

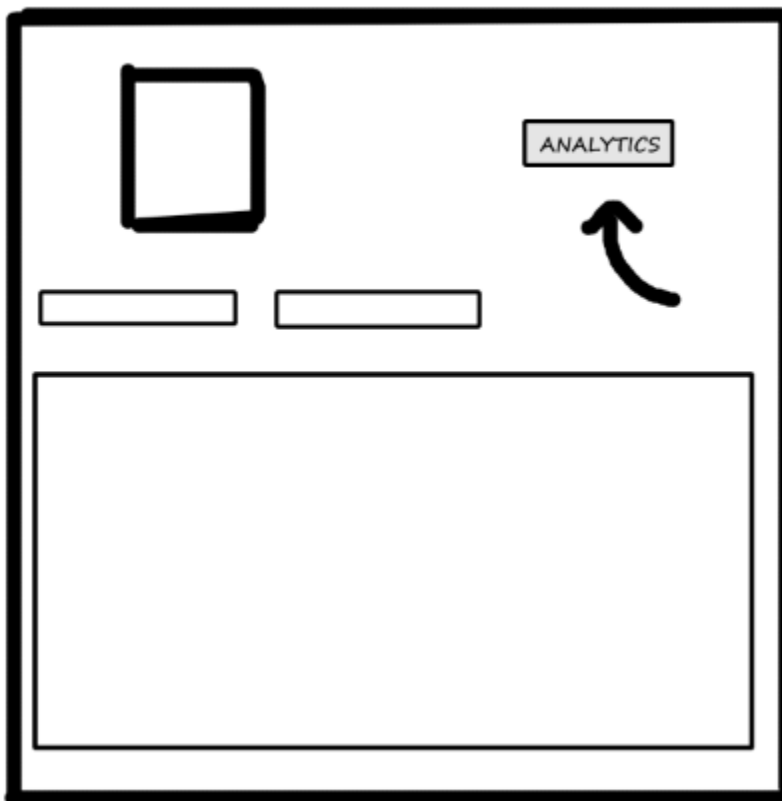
Sprint 4

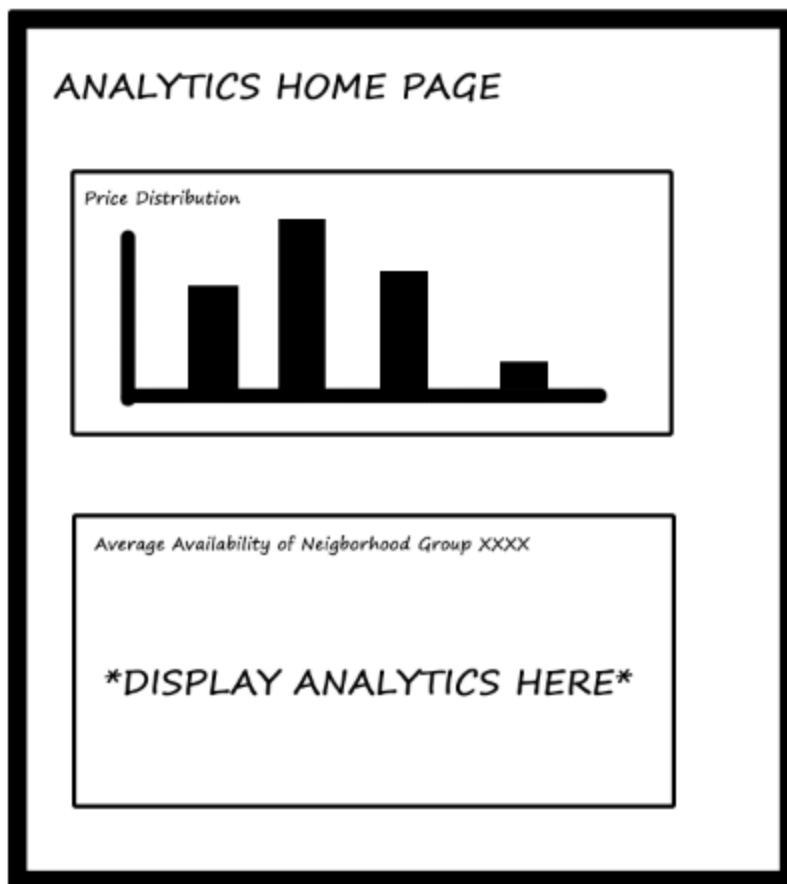
Team: Two Man Group

Features to implement in next sprint:

- Feature 1: As a user, I want to see a bar chart of price distribution by neighborhood group
- Feature 2: As a user, I want to see average price for each day of the week
- Feature 3: As a user, I want to see average availability of a neighborhood group
- Feature 4: As a user, I want to see the rankings of neighborhood groups by average price
 - Button to sort through highest or lowest average prices

GUI Design





Users are able to scroll down and see more analytics...

Test Cases

- Feature 1 Test Cases: As a user, I want to see a bar chart of price distribution by neighborhood group
 - Test Case 1: As a user, I click on the analytics page
Correct Output: The website displays a bar chart of price distribution by neighborhood group
 - Test Case 2: As a user, I insert data and I click on the analytics page
Correct Output: The website should show an updated version of the price distribution by neighborhood group
- Feature 2 Test Cases: As a user, I want to see average price for each day of the week
 - Test Case 1: As a user, I click on the analytics page
Correct Output: The website displays the average price for each day of the week
 - Test Case 2: As a user, I insert data and I click on the analytics page
Correct Output: The website should show an updated version of the average price for each day of the week
- Feature 3 Test Cases: As a user, I want to see average availability of a neighborhood group

- Test Case 1: As a user, I click on the analytics page
Correct Output: The website displays the average availability of a neighborhood group
- Test Case 2: As a user, I insert data and I click on the analytics page
Correct Output: The website should show an updated version of the average availability of a neighborhood group
- Feature 4 Test Cases: As a user, I want to see the rankings of neighborhood groups by average price
 - Test Case 1: As a user, I click on the analytics page
Correct Output: The website displays the rankings of neighborhood groups by highest to lowest average prices
 - Test Case 2: As a user, I insert data and I click on the analytics page
Correct Output: The website should show an updated version of the rankings of neighborhood groups by highest to lowest average prices
 - Test Case 3: As a user, I click the sort lowest to highest button
Correct Output: The website displays the rankings of neighborhood groups by lowest to highest average prices and the button text says highest to lowest

DONE List

- load csv files into dict instead of list (Tristan Naess)
- Convert csv files to json and load into dict (Tristan Naess)
- Dropdown list for options (Chris)
- allow more complex searches (Chris)
- Backend add update/insert/delete features for listing tables (Tristan, Chris, and Andrew)
- Frontend add update/insert/delete features for listing tables (Kyle and Kyle)
- backup/import data (Chris and Andrew)

TODO List

- Frontend Assigned to Kyle and Kyle
 - Bar chart of price distribution by neighborhood group
 - Acceptance Criteria: The analytics page shows the bar chart of price distribution
 - Average price for each day of the week
 - Acceptance Criteria: The analytics page shows the average price
 - Average availability of a neighborhood group
 - Acceptance Criteria: The analytics page shows the average availability
 - The rankings of neighborhood groups by average price
 - Acceptance Criteria: The analytics page shows the correct rankings
 - Button to sort through highest or lowest average prices for neighborhood group
 - Acceptance Criteria: The button is able to be clicked on and it switches the bar chart from highest to lowest and lowest to highest
- Backend Assigned to Tristan, Chris, and Andrew
 - Connecting data to analytics
 - Acceptance Criteria: Changing the json should change the analytics

- Price distribution for neighborhood group
 - Acceptance Criteria: The analytics should show the correct values for price distribution for neighborhood group
- Average price for each day of the week
 - Acceptance Criteria: The analytics should show the correct average price for each day of the week
- Average availability of a neighborhood group
 - Acceptance Criteria: The analytics should show the correct average availability of a neighborhood group
- The rankings of neighborhood groups
 - Acceptance Criteria: The analytics should show the correct rankings for neighborhood groups
- Sort through highest to lowest average price for neighborhood groups
 - Acceptance Criteria: Sort through prices correctly
- Sort through lowest to highest average price for neighborhood groups
 - Acceptance Criteria: Sort through prices correctly