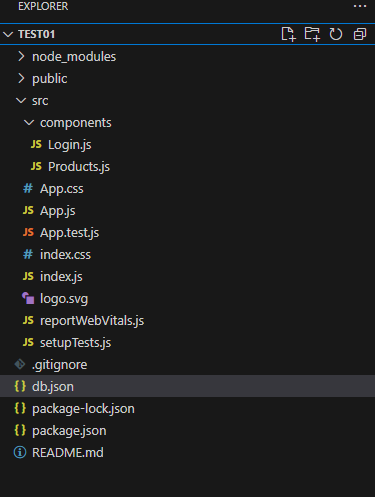
**KIỂM TRA PROGRESS TEST FER202**

**1.Create a ReactJS Application.**



**2. Create and configure JSON Server** (0.5 mark)**:**

{

    "Products": [

      {

        "id": 1,

        "name": "Wireless Mouse",

        "category": "Electronics",

        "price": "$25.99",

        "stock": 150,

        "description": "A high-precision wireless mouse for comfortable use.",

        "image": "/images/wireless-mouse.jpg"

      },

      {

        "id": 2,

        "name": "Bluetooth Speaker",

        "category": "Electronics",

        "price": "$49.99",

        "stock": 75,

        "description": "Portable Bluetooth speaker with great sound quality.",

        "image": "/images/bluetooth-speaker.jpg"

      },

      {

        "id": 3,

        "name": "Smartwatch",

        "category": "Electronics",

        "price": "$199.99",

        "stock": 50,

        "description": "Smartwatch with heart rate monitor and fitness tracking.",

        "image": "/images/smartwatch.jpg"

      },

      {

        "id": 4,

        "name": "Wireless Keyboard",

        "category": "Electronics",

        "price": "$49.99",

        "stock": 100,

        "description": "A wireless keyboard with a sleek design and comfortable keys.",

        "image": "/images/wireless-keyboard.jpg"

      },

      {

        "id": 5,

        "name": "Laptop Bag",

        "category": "Accessories",

        "price": "$29.99",

        "stock": 200,

        "description": "A durable and stylish laptop bag for everyday use.",

        "image": "/images/laptop-bag.jpg"

      },

      {

        "id": 6,

        "name": "Travel Backpack",

        "category": "Accessories",

        "price": "$39.99",

        "stock": 100,

        "description": "A versatile and spacious backpack for travel and outdoor activities.",

        "image": "/images/travel-backpack.jpg"

      },

      {

        "id": 7,

        "name": "Leather Wallet",

        "category": "Accessories",

        "price": "$19.99",

        "stock": 150,

        "description": "A classic leather wallet with multiple card slots and compartments.",

        "image": "/images/leather-wallet.jpg"

      }

    ],

    "UserAccounts": [

      {

        "id": 1,

        "username": "adminuser",

        "password": "admin1234",

        "account\_type": "admin",

        "status": "active"

      },

      {

        "id": 2,

        "username": "janedoe",

        "password": "password567",

        "account\_type": "user",

        "status": "active"

      },

      {

        "id": 3,

        "username": "mikejones",

        "password": "password890",

        "account\_type": "user",

        "status": "inactive"

      },

      {

        "id": 4,

        "username": "guest",

        "password": "guest123",

        "account\_type": "guest",

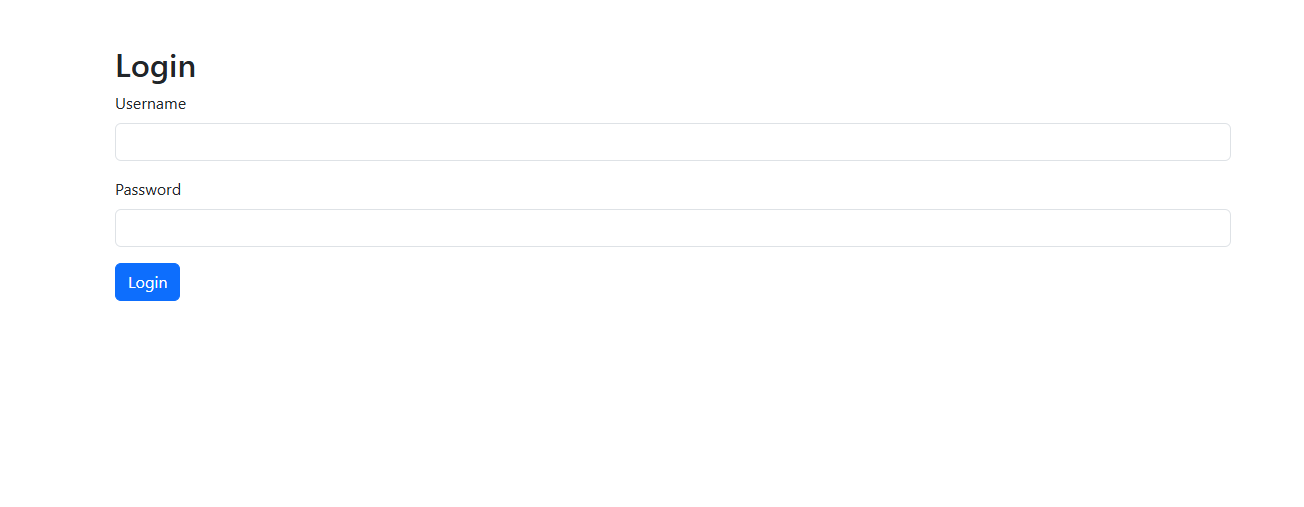
        "status": "active"

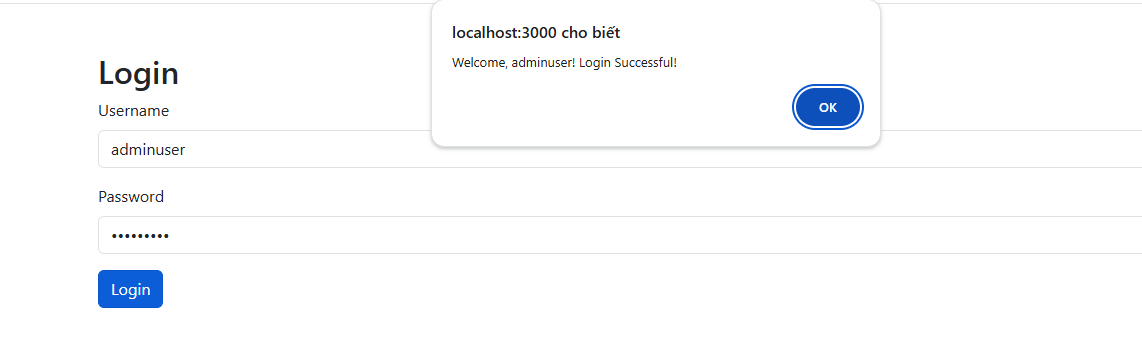
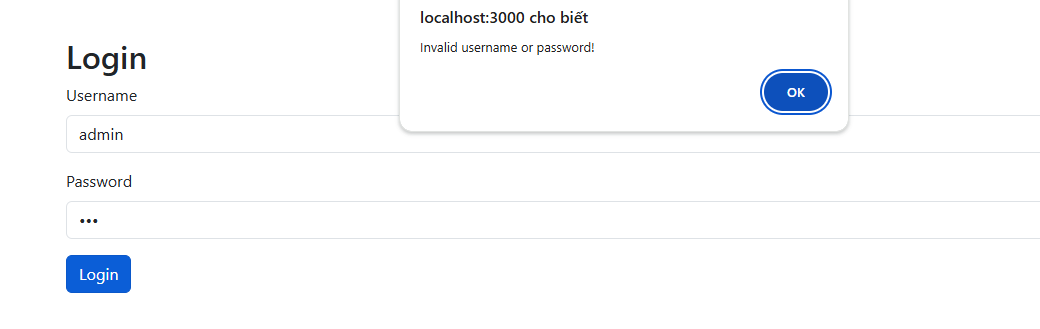
      }

    ]

  }

**3.Create a Login Form.**





Login.js

import React, { useState } from "react";

import { useNavigate } from "react-router-dom";

const Login = () => {

  const [username, setUsername] = useState("");

  const [password, setPassword] = useState("");

  const navigate = useNavigate();

  const handleLogin = async (e) => {

    e.preventDefault();

    const response = await fetch(`http://localhost:5000/UserAccounts?username=${username}&password=${password}&status=active`);

    const data = await response.json();

    if (data.length > 0) {

      alert(`Welcome, ${username}! Login Successful!`);

      navigate("/products");

    } else {

      alert("Invalid username or password!");

    }

  };

  return (

    <div className="container mt-5">

      <h2>Login</h2>

      <form onSubmit={handleLogin}>

        <div className="mb-3">

          <label className="form-label">Username</label>

          <input type="text" className="form-control" value={username} onChange={(e) => setUsername(e.target.value)} required />

        </div>

        <div className="mb-3">

          <label className="form-label">Password</label>

          <input type="password" className="form-control" value={password} onChange={(e) => setPassword(e.target.value)} required />

        </div>

        <button type="submit" className="btn btn-primary">Login</button>

      </form>

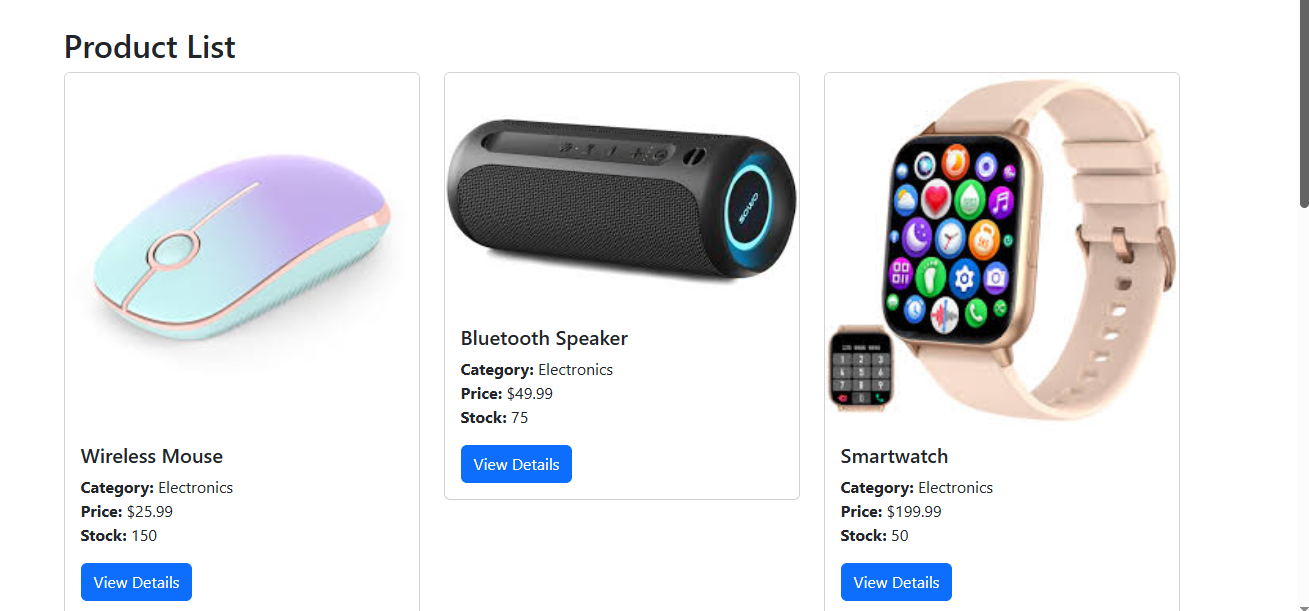
    </div>

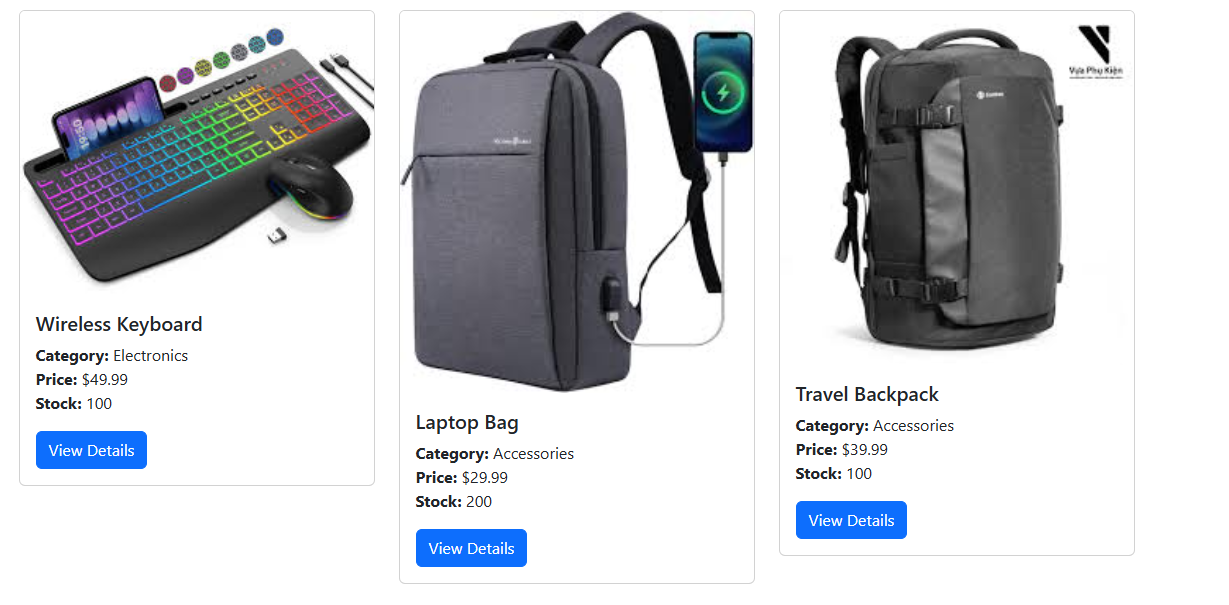
  );

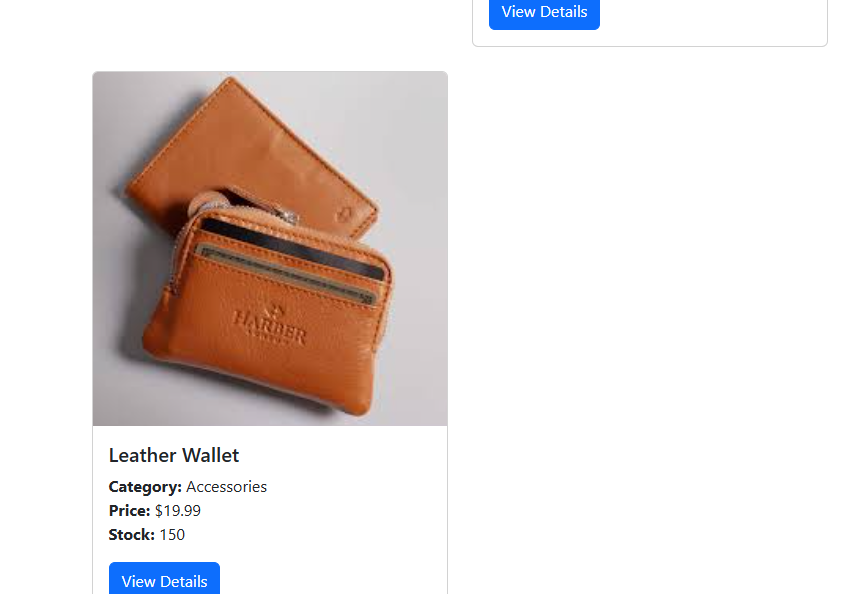
};

export default Login;

**4.Create Laptop Management Form**







Product.js

import React, { useState, useEffect } from "react";

import { Card, Button, Row, Col } from "react-bootstrap";

import { useNavigate } from "react-router-dom";

const Products = () => {

  const [products, setProducts] = useState([]);

  const navigate = useNavigate();

  useEffect(() => {

    fetch("http://localhost:5000/Products")

      .then((response) => response.json())

      .then((data) => setProducts(data));

  }, []);

  return (

    <div className="container mt-5">

      <h2>Product List</h2>

      <Row>

        {products.map((product) => (

          <Col key={product.id} md={4} className="mb-4">

            <Card>

              <Card.Img variant="top" src={product.image} alt={product.name} />

              <Card.Body>

                <Card.Title>{product.name}</Card.Title>

                <Card.Text>

                  <strong>Category:</strong> {product.category} <br />

                  <strong>Price:</strong> {product.price} <br />

                  <strong>Stock:</strong> {product.stock}

                </Card.Text>

                <Button variant="primary" onClick={() => navigate(`/products/${product.id}`)}>

                  View Details

                </Button>

              </Card.Body>

            </Card>

          </Col>

        ))}

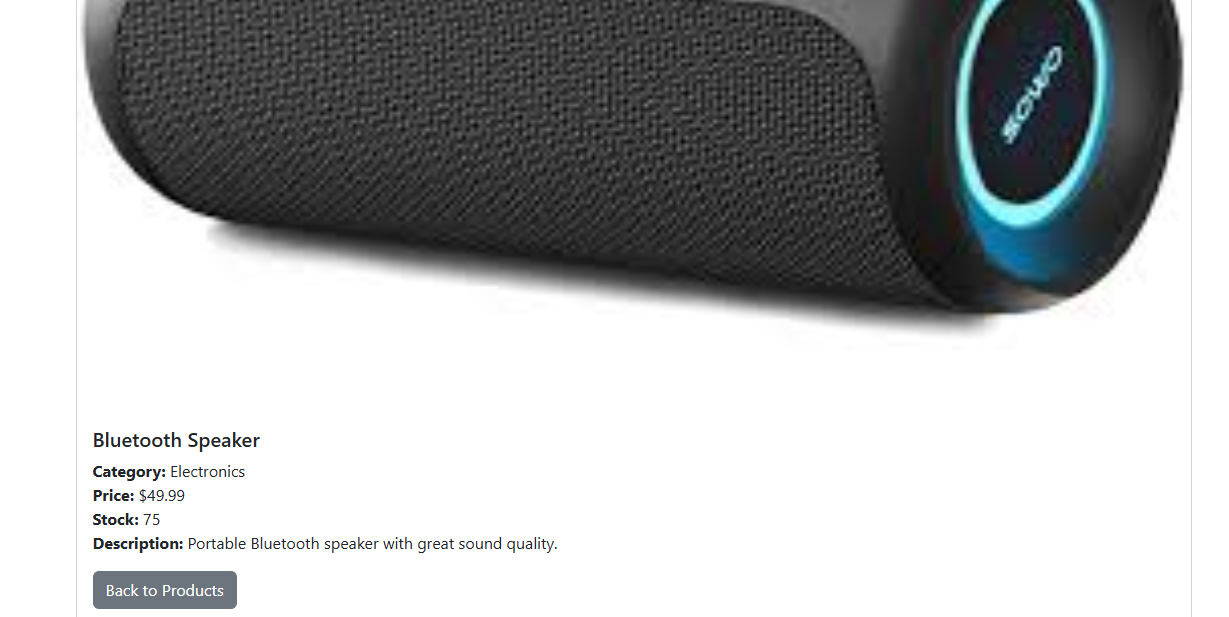
      </Row>

    </div>

  );

};

export default Products;



ProductDetail.js

import React, { useEffect, useState } from "react";

import { useParams, useNavigate } from "react-router-dom";

import { Card, Button } from "react-bootstrap";

const ProductDetails = () => {

  const { id } = useParams();

  const navigate = useNavigate();

  const [product, setProduct] = useState(null);

  useEffect(() => {

    fetch(`http://localhost:5000/Products/${id}`)

      .then((response) => response.json())

      .then((data) => setProduct(data));

  }, [id]);

  if (!product) return <h2>Loading...</h2>;

  return (

    <div className="container mt-5">

      <Card>

        <Card.Img variant="top" src={product.image} alt={product.name} />

        <Card.Body>

          <Card.Title>{product.name}</Card.Title>

          <Card.Text>

            <strong>Category:</strong> {product.category} <br />

            <strong>Price:</strong> {product.price} <br />

            <strong>Stock:</strong> {product.stock} <br />

            <strong>Description:</strong> {product.description}

          </Card.Text>

          <Button variant="secondary" onClick={() => navigate("/products")}>

            Back to Products

          </Button>

        </Card.Body>

      </Card>

    </div>

  );

};

export default ProductDetails;

App.js

import React from "react";

import { BrowserRouter as Router, Routes, Route } from "react-router-dom";

import Login from "./components/Login";

import Products from "./components/Products";

import ProductDetails from "./components/ProductDetails";

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

function App() {

  return (

    <Router>

      <Routes>

        <Route path="/" element={<Login />} />

        <Route path="/products" element={<Products />} />

        <Route path="/products/:id" element={<ProductDetails />} />

      </Routes>

    </Router>

  );

}

export default App;