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Section 3?

**W200 Project 1 Brainstorm**

**OBJECTS:**

* Activity
  + Attributes
    - Activity name
    - Priority of activity
    - Activity category
    - Yelp Store (class)
  + Methods
    - Initialize activity instance
    - Error check user input for activity
* Activity (to-do) List
  + Attributes
    - List of activities
  + Methods
    - Initialize activity list instance
    - Print current activity list
    - Add activity
    - Remove activity
    - Change priority of activity
    - Compute average (mean) rating
    - Compute average (mean) number of reviews
    - Compute the total distance of stores
* Yelp Store (e.g., restaurant, dry cleaners, grocery store)
  + Attributes
    - Store Name
    - Store Category (= Activity category)
    - Rating
    - Reviews
    - Address
  + Methods
    - Initialize yelp store instance
    - Return attribute dict
* Yelp stores
  + Attributes
    - List of yelp stores in a category
    - Store category
  + Methods
    - Initialize yelp stores list instance
    - Conduct Yelp API call to pull in all stores of a type within location database
    - Remove yelp store from list
    - Search for yelp store based on criteria (i.e., most reviewed, highest ratings, closest distance)
* Map
  + Attributes
    - List of addresses
  + Methods
    - Initialize map instance
    - Return the addresses
    - Compute total distance
    - Send link for the google maps directions (?)

Activity Categories:

* Gym
* Park
* Restaurant
* Bar
* Museums
* Dry cleaning
* Supernatural Readings
* Axe Throwing
* Balloon Services
* Bingo Halls

Open Questions:

* How difficult would it be to return google maps directions?
* Is it better to do an API call to return all stores of category x in a radius, or just do a more specific API call to retrieve each category (in terms of speed of code)?
* Best way to get project feedback (can schedule a 1-on-1)?