CSE4002 : MOBILE APPLICATION DEVELOPMENT

MY WEATHER APP

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AGENDA

- Modules
- Design of the App
- Development
- Project Progress
- What Next ?

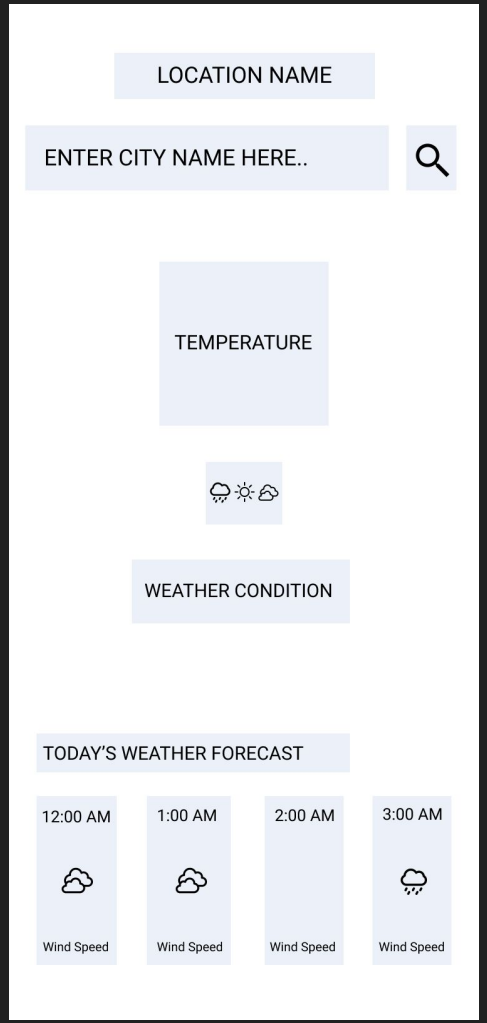
MODULES

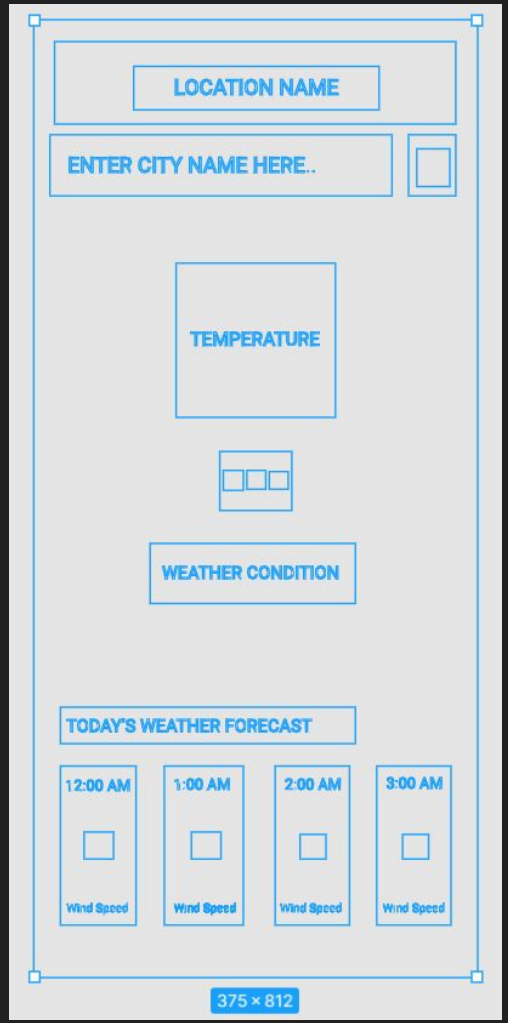
- USER - Smartphone, Internet Connection, Installed App
- MOBILE - Android version, Hardware requirements, Installed App
- APP - User Service, Touch Feature, Request Information, Verify Location
- API - Request Location, Search Location, Verify Location, Weather Data

DESIGN OF THE APP

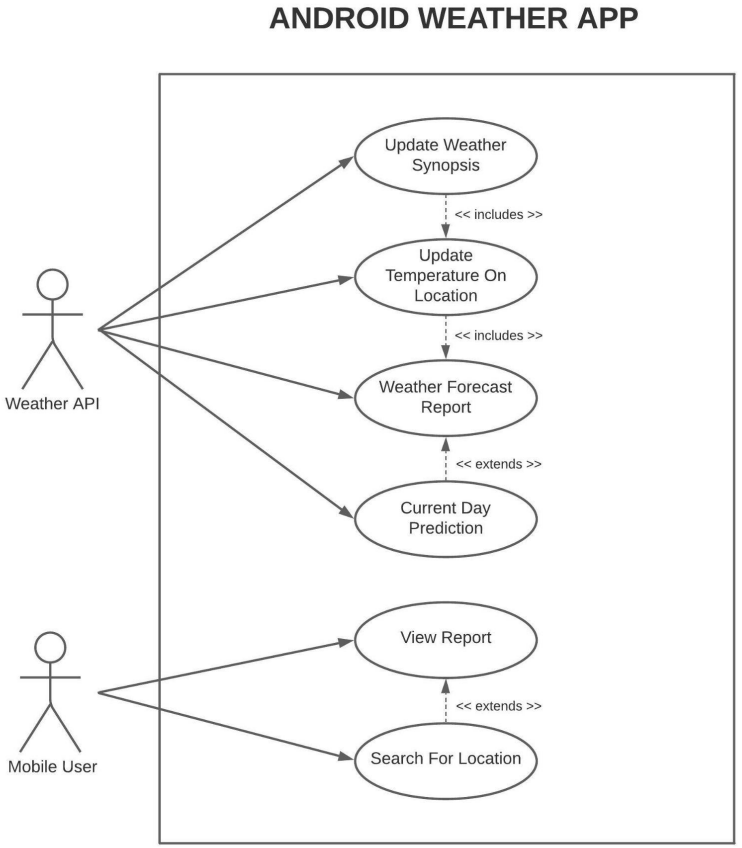
- Application Layout / Design
- Use Case Diagram
- Class Diagram
- Activity Diagram
- Sequence Diagram
- Data Flow Diagram

APP DESIGN


LOCATION NAME
ENTER CITY NAME HERE..
TEMPERATURE
WEATHER CONDITION
TODAY'S WEATHER FORECAST
12:00 AM
1:00 AM
2:00 AM
3:00 AM
Wind Speed
Wind Speed
Wind Speed
Wind Speed

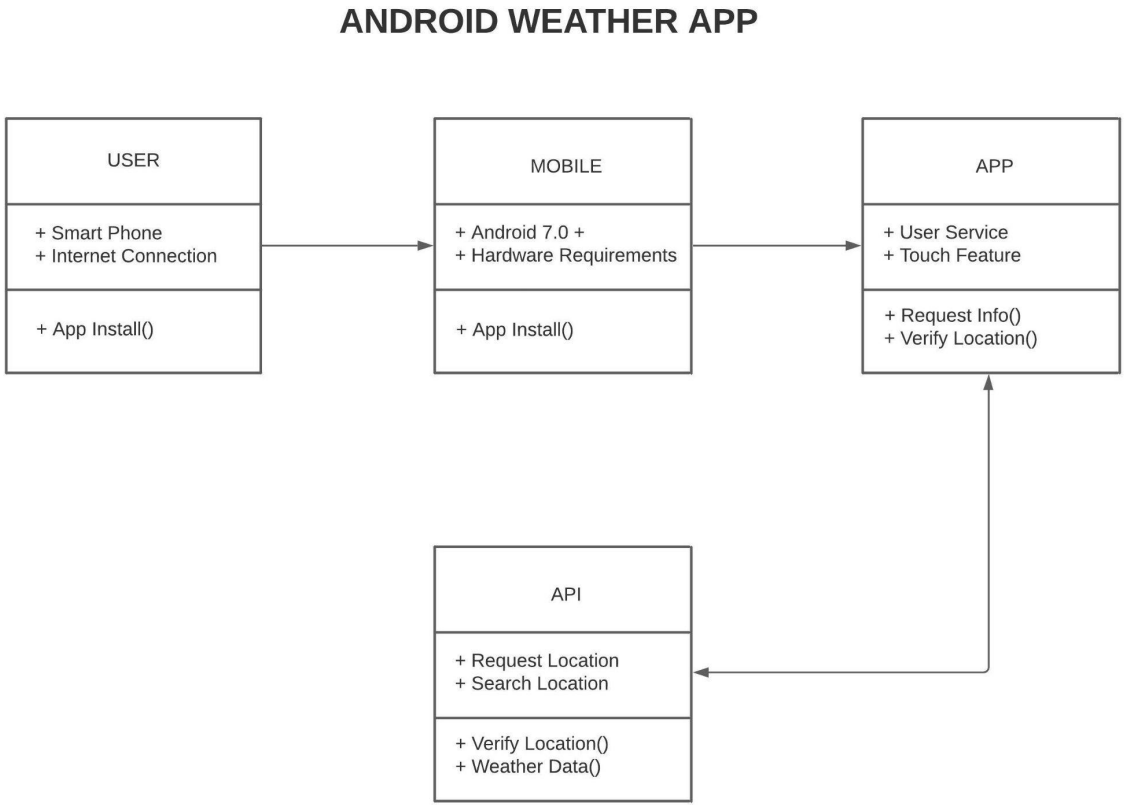

LOCATION NAME
ENTER CITY NAME HERE..
TEMPERATURE
WEATHER CONDITION
TODAY'S WEATHER FORECAST
12:00 AM
1:00 AM
2:00 AM
3:00 AM
Wind Speed
Wind Speed
Wind Speed
Wind Speed
375 × 812

USE CASE DIAGRAM

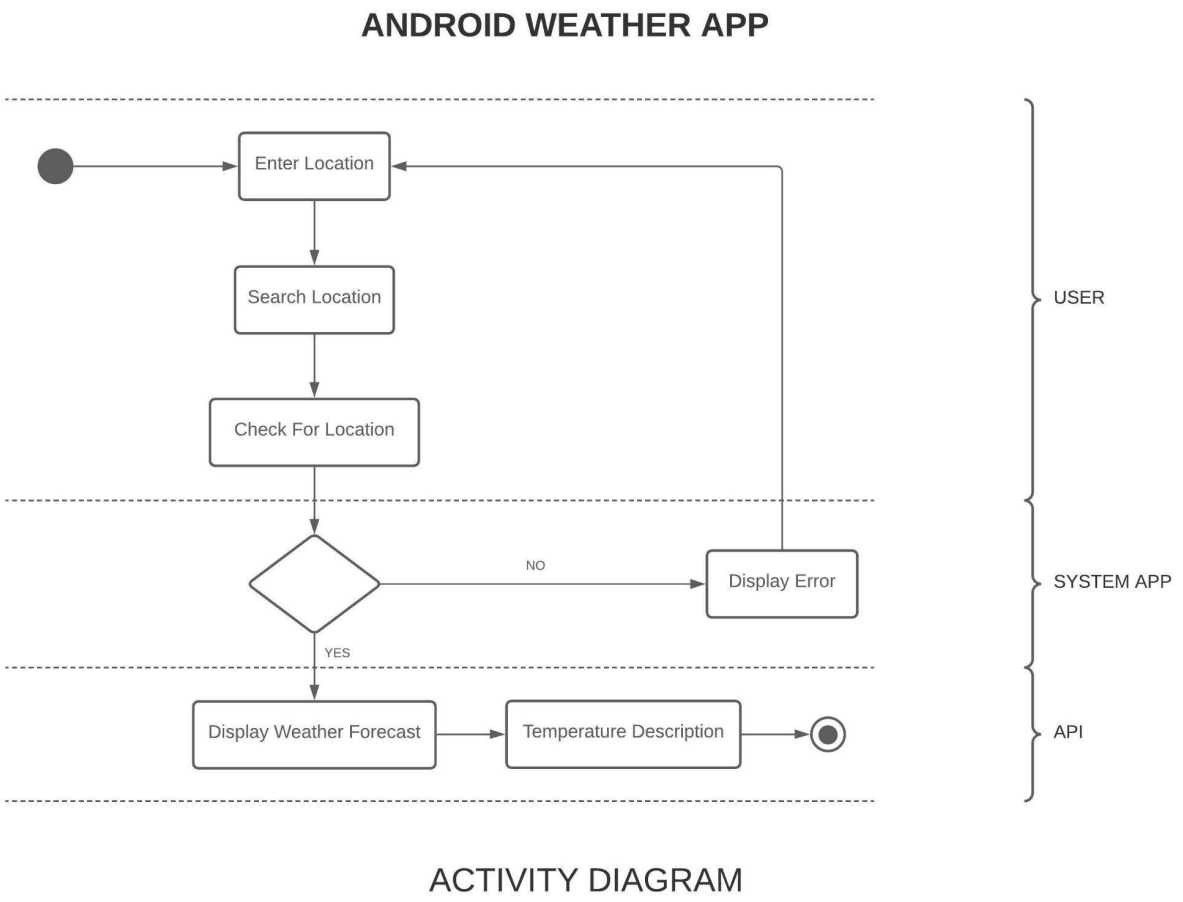


USE CASE DIAGRAM

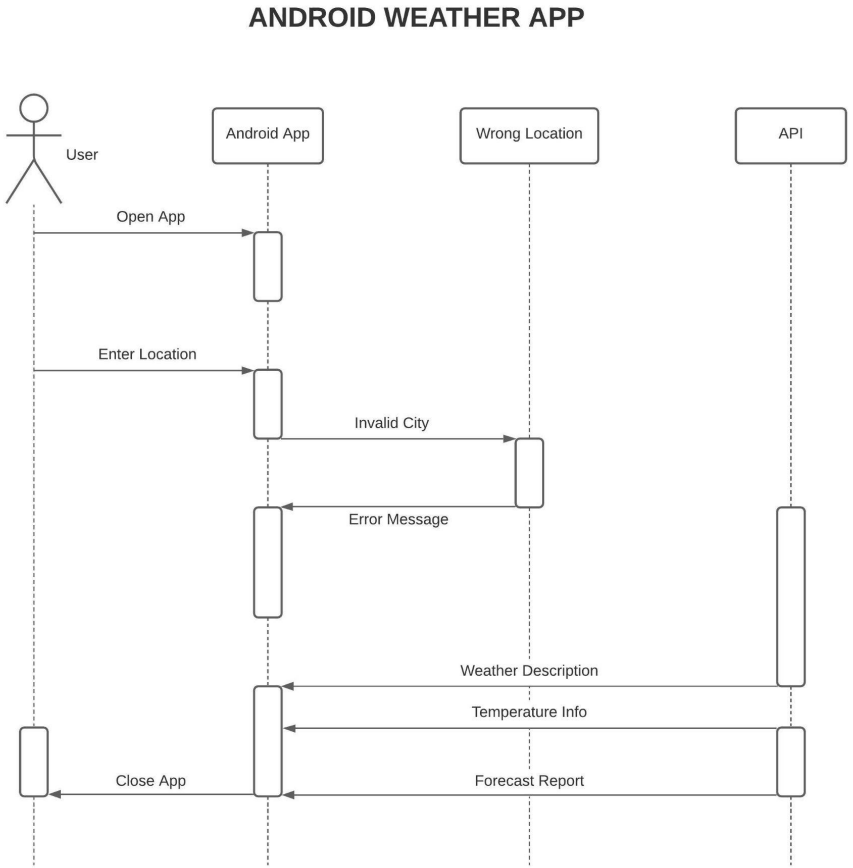
CLASS DIAGRAM



ACTIVITY DIAGRAM

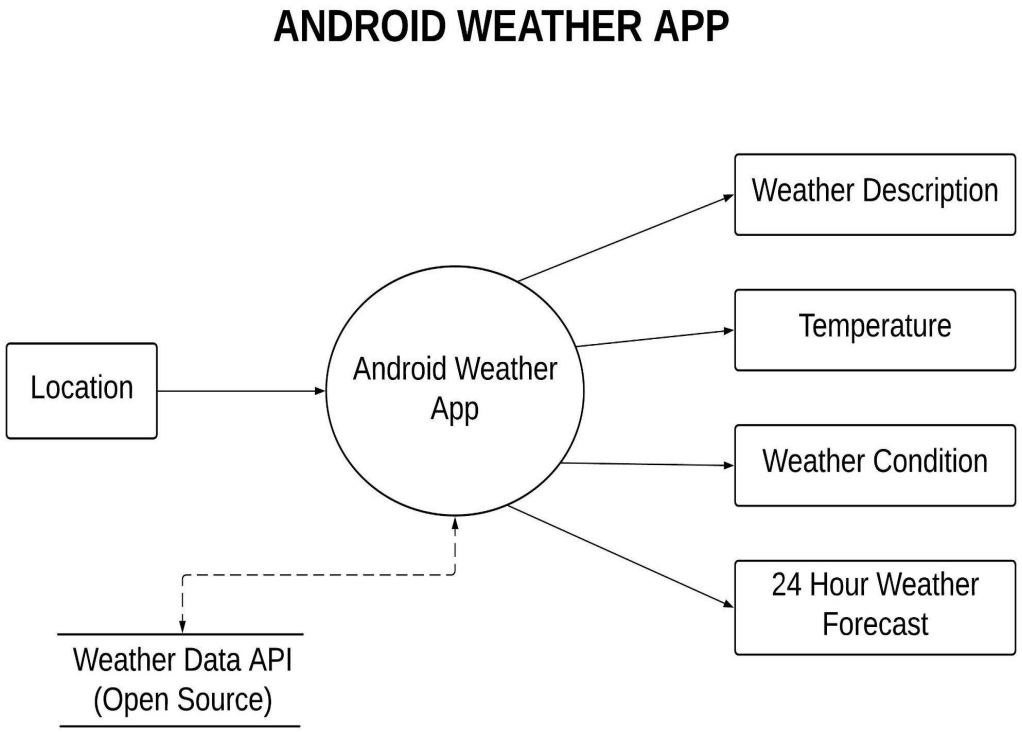


SEQUENCE DIAGRAM



SEQUENCE DIAGRAM

DATA FLOW DIAGRAM



Data Flow Diagram

WRITING CODE

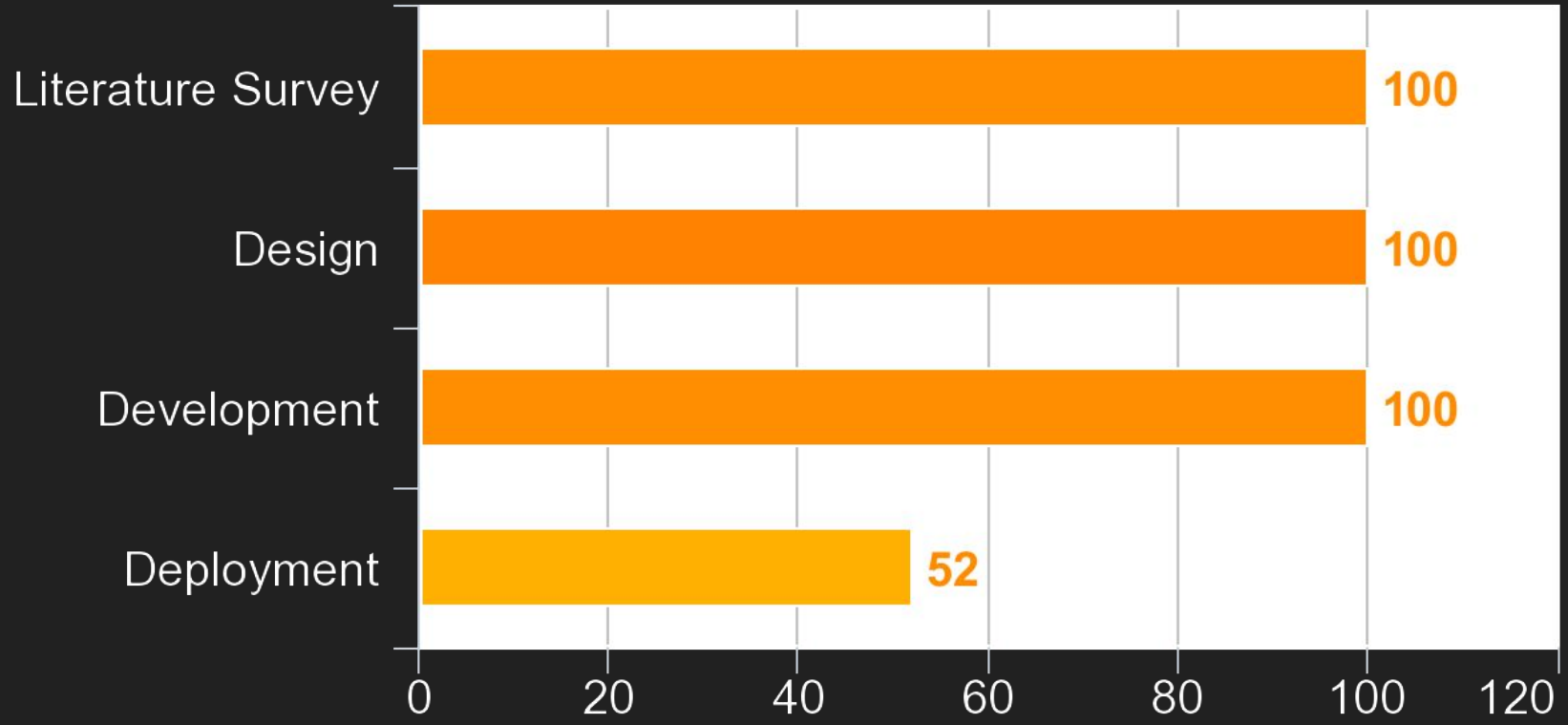
- Convert the system design prototyped in the Design Phase into a working information system that addresses all documented system requirements.

- Since we are outlined to use **INCREMENTAL MODEL** of Software Engineering, Testing and Development of the module is done in parallel.

- Coding of the Project is likewise completed and we are working on testing of the software. Beginning with UNIT TESTING method.

PROJECT DEMO

PROJECT PROGRESS



NEXT STEPS...

The goal of weather prediction is to provide information people and organizations can use to reduce weather-related losses and enhance societal benefits, including protection of life and property, public health and safety, and support of economic prosperity and quality of life.

THANK YOU