

Assignment AN-A5

Point to Note

- a) The code should be properly indented.
- b) The names of the variables and functions should be appropriate.
- c) There should be no unnecessary code.
- d) The application should look and behave as shown.
- e) Test the code properly. Think about all the test cases and make sure that you have tested it.
- f) With the code also submit a test report. This testing report should have all the errors in the application. It should cover all the functionality and appearance. If any feature has not been implemented, it should be stated in the testing report.
- g) 20% of the marks are for the test report.
- h) Any submission without the test report will not be accepted.

SECTION A

This section carries 15 marks. Ensure that the app is tested thoroughly.

You have been given an array of JSON consisting the product name and its sales in various stores.

The sample JSON is

```
[{"product": "Pepsi", "sales": [2, 5, 8, 10, 5]},  
{"product": "Coke", "sales": [3, 6, 5, 4, 11, 5]},  
{"product": "5Star", "sales": [10, 14, 22]},  
{"product": "Maggi", "sales": [3, 3, 3, 3, 3]},  
{"product": "Perk", "sales": [1, 2, 1, 2, 1, 2]},  
{"product": "Bingo", "sales": [0, 1, 0, 3, 2, 6]},  
{"product": "Gems", "sales": [3, 3, 1, 1]}]
```

Create a React app what will do the following :

1. Render the product details in a tabular format. It will have 3 columns - Product, Total sales and Details. Details will be a button.
2. Above the product details will be 3 buttons - Sort by Product, Total Sales Asc, Total Sales Desc. Clicking on Sort by Product will show the details sorted by product in ascending order. Clicking on Total Sales Asc will show the details sorted by total sales in ascending order. Clicking on Total Sales Desc will show the details sorted by total sales in descending order.
3. Clicking on Details button will show the product and its sales in various stores as an unordered list below the table.

SECTION B

This section carries 35 marks. Ensure that the React app has the proper UI as shown in the video. Also test it thoroughly.

Watch the app as shown in the demo at <https://youtu.be/hj1fCX8Dt1w>

1. What are the fields defined in the state in the video. For each field, also explain their purpose.
2. Make the app as shown in the demo.

The details of the file quizqns.js which has the quiz questions are :

```

const questions = [
  {
    text: "What is the capital of India",
    options: ["New Delhi", "London", "Paris", "Tokyo"],
    answer: 1
  },
  {
    text: "What is the capital of France",
    options: ["New Delhi", "New York", "Paris", "Rome"],
    answer: 3
  },
  {
    text: "What is the currency of UK",
    options: ["Dollar", "Mark", "Yen", "Pound"],
    answer: 4
  },
  {
    text: "What is the height of Mount Everest",
    options: ["9231 m", "8848 m", "8027 m", "8912 m"],
    answer: 2
  },
  {
    text: "What is the capital of Japan",
    options: ["Beijing", "Osaka", "Kyoto", "Tokyo"],
    answer: 4
  },
  {
    text: "What is the capital of Egypt",
    options: ["Cairo", "Teheran", "Baghdad", "Dubai"],
    answer: 1
  }
];
export function getQuizQuestions() {
  return questions;
}

```