**DAY2 PLANNING THE TECHNICAL FOUNDATION**

**Technical Requirements**

**Frontend Requirements**

1. **User-Friendly Interface**

* Clear navigation with easy-to-use buttons and menus.
* Intuitive design to guide users seamlessly.
* Consistent layout across all pages for a cohesive experience.

**2. Essential Pages**

* **Home Page:** Main page with featured products, highlighting the latest designs

and promotions.

* **Product Listing Page:** Display all products with filters and sorting options for a

personalized shopping experience.

3. **Product Details Page**

* Show full details of a product with ‘Add to Cart ‘ functionality for quick purchase.
* Include customer support contact details for any queries or issues.

**Product Schema**

**Manage all product-related information including name, category, price, stock, and description-**

{

“name”: “product”,

“title”: “product”,

“type”: “document”,

“fields”: }

{

“name”: “name”,

“title”: “product name”,

“type”: “string”

},

{

“name”: “slug”,

“title”: “slug”,

“type”: “slug”,

“description”: “A unique URL-friendly identifier”},

{

“name”: “category”,

“title”: “category”,

“type”: “string”,

}

{

“name”: “price”,

“title”: “price”,

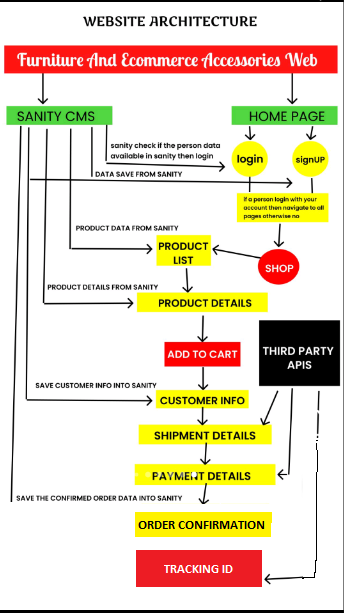
“type”: “number”,

},

“name”: “stock”,

**Third-Party API Integration**

1. **Shipment tracking API Integration:** 
   * + - **Integrate third-party APIs to provide real-time shipment tracking Information.**
       - **Ensure that the shipment Status (e.g. "Shipped, "In Transit", “Delivered') is updated dynamically on the user interface.**
       - **Allow users to track their orders directly from the platform with seamless updates.**
2. **Payment gateway AP1 Integration** 
   * + - **Integrate reliable payment gateway APIs {e.g., 'Easypaisa, Kuickpay) to process customer payments securely.**
       - **Enable multiple payment methods such as credit/debit cards, wallets, and net banking.**
       - **Implement payment confirmation and handling to update customers about the   
         payment status.**
3. **Other Backend Service APIs** 
   * + - **Integrate third-party APIs in manage inventory, product data and customer information**
       - **Use APIs for fraud detection. email/SMS notifications, and customer support services**
       - **Ensure proper error handling and smooth communication between. APIs and frontend**
4. **Frontend Data Handling**
   * + - Ensure that the ApIs provide the necessary data to the frontend for a smooth user experience.
       - Fetch relevant data(e.g. product details, order status, payment status) and display it in real-time.
       - Handle API responses efficiently to minimize delays and provide seamless.

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