Objective

Create a responsive Products Gallery website that fetches and displays products using the Fake Store API.

Requirements

Products Page

1. **Fetch Products**: Use the Fake Store API to fetch a list of products.
   - API Endpoint: https://fakestoreapi.com/products
2. **Display Product Details**:
   - Name
   - Image
   - Price
   - Short Description
3. **Styling**: Use Tailwind CSS or Material-UI for a professional look.

Product Details Page

1. **Navigation**: Clicking a product should navigate to a details page (e.g., /products/[id]).
2. **Display Details**:
   - Product Name
   - Full Description
   - Image
   - Price
   - Category
3. **Dynamic Routing**: Use Next.js dynamic routing to implement this functionality.

Styling

- Ensure consistent layout and design using Tailwind CSS or Material-UI.
- Make sure the app is fully responsive.

Optional Enhancements

1. **Search Bar**: Implement a search bar to filter products by name.
2. **Loading States**: Show loading indicators while fetching data.

Deliverables

1. **GitHub Repository**:
   - Create a public GitHub repository.
   - Include a clear README file with:
     - Project description
     - Instructions on running the project locally
     - Live demo link

Evaluation Criteria

- Correct implementation of features and dynamic routing.
- Proper use of either Tailwind CSS or Material-UI.
- Clean and structured code (reusable components).
- Responsiveness and design quality.
- Clear   documentation   in   the   README.

This task provides a practical learning opportunity to work with Next.js, API integration, and modern UI libraries.