6COSC021W – Coursework2 Guidance on using the starter template provided.

It is compulsory to use this template to complete your coursework.

There are 4 groups – Utilities, Models, ViewModels and Views.

The Utilities group:

This contains 2 helper files that you can use to deal with dates and wind direction.

The Models group has:

WeatherDataModel that must be used to map weather data retrieved from openweather api call. You should make sure that you understand the api json response and how to use this to create your weather views.

PlacesDataModel that must be used to map json data loaded from file.

Places.json contains some common tourist places for London, Rome, and Paris.

The ViewModels group has:

one class file WeatherMapViewModel that is responsible for:
- Converting a user entered location into coordinates with a map region –
  `func getCoordinates() async throws {………}`

- Fetching weather data from openweather through use of openweather api call –
  `func loadData(lat: Double, lon: double) aysnc throws –
  WeatherDataModel {………}`

- Loading tourist locations from file – `func
  loadLocationFromJSONFile(cityName: String) - >
  [Location]? {………}`

  `This function returns all locations rather than those
  that are relevant. You are advised to modify this code.`

  **`NB: You will be expected to know how the code
  given works and to answer questions on it during
  the viva.`**

The Views group has:
This group has all the views necessary for the app, however, most of them are incomplete either from missing backgrounds or content or both.

Study the coursework spec and see what elements are needed for each view in addition to updating the views when the user enters a new location.