

# Centennial College

## CENTENNIAL COLLEGE PROGRESS CAMPUS COURSE COMP125 Summer 2021

### Assignment 6

Based on what you have learned from the chapter 10 and 11, implement a web app using Geolocation and Ajax with JavaScript.

#### Features:

Your page should be able to consume the following data from the OpenWeather API and Google Maps API to display on the page.

Your page should show:

1. The current weather of a city based on its name (**2 marks**) typed by the user (**1 mark**):
  - Use input type=text to get the name of the city.
  - API Doc – By city name: <https://openweathermap.org/current#name>
2. The current weather of a place based on the user's geographic coordinates (**2 marks**):
  - Use navigator.geolocation to get the user's geolocation (**1 mark**).
  - API Doc – By geographic coordinates: <https://openweathermap.org/current#geo>
3. The current user's geolocation on a Google Maps (**1 mark**) with a Marker (**1 mark**).
  - Use navigator.geolocation to get the user's geolocation (**1 mark**).
  - API Doc: <https://developers.google.com/maps/documentation/javascript/overview>

Use good web design practices to enhance visually your html page (**1 mark**).

#### Note:

- You are free to use **jQuery** anywhere if you **like**.
- You need to sign up to **OpenWeather** to get a free API key.
  - o Refer to <https://openweathermap.org/>
- You need to have a Google Account to get a Google Maps API Key.
  - o Refer to <https://developers.google.com/maps/documentation/javascript/get-api-key>
- Refer to the Chapter 10 Solutions package to see how to implement Google Maps in a development mode, without a API Key.

#### Submission:

1. This assignment is **due to August 15, 2021, at 11:59 pm**.
2. Late submission: **August 20, 2021, at 11:59 pm, marked out of 80%**.
3. Submit your assignment to Assignment 6 drop box.
4. **ALSO PUBLISH IT** to the student web.