**Report for HW 4 (React)**

First, to able to create a table, in the render function, I create a header with title “Cars Table” and after the header I create a table using <table> and </table>. Then inside <table>, I use <th> to create the table header, manufacturer, model, year stock, price and option. The year button is a button and I remove its background using css. After clicking the button “year”, sortYear() function will be called to arrange the data in ascending and descending order of the year of data. I use setState to upgrade the view of data. Then the body of the table I call the function renderTableData(). The function renderTableData() will create a table with the data provided in the array. On the last column of the table, an “increment” button is created to increase the stock by one. Below is the screenshot of the output.

Screenshot 1: Output

Table

Description automatically generated

Screenshot 2: After clicking “year” button the data arranged in ascending order

Table

Description automatically generated

Screenshot 3: After clicking “year” button again the data arranged in descending order

Table

Description automatically generated

Screenshot 4: After clicking “increment” button on the first row of data

Table

Description automatically generated