

## Client Structure – ShopSmart (React Frontend)

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### Functionality Breakdown

- **Components:** Small reusable parts (e.g., Header, ProductCard)
  - **Pages:** Each major screen (e.g., HomePage, ProductPage)
  - **Services:** Modular Axios-based API calls
  - **Contexts:** React Context for auth, cart, and global state
  - **Layouts:** Shared structure for user/admin views
  - **Routes:** Protected and public routing via react-router-dom
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### API Integration

- Uses **Axios** for API requests
  - API logic modularized in /services folder
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### State Management

- React **Context API** + useReducer/useState for managing:
    - Auth (login/logout)
    - Cart items
    - Orders
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### Styling

- **Tailwind CSS** or CSS Modules for modular, responsive styling