# 🌐 Frontend Architecture – ShopSmart (React)

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## 🔲 Component-Based Structure

- UI built with modular, reusable components.

- Organized into folders like:

/components   → Reusable UI (Navbar, ProductCard)

/pages        → Page views (Home, Cart, Checkout)

/layouts      → Common layouts per role

/services     → API calls (Axios)

/contexts     → Global state (Context API / Redux)

/hooks        → Custom hooks (useAuth, useCart)

/assets       → Images & styles

App.js        → Main component

index.js      → App entry point

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## 🔲 State Management

- **Local state** via useState or useReducer

- **Global state** via:

  - **Context API** (lightweight apps)

  - **Redux/Zustand** (large-scale apps)

- Example: Cart, Auth, Orders

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## 📡 API Communication

- **Axios** or **Fetch** to call Express backend

- Services folder handles all API logic