

# Project

**Due:** December 12, 2021

**Team size:** 4 (exception may be given if you select to work on Capstone Project)

Team composition should be submitted by Sunday, November 15, 2021 by email or in the lab.

## Specification

The company requests that your team designs and implements a weather application for them. The company only has the general idea of the weather application, and they are open to accept new features in the app. The Company starts by giving a general layout of the app as shown in Figure 1. The product team refines the layout and adds some new features as shown in Figure 2. Then the product team listed the draft requirements (below) and wants your team to finish it up and present the final implementation. Adapt the designs to the data you receive from the API.

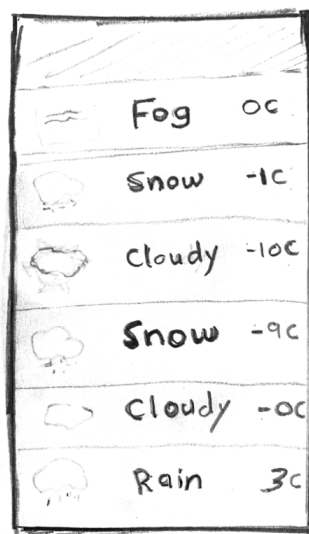


Figure 1

A refined digital design of a weather app interface showing a 7-day forecast. The design is a clean, modern table with a white background and blue borders. Each row represents a day of the week, starting with a small weather icon, followed by the day name, the weather condition, and the temperature in Celsius. The data is as follows:

Monday	Snow	0 C
Tuesday	Sunny	5 C
Wednesday	Cloudy	0 C
Thursday	Snow	-3 C
Friday	Cloudy	0 C
Saturday	Rain	2 C
Sunday	Sunny	5 C

Figure 2

## Marking scheme:

1. Once the user opens the application the weather forecasting is displayed based on the user location (20%)
2. API implementation call (20%)
3. API response parsing (20%)
4. UI design (20%)
5. You should write a clean code and follow/use the proper naming convention, functions, classes and structs. (20%)

## Note:

Use <https://openweathermap.org/api/one-call-api> to get the weather forecasting for free.