Memorandum

DATE: 03/10/2019

TO: Professor Samuel B Johnson

FROM: Mia Price; Yufei Wu

SUBJECT:

Description:

In our project, we intend to combine some databases in New York from the angle of tourists. The core attribute of all the databases is their location both geographic coordinate system (longitude and latitude) and neighborhoods. Based on it, when people arrive at a certain landmark, they can get the surroundings including the nearest subway entrance, some good restaurants nearby and free public wifi they can access to. Also, according to the distance of landmarks, people can find their next goal. So, it is like a map that focuses on the landmarks which can bring convenience to the visitors.

In addition, we may want to look at supplementing the Restaurant Inspection databases with a scrape-collected database from the Yelp API in order to obtain restaurant rating data.

The databases for intended use are listed below. All of these databases are obtained from NYC OpenData. By using this data, all users agree to the Terms of Use of NYC.gov and any additional from the agencies, bureaus, and offices providing the data. In addition, users agree to the Privacy Policy for NYC.gov. If the Yelp API is used for our project, we will be subjected to their Terms of Use as well. Under their term of use, Section 5 part a, we agree not to scrape their data for anything involving commercial use. As we are not planning on putting this out commercially, we should be fine.

Intended Databases:

Subway entrance Data:
>Link: **https://data.cityofnewyork.us/Transportation/Subway-Entrances/drex-xx56**
>Description: It provides the location, name and its line of New York subway entrance

Public Wifi Location Data:
>Link: **https://data.cityofnewyork.us/Social-Services/NYC-Wi-Fi-Hotspot-Locations/a9we-mtpn**
>Description: It provides the location, name, provider and the type(free or not) of wifi in New York

Restaurant Inspection:
>Link::
>**https://data.cityofnewyork.us/Health/DOHMH-New-York-City-Restaurant-Inspection-Results/43nn-pn8j/data**
>Description: It provides name, location, cuisine, phone numbers of restaurants in New York
>Note: We can use the API from Yelp to get attributes (such as rating, price) as a supplement of this database

Landmarks and Historic Building stuff:
>Link: **https://data.cityofnewyork.us/Housing-Development/Individual-Landmark-Sites/ts56-fkf5**
>Description: It provides the location, name, type, designated date of landmarks in New York.

Resources:
NYC Terms of Use: https://www1.nyc.gov/home/terms-of-use.page
NYC Privacy Policy: https://www1.nyc.gov/home/privacy-policy.page
Yelp API Terms of Use: https://www.yelp.com/developers/api_terms