We used Beautiful Soup for our ScrapeWebsite.py. We scrape from worldometer, and give the option to select multiple countries. We check if the website wanted is worldometer, if not if returns early. From worldometer, we scrape the dates, daily deaths, and total deaths of each country specified.

Our JSON is a nested dictionary. Here is a shortened version:

d= { 'country a' : {'date': {1: date1},'death': {1: death1}}}

{'country a' : … } is the outer dictionary, and {'date' : {}, 'death' : {} } is the value associated with a particular country, in that value, there is a dictionary with 3 keys: dates, daily deaths, and total deaths. The values to those keys is a dictionary where the key is the index number, and the value is a date, or a death amount. In total, there's three levels of dictionaries, so it gets a bit confusing at times.