

SI507 Final Project Proposal

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Data description:

1. List of United States cities by population, from Wikipedia
 - a. Link: https://en.wikipedia.org/wiki/List_of_United_States_cities_by_population
 - b. “Scraping a new single page” - Challenge Score: 4
 - c. In this list, there is data of 326 cities in the United States in 2020.
 - d. Column names: 2020 rank, city, state, 2020 census, 2010, census, change, 2020 land area, 2020 population density, location.
2. Yelp Fusion
 - a. Link: https://www.yelp.com/developers/documentation/v3/business_search
 - b. “Web API you haven’t used before that requires API key or HTTP Basic authorization” - Challenge Score: 4
 - c. There’s information about 1000 businesses.

Plan to use data:

1. An interactive map based on the number of restaurants in each state (from the dataset).
2. The user can input the name of the city he/she is interested in, and get the basic information of this city.
3. Get the pie chart / bar chart of restaurant categories of the city chosen by the user.
4. Select restaurants(Get a list of restaurants) by ratings.
5. Select restaurants(Get a list of restaurants) by price level.