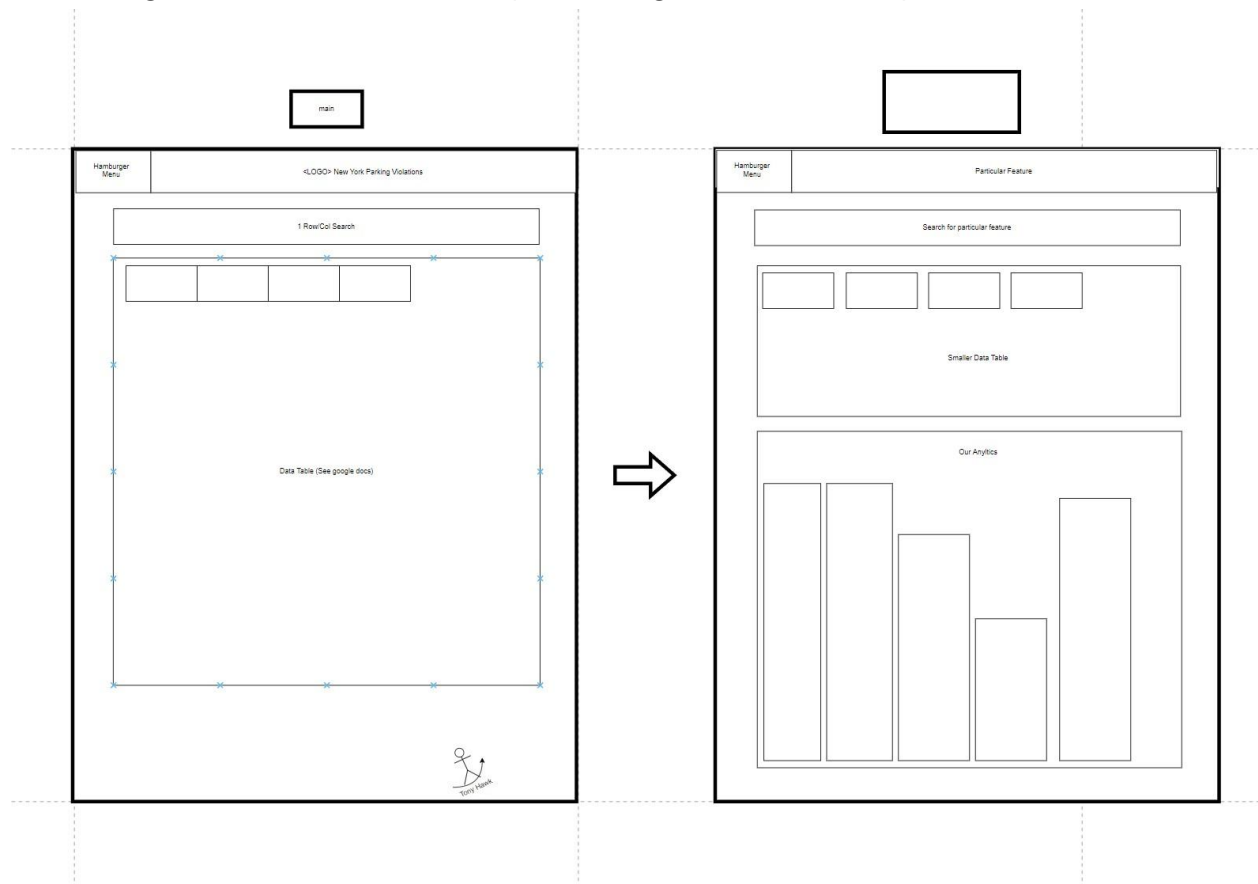


## Sprint-2 Artifact

Feature (fields of interest to search):

- Most common types of violations
- Car brands that get a violation the most
- Frequencies of violations given based on time of day
- Frequencies of violations given based on month of the year
- Repeat offenders
- Frequency of violations per county

GUI design and User test cases (for testing search feature):



There is a filter next to each (sortable) column that allows you to sort by ascending/descending fg fdg sdfg dfgs dfg

Search bar under the columns that allow you to filter data

- Maybe support operations like <, >, \*
- Support both AND and OR operations,  
ex: Col1=a AND Col2=b

Col1=a OR Col2=b

Filter

Search Bar

Col 1 ▾	Col 2	Col 3	Col 4
Data	data	data	data
...	...	...	...
...	...	...	...

### Test Cases:

- User enters a space or multiple spaces in a search bar
  - Clear the search bar, send message asking user for re-entry and wait
- User enters values which are out of bounds
  - Clear the search bar, send message asking user for re-entry and wait
- User enters wrong data type into search bar, such as a string instead of an int
  - Clear the search bar, send message asking user for re-entry and wait
- User enters type of violation
  - Correct Output: List of violations with frequency of occurrence next to them
- User enters Car Brand
  - Correct Output: The violations occurring with that car brand
- User enters in a plate number
  - Correct Output: Returns how many violations that plate has
- User enters a particular month
  - Correct Output: The violations and their frequencies within the month
- User enters in a county
  - Correct Output: Violations occurring in county and their frequency
- User enters in a time of the day
  - Correct Output: Returns the violations occurring most within that time slot

## Tasks:

### Done list of last sprint:

- Set up frontend skeleton
  - [finished by Jason Lin and verified by everyone]
- Connected server to client
  - [finished by Justin Pham and verified by everyone]

### ToDo task list for next sprint:

- Hamburger Menu
  - Acceptance criteria: Expands when clicked on and links to correct pages
- Search box
  - Acceptance criteria: Able to type in information and press button to search
- Get needed data from CSV/JSON files
  - Acceptance criteria: Method successfully gets all necessary data from files
- Data table for main page
  - Acceptance criteria: Table makes sense with proper labels and displays correct data