

Assignment: Build ProductList & ProductDetails Components

Problem Statement

Create a **React application** that fetches product data from <https://dummyjson.com/products> and displays:

1 ProductList Component:

- Fetch and display a list of products with their **thumbnail image, title, and price**.
- Clicking a product should navigate to its details page.

2 ProductDetails Component:

- Fetch and display the selected product's **title, description, price, image, category, brand, rating, and image**.
- Include a "Back to Products" button for navigation.

Requirements:

- ☒ Use **React Router** ([react-router-dom](#)), **Routes, Route, Link** for navigation.
- ☒ Use **Bootstrap** for styling ([card](#), [list-group](#)).
- ☒ Handle **loading state and API errors** gracefully.