

For my final project, I am planning to develop a program that provides a user with average ratings of restaurants from two different sources: Google and Yelp. To do so, I will connect to both Google Places and Yelp Fusion API's to extract ratings of restaurants based on a specific city, state, and restaurant type indicated by the user. After doing so, my program will organize the data in an SQL database, creating two different tables for data acquired from Google and Yelp. The two tables will be bridged together based on the city, state and name of the restaurant, which will allow me to analyze data points from both of those sources together. Here are the data sources I plan to use:

- <https://www.yelp.com/fusion>
- <https://developers.google.com/places/>

Here are the anticipated point allocations of my project

- Web API you haven't used before that requires API key or HTTP Basic authorization ⇄ (Yelp Fusion)
  - **4 points**
- Web API you've used before (Google Places)
  - **2 points**
- Total score: **6**

Here's an example of what my program would do. A user would enter a city and state name in addition to two types of restaurants in those city (Indian and Mexican for example). My program would then calculate the average ratings of overall Indian restaurants and average ratings of overall Mexican restaurants within a 40000 meter radius. Then, my program would plot those visuals comparing restaurant ratings from both of those from the two sources – Yelp and Google and will display that through graphs using plotly. The data presentation tools are the interactive command prompt that allows the user to choose a type of graph they want to have.

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- <https://www.yelp.com/fusion>
- <https://developers.google.com/places/>
- ~~Data.gov~~

Here are the anticipated point allocations of my project

- Web API you haven't used before that requires API key or HTTP Basic authorization ⇕ (Yelp Fusion)
  - **4 points**
- Web API you've used before (Google Places)
  - **2 points**
- ~~— CSV or JSON file you haven't used before with > 1000 records~~
  - ~~○ **2 points**~~
- ~~— Total score: 8~~

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