13.1.2   Project Overview

In your first team meeting, Basil assigns Sadhana as your mentor on this project, since she has created a similar map for severe weather. When you get back to your desk, you and Sadhana will go over the basic project plan and what you'll need to do.

You're all set up in your office space and have cloned the GitHub repository onto your computer. Now it's time to review the plan for your project.

Basic Project Plan

Purpose

The purpose of this project is to visually show the differences between the magnitudes of earthquakes all over the world for the last seven days.

Tasks

To complete this project, use a URL for GeoJSON earthquake data from the USGS website and retrieve geographical coordinates and the magnitudes of earthquakes for the last seven days. Then add the data to a map.

Approach

Your approach will be to use the JavaScript and the D3.js library to retrieve the coordinates and magnitudes of the earthquakes from the GeoJSON

data. You'll use the Leaflet library to plot the data on a Mapbox map through an API request and create interactivity for the earthquake data.

Now that you have an overview of the project plan, let's set up a Mapbox account and get the API token you'll need to create geographical maps.