

DAY 2 PLANNING THE TECHNICAL FOUNDATION

Furniture E-Commerce

Frontend (UI/UX):

- Built for user interaction (Home, Shop, About, Contact, etc.).
- Connects to APIs for product, cart, and order management.

Real-Time Updates:

- WebSocket's for live order status, inventory, and notifications.

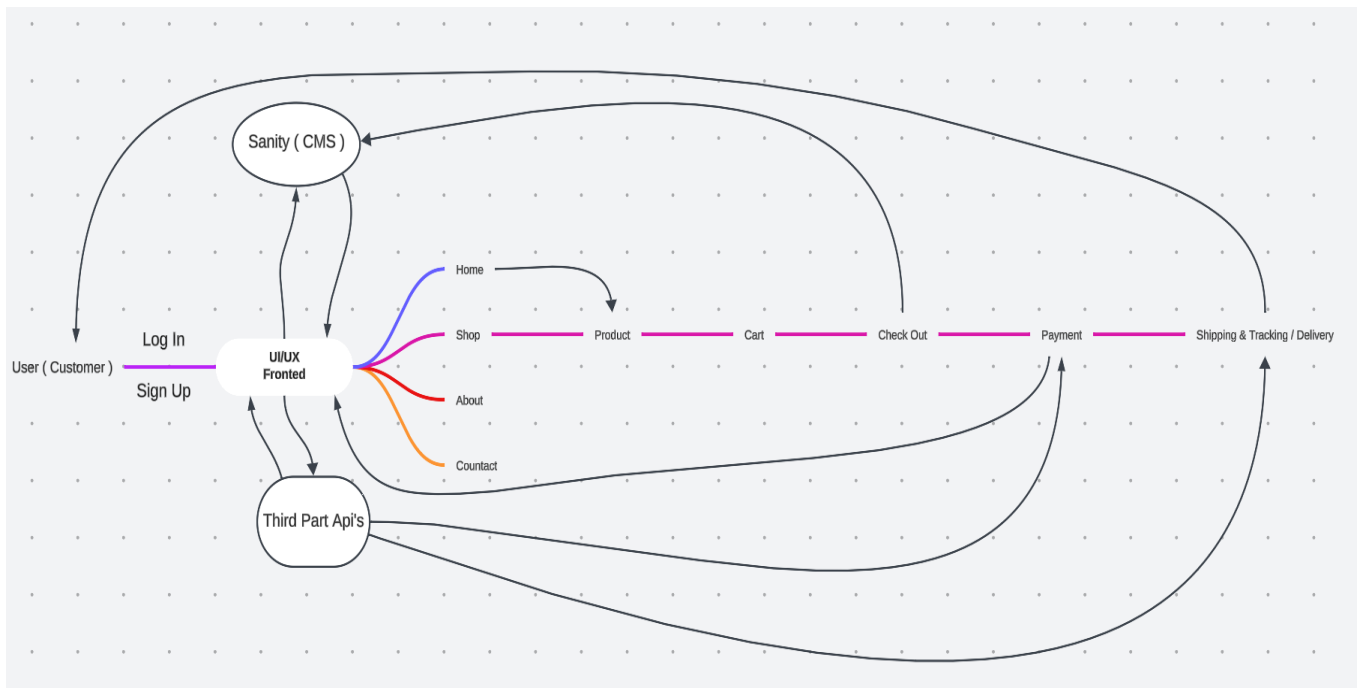
Third-Party APIs:

- Payment Gateway (e.g., Stripe/PayPal).
- Shipping/Tracking APIs (e.g., FedEx/DHL).
- Analytics tools (e.g., Google Analytics).

Endpoint	Method	Purpose	Response Example
/products	GET	Fetch all product details	{ "id": 1, "name": "Product A", "price": 100 }
/orders	POST	Create a new order	{ "orderId": 1234, "status": "Success" }
/orders/{id}	PUT	Update order status	{ "status": "Updated", "message": "Order status updated" }
/orders/{id}	DELETE	Delete an order	{ "status": "Deleted", "message": "Order deleted successfully" }

Sanity Schema:

```
export default {  
  
  name: 'product',  
  
  type: 'document',  
  
  fields: [  
  
    { name: 'name', type: 'string', title: 'Product Name' },  
  
    { name: 'price', type: 'number', title: 'Price' },  
  
    { name: 'stock', type: 'number', title: 'Stock Level' },  
  
    { name: 'image', type: 'image', title: 'Product Image' }  
  
  ]  
  
};
```



Relationship with CMS:

Technical Roadmap:

Personally, I follow a methodical approach when working on a project:

- 1. Review & Guidance:** I start by carefully reviewing the document and seeking guidance. This helps me lay a strong foundation for the task at hand.
- 2. Understanding the CMS Relationship:** The relationship between users and the CMS is crucial. The key elements in the CMS are important for managing connections and interactions. For example, users are linked to products they've ordered, and orders are tied to specific products.
- 3. Document Analysis:** I begin by thoroughly reading the document to extract the key points and major tasks. This helps me understand the scope of the project and its requirements.
- 4. Idea Gathering:** I spend time brainstorming and gathering ideas for each specific topic or task mentioned in the document. This step helps me think creatively and plan effectively.
- 5. Seeking Help When Needed:** If I encounter any challenges during my work, I reach out to a senior student or my team leader for assistance. This ensures that I can overcome obstacles and stay on track.
- 6. Execution:** Once I've completed the necessary preparations, I dive into the actual work, whether it's related to paper/pencil tasks or coding. I follow this systematic approach to ensure productivity and efficiency.