

LAB 4 - Uber Calculations

Platform: Desktop

HTTP client: Node.js

Languages: Java, Javascript

Dataset:

https://www.kaggle.com/fivethirtyeight/uber-pickups-in-new-york-city?select=other-Dial7_B00887.csv

Data We Have:

- Uber trip data from 2014 and 2015
 - The dates and times of each Uber trip
 - Pickup Addresses
 - Uber Base Numbers
- Non Uber trips from other companies from 2014 and 2015

Feature List:

- **other-Dial7_B00887.csv**
 - Feature 1: As a user, I want to be able to select an entry and update it.
 - Feature 2: As a user I want to be able to select an entry and remove it.
 - Feature 3: As a user I want to be able to add an entry.
 - Feature 4: As a user I want to be able to back up the modified dataset.
 - Feature 5: As a user I want to be able to import a previously backed up dataset.

User Test Cases:

- Feature 1: As a user, I want to be able to select an entry and update it.
 - Test case 1: After selecting an entry and updating it, it should show the updated details in the list view..
- Feature 2: As a user I want to be able to select an entry and remove it.

- Test case 2: After selecting an entry and removing it, it should no longer appear in the list view.
- Feature 3: As a user I want to be able to add an entry.
 - Test case 3: After adding an entry it should appear in the list view.
- Feature 4: As a user I want to be able to back up the modified dataset.
 - Test case 4: After backing up the current data, it should be saved to local storage.
- Feature 5: As a user I want to be able to import a previously backed up dataset.
 - Test case 5: After importing a backed up dataset, it should populate the list view with the backed up information.

To-Do List

To do list for next sprint

- Add textbox, buttons to GUI.
 - Finished by Patrick Fenn
- Implement server used for connection in Node.js.
 - Finished by Patrick Fenn
- Add logic for each button in the Controller class.
 - Finished by Patrick Fenn
- Create Html class to initiate connection from client to server.
 - Finished by Patrick Fenn
- Implement a function that sends and receives messages from the server.
 - Finished by Patrick Fenn

Done list for last sprint:

- GUI
 - For adding, deleting, updating dataset entries.
 - Add buttons for each operation.
 - Add the correlating logic in the controller
 - For backup and import
 - Add buttons for each operation
 - Add correlating logic in the controller.
- Create a class for backup and import functionality.
 - Need to save current listview entries in a text file.
 - Need to load the backed up data from a text file.