

Day 4 - Building Dynamic Frontend Components

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Objective:

On Day 4, the focus is on designing and developing dynamic frontend components to display marketplace data fetched from Sanity CMS or APIs.

Key Learning Outcomes:

1. Building dynamic components to display marketplace data.
2. Creating reusable and modular components.
3. Applying state management techniques.
4. Implementing responsive design principles.

Key Components to Build:

- Product Listing Component
- Product Detail Component
- Category Component
- Search Bar
- Cart Component
- Wishlist Component
- Checkout Flow Component

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- User Profile Component

Frontend Best Practices:

1. Reusable Components: Create modular components to ensure maintainability.
2. State Management: Use React state or Context API for efficient data management.
3. Styling: Use Tailwind CSS for a responsive UI.

Expected Output:

- A functional product listing page with dynamic data.
- A working checkout process with state management.
- Responsive design for mobile and desktop.

Submission Requirements:

- Screenshots of implemented features.
- Key component snippets with API integration.
- Summary of steps taken, challenges faced, and solutions.