**Distance and Directions with Google Maps**

User Manual

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Before using this manual, follow the configuration manual. For instructions on how to install and run the program see the Configuration/Installation Manual.

1. running from Eclipse, go to web browser and search “localhost:8080”.

Graphical user interface, application, chat or text message

Description automatically generated

1. From the homepage, you can view queries already stored in the database.

Graphical user interface, text, application

Description automatically generated

**Entering New Queries**

1. Select “New Query” at the top of the page, under the prompt.
2. This brings you to a new page with two (2) address fields. *Address 1* and *Address 2* refer to a *beginning location* and *ending location* respectively.

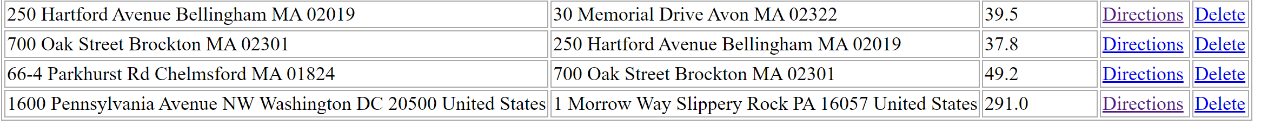
Graphical user interface, application

Description automatically generated

1. Fill out both fields as accurately as possible. Inaccurate spelling or an invalid address(es) may return unpredictable results.

Graphical user interface, application

Description automatically generated

1. Click “Submit”. You will be directed to the homepage with your new query at the bottom of the list.
2. If user decides they do not want to continue with a query, they can select “Existing Queries” at the top of the page to return to the home page.

**Finding Distance Between Locations**

1. The distance (in miles) is automatically shown on the home page, to the right of the addresses of each query.

**Finding Directions from Origin to Destination**

1. To the right of the distance entry, user may click on the “Directions” hyperlink to open a new page.

Graphical user interface, text, application, email

Description automatically generated

1. This page will have the Instructions for the desired query. When finished, user can select “Existing Queries” button at the top of the page to return to the home page.

**Displaying Route Map**

1. On the main page, press the ‘Display’ button next to an existing query, and the map below will automatically populate with a street-by-street line guide of the directions

Table

Description automatically generated

**Viewing Directions**

* + - 1. On the main page, each search entry has a link to the directions page. Press it to bring up a list of the directions. To return, press the ‘Existing Queries’ Button

Text, email

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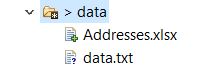
Description automatically generated

**Deleting a Query**

1. Should user desire to delete a query, they may select “Delete” in the far right hyperlink inline with the query to be deleted. This deletion is permanent.

**Data Storage and Persistence**

1. The data for this project is stored locally in a file called data.txt. Which is saved to the programs working directory.



1. The file is not human readable text but is interpreted by the dataController class to load and save google API queries. Thus, reducing unnecessary calls.