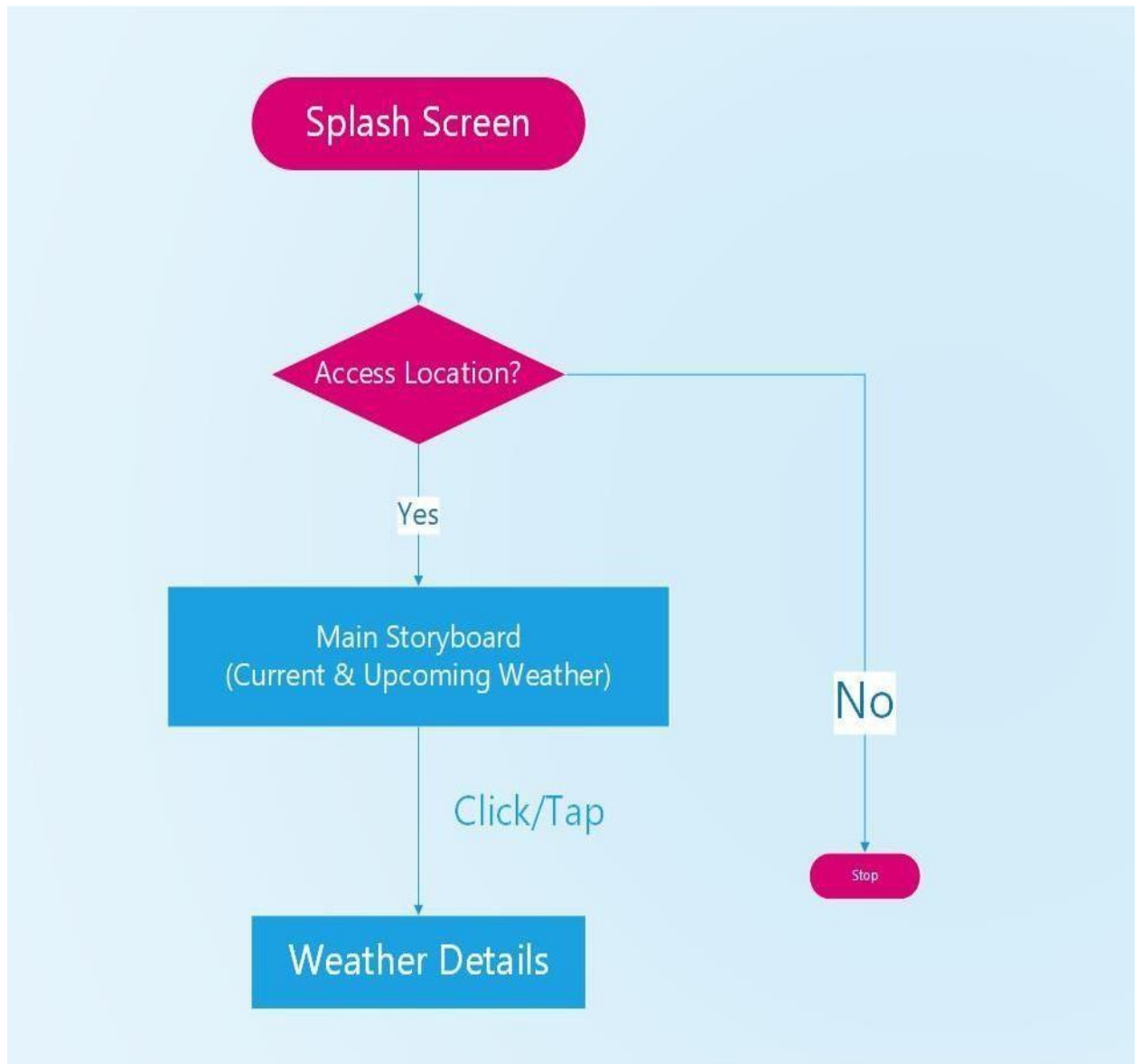e. RapidAPI is used to fetch data.

5. Deliverables

a. A properly working and executable. File that will run in any device.
b. A documentation that will provide details about the requirements, specifications and other information.

6.UseCase Diagram

8.UI diagram

Splash Screen → Access Location? → Yes → Main Storyboard (Current & Upcoming Weather) → Click/Tap → Weather Details; No → Stop

9.Application Screenshots