Brainstorm what we want to show on the webpage as this will determine what queries we write.

Next create 3 queries

Example:

1. Finding Common Data

-write a query unique brand names from both tables (inner join)

-session.query(func.count(walmart2019.brand)).\

filter(walmart2019.uniqid==walmart2020.brand)[0]

1. Largest price change from 2019 to 2020?
2. What category has the most items?
3. The column names we can work with

* item\_number VARCHAR(500) PRIMARY KEY NOT NULL,
* product\_name VARCHAR(1000),
* product\_url VARCHAR (1000),
* price\_2019 FLOAT,
* price\_2020 FLOAT,
* brand VARCHAR(1000),
* category VARCHAR(1000)

Once we write the queries, then we can build functions within flask that will talk to prostrgres when user selects items on our webpage

Example:

* Drop down > table > graph 1 > graph 2
  + Filter off of brand name or category
    - Display a table based off what the user picks, similar ufo homework
  + Scatter plot breaking down the number of items based on category
  + Bar chart showing price difference
  + Drop down with a with info about sale price 2019 vs 2020

Take first block of code from pandas/juptiter notebook and import into Flask app in vs code

[Just a thought as we try to divide and conquer the work]

(1 query per person (maria, jess, gary), 1 person to build the webpage)

Prototype:

