**Yelp Mapper User Manual**

**Start-up**

To run the Yelp Mapper, perform the following steps:

1. Download all necessary files to run the program.

Graphical user interface, text, application, email

Description automatically generated

1. Import the project into your favorite IDE (Eclipse for example).

Text

Description automatically generated

1. Import the project as a Maven project using pom.xml.

Graphical user interface, text

Description automatically generatedGraphical user interface

Description automatically generatedGraphical user interface

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1. Run Recommendations.java

Text

Description automatically generated

1. Input the following arguments as labeled in the GUI
   1. Name (ex: Bob)

Allows identification of user on different program executions. By default, there are 4 existing users: Matt, Nancy, Tina, and Bob. Each of these users already have some stored searches, so feel free to log in as one of them to get detailed friend recommendations and see how they change by user.

* 1. Desired Category (ex: Pizza)

Category to search within. This is a hard definition of the types of places you are interested in getting results for. Valid input categories depend on the country containing the user’s inputted latitude and longitude. For a complete list of valid categories, follow the following link:

<https://www.yelp.com/developers/documentation/v3/all_category_list>

* 1. Desired Price Range (ex: 1)

Details desired pricing of services. Possible inputs are 1 (lowest) to 3 (highest).

* 1. Search Description (ex: yum, pepperoni, delicious, good service)

Desired keywords to show up in the reviews of one’s desired search result. Can include any words or phrases and will be matched against the top three reviews for each potential location to be returned.

* 1. Latitude (ex: 41.8933203)

Latitude of the center of the user’s search.

* 1. Longitude (ex: 12.4829321)

Longitude of the center of the user’s search.

* 1. Desired Location Distance (ex: 0)

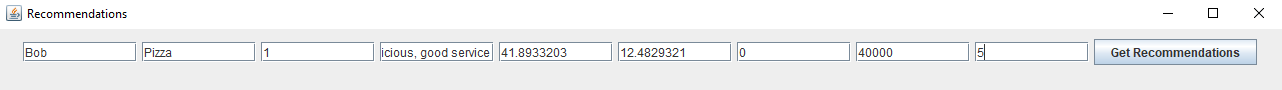
Desired distance to the user’s desired search result. This establishes the user’s preference for a location’s distance, not a hard bound. The units are in meters.

* 1. Maximum Search Radius (ex: 40000)

In contrast to the desired location distance, search radius is the hard limit bound of the distance to search within. The number must be greater than or equal to 0 and less than or equal to 40000. The units are in meters.

* 1. Desired Rating (ex: 5)

The desired rating of the user’s search result. This is on a scale of 1 to 5 stars.



1. Click get recommendations and wait

Graphical user interface, text, application, chat or text message

Description automatically generated

**Interpretation of Results**

The user will receive a pop-up detailing the up-to top 5 best matches for the overall user query. It will also include a friend recommendation to another user if there is an overlap in interests between the current user and any past users of the program.