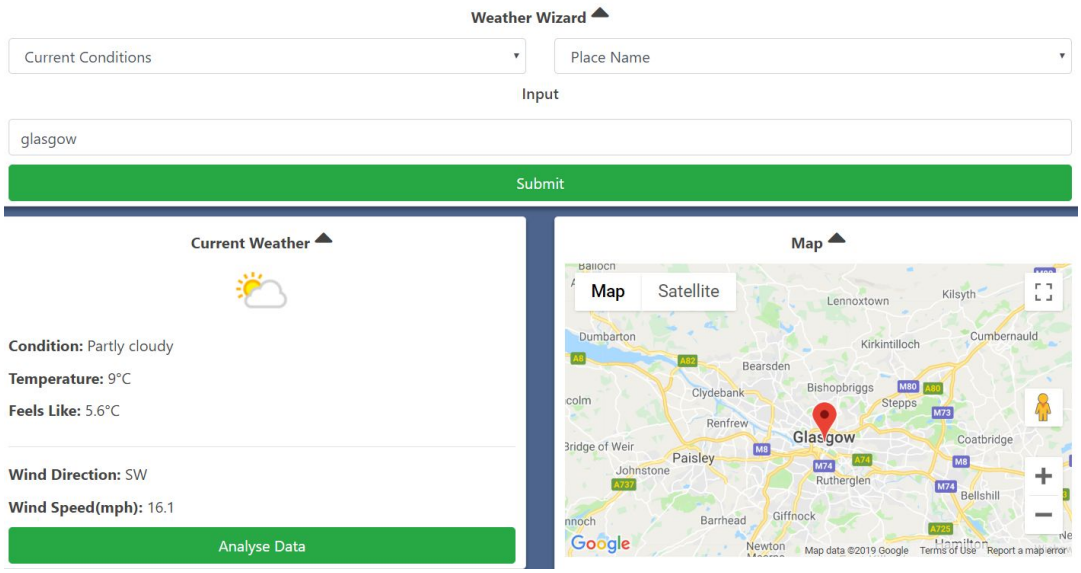
Google Maps

The Google Maps API allows developers to use their own data set to plot various point on a map relating to the data collected from the API used. This chart gives the user multiple options for API depending on the view the developer would like to implement. This API comes in javascript and supports multiple web browsers.

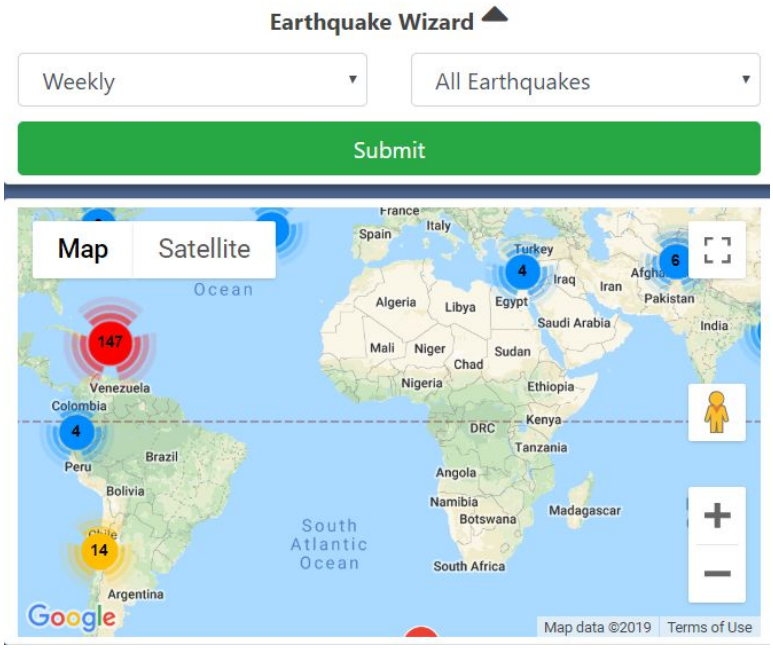
The different maps that the Google Maps Platform allows for are:

- Maps
    - Street view
    - Static view
    - Satellite view
- Routes
    - Directions
    - Distance
    - Roads
- Places
    - Geocoding
    - Geolocation
    - Time Zones

We decided to use this API on 2 different occasions within the tmpst application, the first time we used this visualization was in the weather branch of the website. When you view the current condition, it asks the user to enter a place name and that place name is then pinpointed on a google map and displayed.



The second instance that we used google maps was the earthquake section of the website. In this page, we ask the user to enter the time period they would like to look at and the scale of the earthquake, these results are shown on a map and clustered together depending on how close in the location they are



As you can see in the image above it has clustered, 147 locations of earthquakes north of South America.

The Google Maps Platform website as many different examples and documentation. Their website will be a better tutorial than we will ever be able to provide - https://developers.google.com/maps/documentation/