Personal Project – Android App

**Key Idea: Use the Google Maps API to keep track of the user’s location then Use the YELP API to suggest things to do according to users’ criteria.**

**Required:**

**Google Maps API**

**Google Speech-to-Text API**

**Yelp API:**

Parameters for YELP API: User Lat and Long, Keyword (Category), No. of businesses – top 5, sort by top rating

**Basic flowchart:**

1. App continuously keeps track of user’s location
2. App asks the user what their interest are at that time
3. App records user input via speech to text
4. App gives suggestions to user according to YELP API with top reviews
5. User returns a preference
6. App fetches location address details
7. App switches to Google Maps and inputs the given address

**Classes:**

1. Networking class
2. Location class
3. Surroundings class
4. Main Activity class
5. Onboarding class