**A description of what has been implemented:**

requests

bs4

beautifulsoup

pandas

numpy

re

tkinter

tkinter.scrolledtext

webbrowser

**Your group name and section:**

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**Main Idea:**

We built up an interface to provide travelling suggestions for tours in New York City, based on their preference of the travelling date and tourist sites. After choosing their own destination categories (Museum, Amusement, Galleries, Shopping Center and Tourist Attraction) and their check-in/check-out date, there will be an interface providing them with the tour sites, hotels choices, restaurants and a map showing all these locations.

**Data Extraction:**

**Hotel (from TripAdvisor):** We web-scrapped the information about the hotels (location, ratings, from Trip Advisor. For the room type, we assume a standard room.

**5 Categories sites and restaurants (From yelp):** We use API to grab the information about the Museum, Amusement, Galleries, Shopping Center and Tourist Attraction from yelp. We grab the name, location, phone number, latitude and longitude. After getting these informations, we put them in a csv file, which is the database for our interface searching latter.

**Interface Creation:**