

React Assignment:3

1. Create a sample component to demonstrate react bootstrap components.

SampleContent.js

```
import React from "react";
import Badge from "react-bootstrap/Badge";

export default class SampleComponent extends React.Component {
  render() {
    return (
      <div>
        <Badge bg="primary">Primary</Badge> <Badge bg="secondary">Secondary</Badge>{' '}
        <Badge bg="success">Success</Badge> <Badge bg="danger">Danger</Badge>{' '}
        <Badge bg="warning" text="dark">
          Warning
        </Badge>{' '}
        <Badge bg="info">Info</Badge>{' '}
        <Badge bg="light" text="dark">
          Light
        </Badge>{' '}
        <Badge bg="dark">Dark</Badge>
      </div>
    );
  }
}
```

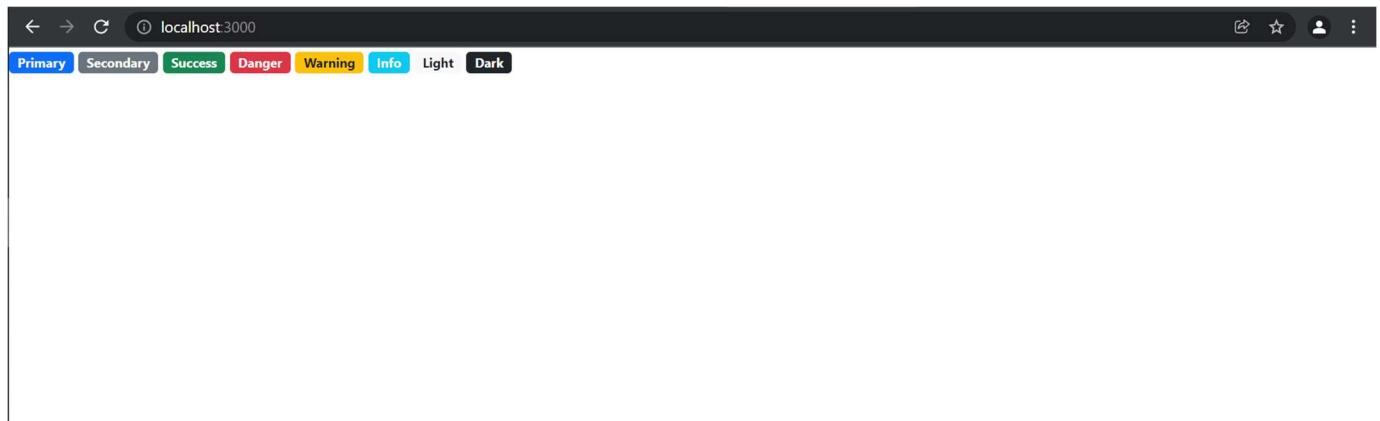
App.js

```
import React from 'react';
import './App.css';
import "bootstrap/dist/css/bootstrap.css";
import SampleComponent from './SampleComponent';

class App extends React.Component {
  render(){
    return(
      <div>
        <SampleComponent/>
      </div>
    );
  }
}
```

```
}  
  
export default App;
```

Output:



2. Complete the below activity to apply bootstrap on a table

==>>How to Show Data Grids with Bootstrap Theming in React with React Bootstrap Table

--Bootstrap is one of the most popular UI frameworks. It provides ready-to-use components that simplify building web applications.

--The Table component in Bootstrap provides beautiful styling for different styles of tables. However, it does not provide additional functionality commonly needed in applications like sorting, filtering, paging, in-cell editing. That's where the React Bootstrap Table comes into play.

--The React Bootstrap Table is the library that provides the Table component that supports Bootstrap theming and has got a rich set of additional features.

npx create-react-app testapp

cd testapp

step 1:

React Bootstrap Table relies on Bootstrap for styling, so we need to install the bootstrap package for the Bootstrap CSS files as well:

```
# add with npm
```

```
npm install bootstrap
```

```
# or with yarn
```

```
yarn add bootstrap
```

Adding React Bootstrap Table

We start by adding the React Bootstrap Table to a project:

```
# add with npm
```

```
npm install react-bootstrap-table-next
```

```
# or with yarn
```

```
yarn add react-bootstrap-table-next
```

```
import React from "react";
```

```
import "bootstrap/dist/css/bootstrap.css";
```

```
import "react-bootstrap-table-next/dist/react-bootstrap-table2.min.css";
```

```
import BootstrapTable from "react-bootstrap-table-next";
```

```
const products = [
```

```
  { id: 0, name: "Item name 0", price: 2100 },
```

```
  { id: 1, name: "Item name 1", price: 2101 },
```

```
  { id: 2, name: "Item name 2", price: 2102 },
```

```
  { id: 3, name: "Item name 3", price: 2103 }
```

```
];
```

```
const columns = [
```

```
  {
```

```
    dataField: "id",
```

```
    text: "Product ID",
```

```
    sort: true
```

```
  },
```

```
  {
```

```
    dataField: "name",
```

```
    text: "Product Name",
```

```
    sort: true
```

```
  },
```

```
  {
```

```
    dataField: "price",  
    text: "Product Price"  
  }  
];
```

```
export default function BSTable() {  
  return (  
    <div className="App">  
      <BootstrapTable  
        bootstrap4  
        keyField="id"  
        data={products}  
        columns={columns}  
      />  
    </div>  
  );  
}
```

BSTable.js

```
import React from "react";
import "bootstrap/dist/css/bootstrap.css";
import "react-bootstrap-table-next/dist/react-bootstrap-table2.min.css";
import BootstrapTable from "react-bootstrap-table-next";

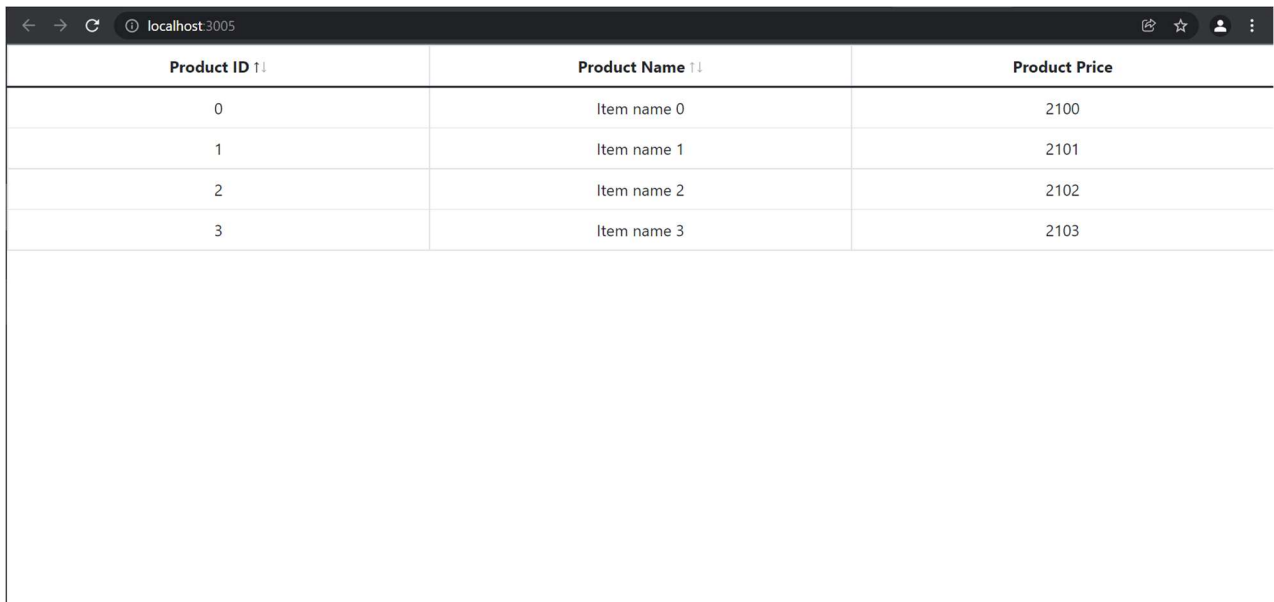
const products = [
  { id: 0, name: "Item name 0", price: 2100 },
  { id: 1, name: "Item name 1", price: 2101 },
  { id: 2, name: "Item name 2", price: 2102 },
  { id: 3, name: "Item name 3", price: 2103 }
];

const columns = [
  {
    dataField: "id",
    text: "Product ID",
    sort: true
  },
  {
    dataField: "name",
    text: "Product Name",
    sort: true
  },
  {
    dataField: "price",
    text: "Product Price"
  }
];

export default function BSTable() {
  return (
    <div className="App">
      <BootstrapTable
        bootstrap4
        keyField="id"
        data={products}
        columns={columns}
      />
    </div>
  );
}
```

App.js

```
import React from 'react';
import './App.css';
import "bootstrap/dist/css/bootstrap.css";
import BSTable from './BSTable';
class App extends React.Component {
  render(){
    return(
      <div>
        <BSTable/>
      </div>
    );
  }
}
export default App;
```

Output:

Product ID ↑↓	Product Name ↑↓	Product Price
0	Item name 0	2100
1	Item name 1	2101
2	Item name 2	2102
3	Item name 3	2103