

Documentation: Hackathon Marketplace Website - Day 4 (Next.js & Sanity) By
Arsalan Ahmed

This report details the progress made on Day 4 of development, focusing on search functionality, dynamic product display, the "Add to Cart" feature, and implementation of top category browsing using Next.js and Sanity.

1. Search Functionality:

Implementation: A search bar was implemented using Next.js. Product searches are performed via a GROQ query against the Sanity dataset. Results are displayed dynamically.

Challenges: Optimizing the GROQ query for efficient and relevant search results was the primary challenge.

2. Dynamic Product Display:

Implementation: The existing Sanity product schema was utilized. Products are fetched using a GROQ query and rendered dynamically using JSX and `next/image` for optimized image handling.

Challenges: Correctly handling and displaying image URLs from Sanity required attention.

3. Add to Cart Feature:

Implementation: `localStorage` is used to store cart data. An "Add to Cart" button with event handling was implemented, along with the necessary logic to update the cart. Optional: Consider using React Context for managing cart state in the future for more complex interactions.

Challenges: Ensuring the cart display updates correctly and reflects the current state was the main challenge.

4. Top Categories Implementation:

Implementation: The Sanity category schema was used. Categories are fetched via a GROQ query and rendered dynamically with JSX. Navigation to individual category pages was also implemented.

Challenges: Defining and determining the criteria for "top" categories (e.g., most popular, most recently added) requires further consideration and implementation.