**Capstone Project**

**GitHub Username**: MohamedAssemAli

Map-Weather-App

# Description

Do you ever wonder what is the weather in somewhere you want to visit or know about it more? Or do you wonder what’s the weather in your foreign friends now? Okay, the answer is here in this app. Map-Weather app let you surf the world and know what’s the weather in each place in the world. It’s easy, you just have to open it, view google maps, then drop any marker on the map. After that go to bookmarks page to see your marks with weather details about all of them.

# Intended User

This app for travelers specially and for all the people who has friends abroad.

# Features

List the main features of your app. For example:

* Saves information
* Takes pictures
* Other features

# User Interface Mocks

These can be created by hand (take a photo of your drawings and insert them in this flow), or using a program like Google Drawings, [www.ninjamock.com](http://www.ninjamock.com), Paper by 53, Photoshop or Balsamiq.

## Screen 1



Replace the above image with your own mock [ click on the above image, then navigate to Insert → Image… ]

Provide descriptive text for each screen

## Screen 2



Replace the above image with your own mock [ click on the above image, then navigate to Insert → Image… ]

Provide descriptive text for each screen

Add as many screens as you need to portray your app’s UI flow.

# Key Considerations

### How will your app handle data persistence?

This app will use firebase real-time for data persistence.

### Describe any edge or corner cases in the UX.

I use tab layout for easy navigation between maps and bookmarks page which make things faster and easier.

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

Glide to handle the loading and caching of images.

Retrofit to handle API calls.

Calligraphy to handle text fonts in the whole app.

Gson to handle json serialization.

ButterKnife to handle views binding.

### Describe how you will implement Google Play Services or other external services.

Google maps – this will be used to provide map view for the user

Firebase Auth - This will be used to login user and provide necessary authentication.  
Firebase Real time Database- Real time database will be used to store the scores of the user.

# Next Steps: Required Tasks

This is the section where you can take the main features of your app (declared above) and break them down into tangible technical tasks that you can complete one at a time until you have a finished app.

## 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
* Something else

If it helps, imagine you are describing these tasks to a friend who wants to follow along and build this app with you.

## Task 2: Implement UI for Each Activity and Fragment

List the subtasks. For example:

* Build UI for MainActivity
* Build UI for something else

## Task 3: Your Next Task

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

Describe the next task. List the subtasks. For example:

* Create layout
* Something else

## Task 4: Your Next Task

Describe the next task. List the subtasks. For example:

* Create layout
* Something else

## Task 5: Your Next Task

Describe the next task. List the subtasks. For example:

* Create layout
* Something else