



DAY 4 - BUILDING DYNAMIC FRONTEND COMPONENTS FAME MARKETPLACE

Day 3 Recap:

On Day 3, I focused on API integration and data migration to prepare your projects for dynamic data handling. I explored the following key areas:

1. Understanding and testing provided API endpoints.
2. Designing and implementing data schemas in Sanity CMS.
3. Migrating data from external sources, including APIs, to Sanity CMS.
4. Learning how to handle API responses and errors effectively.
5. Ensuring that the data structure aligns with marketplace requirements.

Day 4 - Building Dynamic Frontend Components for Your Marketplace

Objective:

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

Key Components That I have Build:

1. Product Listing Component:

- Render product data dynamically in a grid layout.
- Example layout: cards displaying product details.

2. Product Detail Component:

- Create individual product detail pages using dynamic routing in Next.js.

3. Category Component:

- Display categories dynamically fetched from the data source.

4. Cart Component:

- Display added items, quantity, and total price.
- Use state management for tracking cart items.

5. Checkout Flow Component:

- Create a multi-step form for checkout, including fields for:
 - Billing and shipping address
 - Payment details (mock implementation)

6. User Profile Component(In Progress)

- Display user-specific details like:
 - Name, email, and saved addresses.
 - Order history with links to individual orders.

7. Reviews and Ratings Component(In progress)

- Allow users to view and submit reviews for products.
- Display average ratings and individual reviews dynamically.

8. Pagination Component:

- Break down large product lists into manageable pages.
- Implement previous and next buttons or numbered pagination.

9. Footer and Header Components:

- Build consistent navigation and branding elements.
- Include links to key pages (e.g., Home, About, Contact).
- Ensure responsiveness and accessibility.

10. Notifications Component:

- Show real-time alerts for actions like adding to cart, errors, or successful purchases.
- Use toast notifications or modal windows.

11. Product Comparison Component:

- Allow users to select and compare multiple products side by side.
- Include details like price, features, and ratings.

12. Order Tracking Component(In progress)

- Provide users with real-time updates on their order status.
- Include details like estimated delivery time and current location.

13. Subscription Management Component:

Allow users to subscribe to products or services. (If you don't know how to do it, just add the UI; you may make it dynamic later when you find a way.)

Manage subscription details and renewal dates.

14. Discount and Promotion Component:

- Allow admins to create and manage discounts, coupons, and promotional campaigns.
- Display discounts dynamically on relevant product listings.

15. Bulk Upload Component:

- Allow admin users to upload large amounts of product data via CSV or Excel files.
- Validate data before inserting it into the database.

16. AI Recommendations Component(In Progress)

- Use a basic LLM model to recommend products based on user preferences or purchase history.
- Display recommendations dynamically on the home or product detail pages.