This Lab 05 requires the development of a simple order management application using React, React Bootstrap, Axios, and JSON Server. This application allows users to perform the following functions:

1. **Login/Logout**:
   * Only registered users are allowed to log in and view the list of products.
   * Provide a logout function.
2. **Display Order List**:
   * After successfully logging in, users can view a list of orders. Each order includes information about the customer, the ordered product, and the quantity.
3. **Search Orders**:
   * Users can search for orders based on product name or customer name.
4. **Add New Order**:
   * Users can add a new order, including selecting a customer from a dropdown, selecting a product from a dropdown, and entering the product quantity.
5. **Update Order**:
   * Users can update the information of an existing order.
6. **Delete Order**:
   * Users can delete an order from the list.

**Technical Requirements:**

* **Frontend**: Use React for the user interface and React Bootstrap for UI design.
* **Backend**: Use JSON Server to simulate a backend and store data.
* **API Calls**: Use Axios to make HTTP requests to JSON Server.
* **Authentication**: Check login information from **db.json**, store login status in **localStorage**.
* **State Management**: May use **useState**, **useEffect**, and context in React to manage state.

**Development Requirements:**

1. **Initialize JSON Server** with mock data for **customers**, **products**, and **orders**.
2. **Design UI**:
   * Create a login form and user authentication logic.
   * Display an order list with functionalities: search, add, update, delete.
   * Use React Bootstrap to create interface components like Navbar, Table, Buttons, Forms, Modals.
3. **Handle Logic**:
   * Communicate with JSON Server via Axios for CRUD operations on orders.
   * Handle login and store login status.

{

  "customers": [

    {

      "id": "1",

      "name": "Nguyen Hoan",

      "email": "hoan@fpt.edu.vn",

      "password": "123"

    },

    {

      "id": "2",

      "name": "Jane Doe",

      "email": "jane@example.com",

      "password": "456"

    }

  ],

  "products": [

    {

      "id": "1",

      "name": "Laptop",

      "price": 1200

    },

    {

      "id": "2",

      "name": "Smartphone",

      "price": 700

    }

  ],

  "orders": [

    {

      "id": "1",

      "customerId": 1,

      "productId": "2",

      "quantity": 1

    },

    {

      "id": "2",

      "customerId": 2,

      "productId": "1",

      "quantity": 2

    }

  ]

}









