Sprint-2 Artifact

Members: Heidi Dye, Noah De Mers, Ian Oh, Israel Sanchez Lara, Bao Lam Le

New York Dataset:

-Feature 1: as a user, I want to be able to tell when the busiest time is to be picked up.

-Feature 2: as a user, I want to search for the most popular pickup locations depending on the time of day for each of the For-Hire Vehicle services used.

-Feature 3: as a user, I want to search for the safest pickup locations.

-Feature 4: as a user, I want to be able to compare other services to Uber and see which one is more popular.

-Feature 5: as a user, I want to see where other customers are getting picked up regardless of the service.

-Feature 6: as a user, I want to see if Uber outperforms other For-Hire Vehicle companies in a given month based on the number of rides given.

-Feature 7: as a user, I want to see Uber's growth over time by comparing the number of rides over a set of given time.

GUI:

- Interactive map for users to visualize the New York City Streets
- Drop down menu for viewing the stats for different riding services
- Buttons to view time and location (form the77 features)
    - When user clicks on button option, it sends the date, location, time, and ridesharing option from the client to the server
- form to view the results from the server, maybe update map

Test Cases

-Feature 1: as a user, I want to be able to tell when the busiest time is to be picked up.

Test Cases:

-Test case 1: as a user, in the Data page, I first search for records by inputting district location, date and selecting “confirm”.

Correct Output: The website should show the location you typed in along with the busiest time.

-Test case 2: as a user, in the Data page, I press the update button to updated the busiest time if need be.

Correct Output: The website should now show the updated busiest time.

-Test case 2: as a user, in the Data page, when I update the busiest time, it should only accept a number.

Correct Output: The website should accept the input and update accordingly.

-Feature 2: as a user, I want to search for the most popular pickup destinations depending on time of day.

Test Cases:

-Test case 1: as a user, in the Data page, I select the time of day and select “confirm”.

Correct Output: The website should now display a table with most popular places to be picked up.

-Test case 2: as a user, in the Data page, I want to enter a valid time.

Correct Output: The website should now display a table with most popular places to be picked up.

-Test case 3: as a user, in the Data page, I want to enter a string.

Correct Output: The website should now display a table with most popular places to be picked up.

-Feature 3: as a user, I want to search for the safest pickup locations.

Test Cases:

-Test case 1: as a user, in the Data page, I want to enter a street name.

Correct Output: The website should show a list of locations that are safe to pick up near that street.

-Feature 4: as a user, I want to be able to compare other services to Uber and see which one is more popular.

Test Cases:

-Test case 1: as a user, in the Data page, I want to select the location and date and select “confirm”.

Correct Output: The website should now display a table with the most popular service based on location and date.

-Test case 2: as a user, in the Data page, I want to enter a valid location.

Correct Output: The website should output a corresponding message that the input has been accepted.

-Test case 3: as a user, in the Data page, I want to enter a valid date

Correct Output: The website should output a corresponding message that the input has been accepted.

-Feature 5: as a user, I want to see where other customers are getting picked up.

Test Cases:

-Test case 1: as a user, in the map page, I want to enter a time and date.

Correct Output: Map should output location of potential customers.

-Feature 6: as a user, I want to see if Uber outperforms other For-Hire Vehicle companies in a given month based on the number of rides given.

Test Cases:

-Test case 1: as a user, in the Data page, I want to select a company a compare Uber to and a month for comparison

Correct Output: The website should now display in a table the Uber and the FHV company's name followed by their corresponding trips.

-Feature 7: as a user, I want to see Uber's growth over time by comparing the number of rides over a set of given time.

Test Cases:

-Test case 1: as a user, in the Data page, I want to select two months to compare Uber's number of rides.

Correct Output: The website displays both months in a table followed by the number of rides made in each month

-Test case 2: as a user, in the Data page, I want to select a different month to compare Uber's number of rides.

Correct Output: The website prompts the user to modify one or both months displaying the appropriate data after submitting the new changes