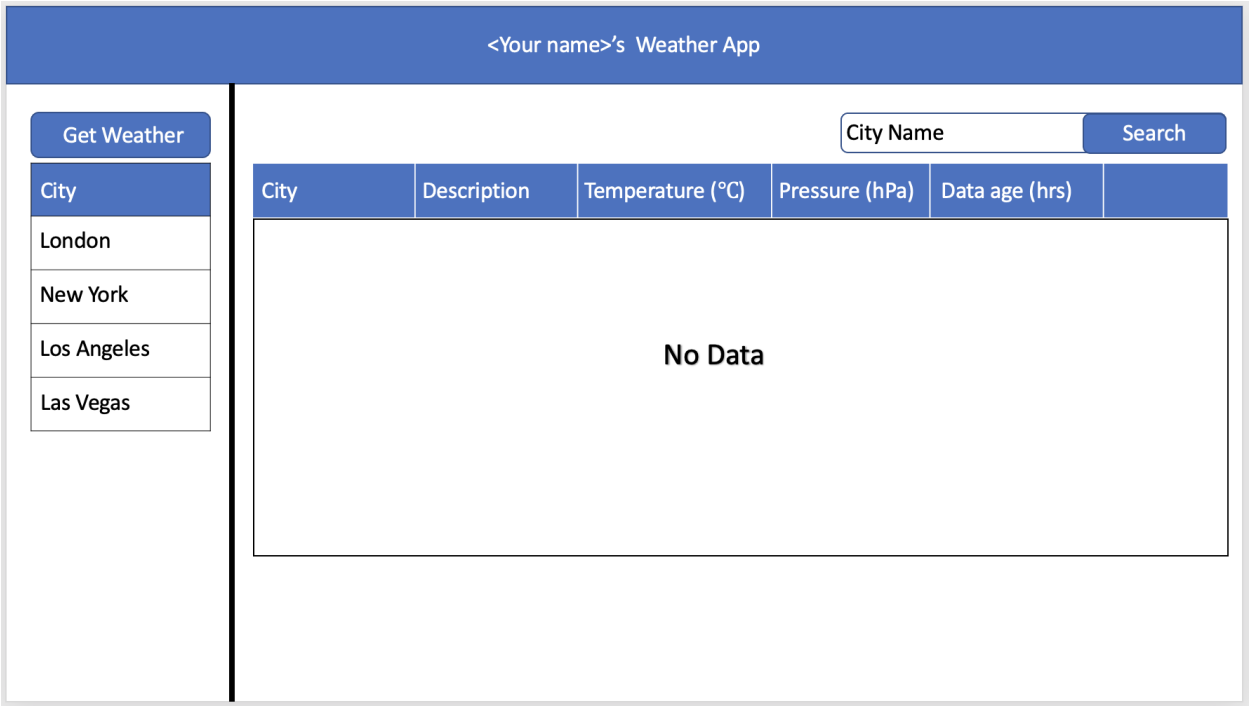
Weather App

Description:

Build a web app that displays weather details of different cities and also allows a User to search for the weather details of a particular city.

UI layout Structure:

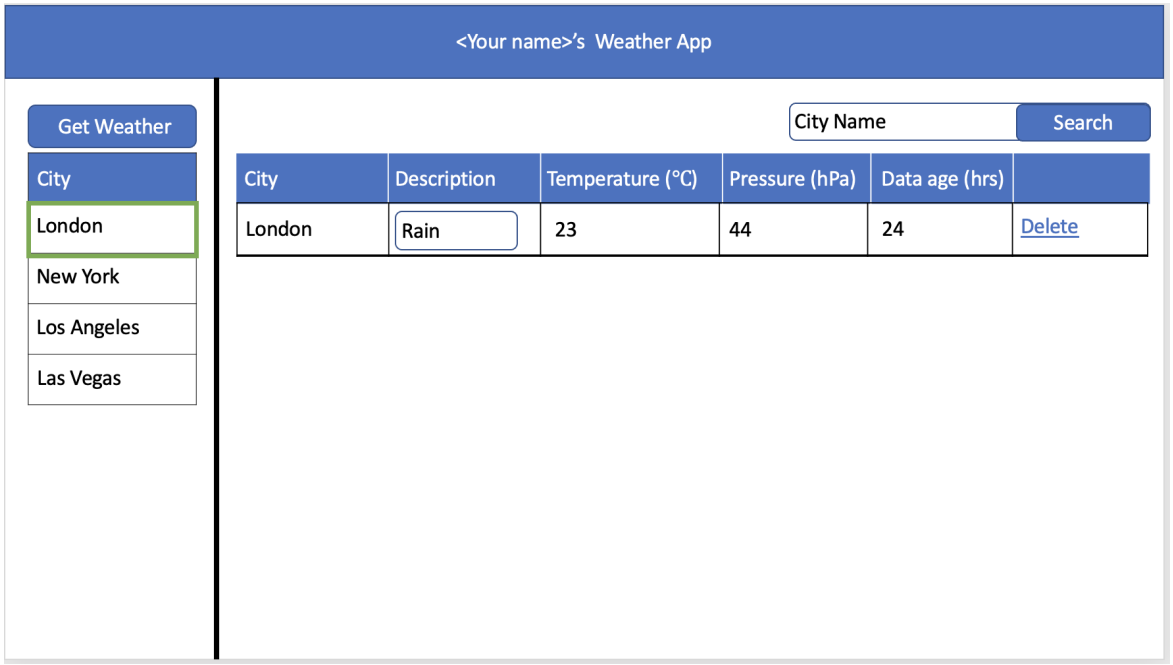
Create a layout as follows:



1. There are two tables here:
    a. Single column "City List" table on the left
    b. 6 column "Details" table
2. The following elements in the layout are clickable buttons:
    a. "Get Weather"
    b. "Search"
3. If no data is present in the table, display "No Data" as above
4. Background Colour to use for headers and buttons: “#4472C4”.
5. Text colour to use for headers and buttons: “#ffffff”.
6. Text colours for rows content, “No Data” message: “#000000”.
7. Border colour for rows : “#000000”.

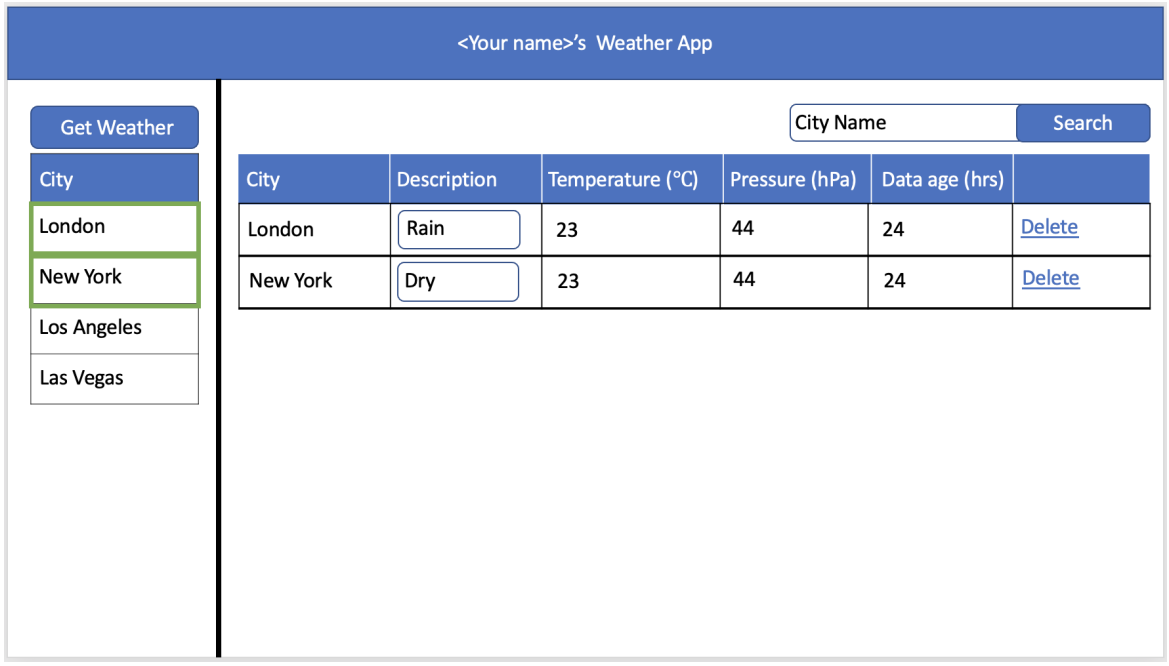
User Interaction and Flow:

1. The user clicks on the **“Get Weather”** button
2. The web app highlights the first row in the “City list” table (see below, the highlight is the green border)
3. The web app then fetches the JSON information from the API
    a. Method: GET
    b. URL:
    https://python3-dot-parul-arena-2.appspot.com/test?cityname=<city name in the current row>
    e.g
    https://python3-dot-parul-arena-2.appspot.com/test?cityname=London
4. Weather information is fetched and inserted into the table as per the figure below
5. The web app then highlights the next city and then performs steps 2 to 4.

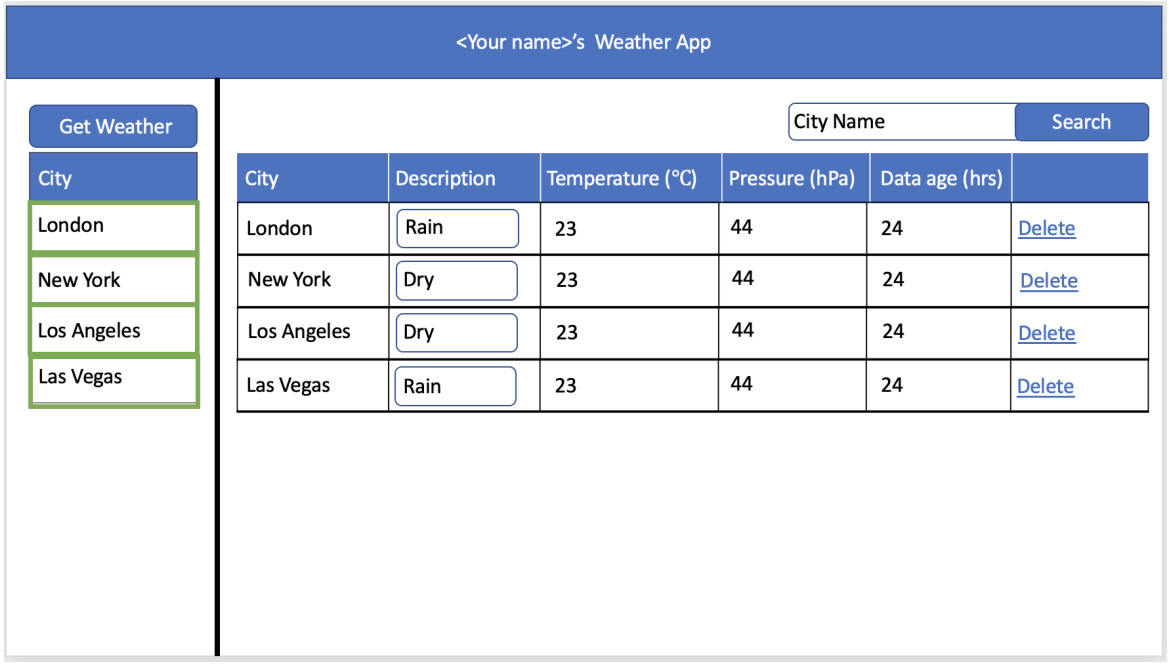


Please Note:

6. The Description field is a text input and is hence editable by the user
7. The value of Data age is calculated as "(Current date time - data_and_time) " and expressed in hours
8. Everytime a city's weather information is fetched, a new row is added to the "Details" table (see the figure below)



9. After the process is complete, the final UI shall be as follows:



Additional Functionality:

1. Clicking the **Delete** button will delete the row
2. Table data should be stored in a dictionary / JS object as and when rows are added in the table.
3. "Search": The user enters a city name in the search input box and clicks on the **Search button**. If the city name is present in the Details table, that row is highlighted in yellow color for 3 seconds.