Day 18 – Daily Diary (Training TR-102)

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Topic Covered: MediKart Project – Frontend Setup & Component Creation

◆ **What I Learned Today:**

Day 18 focused on **frontend development** with React. I learned to organize components (Hero.jsx, Navbar.jsx, Footer.jsx, ProductCard.jsx) and pages (Home.jsx, ProductDetails.jsx, Cart.jsx, etc.) and integrate **React Router** for navigation.

We connected frontend with backend APIs using **Axios** and managed state using **AppContext.jsx**. This allowed dynamic rendering of products, cart updates, and user authentication features.

◆ **Activities Performed:**

1. Created frontend folder structure with pages, components, context, and assets.

2. Set up **React Router** for routing between pages.

3. Created reusable UI components: Hero, ProductCard, Navbar, Footer.

4. Configured **AppContext** for global state management (cart, user login).

5. Fetched product data from backend APIs and displayed them dynamically.

6. Implemented add-to-cart functionality using state and context.

7. Styled components using CSS and Bootstrap for a clean UI.

◆ **Skills Gained:**

- Structuring a React project with pages and reusable components.

- Fetching data from backend using Axios and displaying dynamically.

- Using Context API for global state management.

- Implementing routing and navigation in React.

- Combining React components, state, and API integration for functional UI.

Reflection:

Today's session helped me connect **frontend with backend** and understand the flow of data in a MERN stack application. The MediKart project is now interactive, with dynamic product display and cart functionality.