

Design System Architecture

System Architecture Overview

Diagram:

- [Frontend (Next.js)]
- [Sanity CMS] -----> [Product Data API]
- [Third - Party API] -----> [Shipment Tracking API]
- [Payment Gateway]

Components and Roles:

Frontend (Next.js):

1. Display the user interface for browsing products, managing the cart ,and placing order.
2. Handle user interface and communicates with backed services via APIs.

Sanity CMS:

1. Acts as the primary backend to manage product data ,customer details, and order records.
2. Provides APIs for the frontend to fetch and update data.

Product Data API:

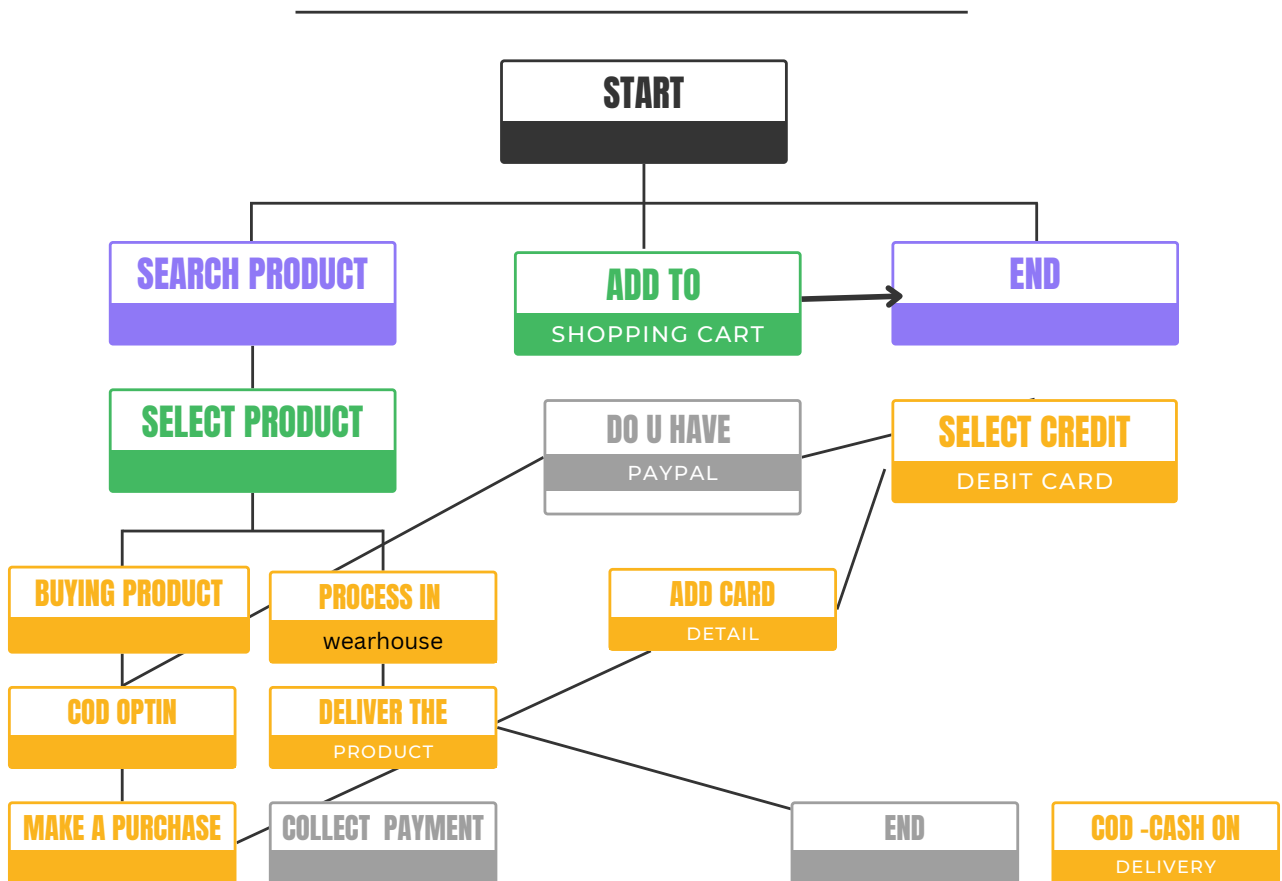
Provides endpoints to fetch product listings, details, and inventory status.

Third-Party APIs:

Integrates services like shipment tracking and payment processing.

Payment Gateway:

Processes user payments securely and provides transaction conformation.



API Endpoints.xlsx

ENDPOINT	METHOD	DESCRIPTION	PARAMETERS	RESPONSE
				EXAMPLE
/API/FURNITURE	GET	FETCH ALL ITEMS	NONE	{ID:1,NAME:
				"CHAIR"}
/API/FURNITURE/ID	GET	FETCH A SINGLE ITEM	ID (PATH)	{ID:1,NAME:
				"CHAIR"}
/API/FURNITURE	POST	ADD NEW ITEM	NAME, PRICE,CATEGORY (BODY)	{SUCCESS:TRUE, ID:5
/API/FURNITURE/ID	PUT	UPDATE ITEM	ID (PATH) , NAME, PRICE (BODY)	{SUCCESS:TRUE}
/API/FURNITURE/ID	DELETE	DELETE ITEM	ID (PATH)	{SUCCESS:TRUE}
/API/ CATEGORIES	GET	FETCH ALL CATEGORIES	NONE	{CATEGORIES: ["WOOD"]}