

Hackathon Day 3 Complete!

Today's journey revolved around API integration and data migration-bringing us closer to creating a functional and dynamic backend for the marketplace.

Accomplishments:

- 1. Tested API endpoints using Postman to ensure smooth interactions.**
- 2. Transformed and migrated external API data into Sanity CMS, ensuring flawless backend integration.**
- 3. Enhanced the Sanity schema with new fields like tags, dimensions, and categories while establishing dynamic references between products and categories.**
- 4. Imported product images into Sanity Asset Manager, resolving large file challenges with buffered uploads.**
- 5. Successfully rendered migrated data on the frontend for a complete and functional view.**

Key Learnings:

- Used axios for efficient data fetching and slugify for generating clean, SEO-friendly slugs.**
- Built reusable backend functions to streamline operations like fetching all products, popular items, and product details by slug.**
- Conducted detailed validation checks to handle schema mismatches and maintain data integrity.**

Challenges and Solutions:

- **Large Image Files:** Managed file uploads efficiently using buffered uploads during the migration process.
- **Complex API Fields:** Mapped and transformed data fields accurately to fit the Sanity schema.
- **Batch Requests:** Grouped requests to improve efficiency and ensure error-free imports.

Outcome:

A backend system that's ready to support a dynamic marketplace! The data is seamlessly imported into Sanity CMS Studio and is now live, rendering perfectly on the frontend.

Next Steps:

- **Automate schema validation for added reliability.**
- **Set up detailed logging to monitor and troubleshoot effectively.**
- **Explore real-time data syncing with Sanity webhooks to further enhance system robustness.**