React.js Developer Assignment – Product Viewer

# Objective

Create a React.js application that allows users to log in and view a list of products fetched from the DummyJSON API. The application should present a clean UI/UX, and optionally allow searching, sorting, and social login.

# APIs to Use (from DummyJSON)

• Product API: https://dummyjson.com/products  
• Auth API (dummy): https://dummyjson.com/auth/login  
  
Test Login Credentials:  
{  
 "username": "kminchelle",  
 "password": "0lelplR"  
}

# Requirements

## Authentication

- Login with DummyJSON credentials  
- Store JWT token upon successful login  
- Protect product listing routes  
- Implement logout functionality  
- Bonus: Token expiry handling

## Product Listing Page

- Fetch from: https://dummyjson.com/products  
- Display product cards: name, image, price, rating  
- Show loading state  
- Responsive layout

## Search & Sorting (Optional)

- Search by title  
- Sort by price, rating, or name  
- Client-side filtering

## Code Quality

- Use functional components and hooks  
- Folder structure: components, services, pages, etc.  
- Use .env for base URLs  
- Clean and readable code

# Tech Stack (Recommended)

- React.js (18+)  
- React Router  
- Tailwind CSS or Material UI  
- JWT for authentication  
- Firebase/Auth0 (optional)

# Sample UI Ideas

- Login page with form validation  
- Dashboard with product grid  
- Header with logout and search bar  
- Toast notifications for feedback

# Submission

- GitHub repo with README  
- Include installation instructions and .env file   
- Optional: Screenshots or video