

## SI507 Final Project Proposal, Winter2021, Po-Tsun Kuo, uniqueness:ptkuo

### High Level Description

This is a program that allows users to search for specific type of food (e.g., pizza, noodles, etc) in a selected city from Yelp [**Yelp Fusion API**]. The search results would be represented/stored in the CSV/JSON file and some plot forms, such as bar chart, or scatter chart via plotly or matplotlib. The CSV/JSON file would have different information about the restaurant, such as average rating, location, phone number, and etc. The plot forms would be demonstrated based on the different standard, such as average rating, total review counts or so. After that, users can decide to do the following things:

- see the related videos on the YouTube [**YouTube API**].
- have the restaurants marked on the static google map [**Google Maps Static API**].
- choose the most interested restaurant and show it on the interactive google map [**Google Maps URLs API**].

### The Data Sources for Usage

	Data source API	Authorization	Challenge Score
1	Yelp Fusion ( <a href="http://shorturl.at/dfvKL">http://shorturl.at/dfvKL</a> )	API key	4
2	YouTube API ( <a href="http://shorturl.at/uyV17">http://shorturl.at/uyV17</a> )	API key	4
3.1	Google Maps Static API ( <a href="http://shorturl.at/mvMP0">http://shorturl.at/mvMP0</a> )	API key	4
3.2	Google Maps URLs ( <a href="http://shorturl.at/fhFJ1">http://shorturl.at/fhFJ1</a> )	API key	
	Total Challenge Score = 12		

### Evidence of Successful Data Source Access

	Evidence (screenshots of successful access, and shared the link)
1	<a href="https://drive.google.com/file/d/1K87kdE8BgrEt1hU-L_KJgKrxsw_GMTAD/view?usp=sharing">https://drive.google.com/file/d/1K87kdE8BgrEt1hU-L_KJgKrxsw_GMTAD/view?usp=sharing</a>
2	<a href="https://drive.google.com/file/d/1HMXpksZHuxI0ckeQgvP_ZOEhFSn48goA/view?usp=sharing">https://drive.google.com/file/d/1HMXpksZHuxI0ckeQgvP_ZOEhFSn48goA/view?usp=sharing</a>
3.1	<a href="https://drive.google.com/file/d/1kajL-jj1BBdwUjdWfsdxUsD_cjpINiqF/view?usp=sharing">https://drive.google.com/file/d/1kajL-jj1BBdwUjdWfsdxUsD_cjpINiqF/view?usp=sharing</a>
3.2	<a href="https://drive.google.com/file/d/1kajL-jj1BBdwUjdWfsdxUsD_cjpINiqF/view?usp=sharing">https://drive.google.com/file/d/1kajL-jj1BBdwUjdWfsdxUsD_cjpINiqF/view?usp=sharing</a>