

SearchManager

- Stores and allows update of search options such as Location, distance and price range.
- Stores constant parameters such as the number of images to return.
- Search and stores a list of Result using YelpAPI based on a search with a Cuisine.
- Gathers additional images for each Result using PlacesAPI
- Compile and order a list of images to return to the front end.

- Result
- Image
- Cuisine
- Location
- YelpAPI
- PlacesAPI

Result

- Store name of restaurant
- Store location of restaurant
- Store cuisine of restaurant
- Store images of restaurant
- Store likes of restaurant

- SearchManager
- Image
- Location
- Cuisine
- PlacesAPI
- YelpAPI

Image

- Stores the image url and the Result it belongs to.

- Result
- YelpAPI
- PlacesAPI
- SearchManager

Location

- Stores latitude and longitude of a Result from YelpAPI

- Result
- YelpAPI
- PlacesAPI

Cuisine

- Represents the 16 different types of cuisines used by the Yelp Fusion API.
 - Stores the 16 cuisine stock images.
- Result
 - SearchManager
 - YelpAPI

YelpAPI

- Stores the client secret and access token for authenticating with Yelp Fusion API
 - Filled with parameters from SearchManager, it creates a query to send to the Yelp Fusion API
 - Parses Yelp Fusion API response and generates a Result for each restaurant and add its photos as a list of Image.
 - Returns list of Result to SearchManager
- YelpFusionApi
 - Image
 - Result
 - Cuisine
 - SearchManager

PlacesAPI

- Given a list of Results, Google Places API retrieves photos from a business around a Result's Location
 - Checks if Google Place result matches a Result's name based on a string comparison algorithm.
 - If so, gathers images from Google Place Photos and adds to Result's list of Image.
- SearchManager
 - Result
 - Location
 - Image
 - NearbySearchRequest
 - PlaceDetailsRequest