

## Define Technical Requirements

- **It's E-commerce Website Name:** Furniro

### Notes:

Project Introduction: Dynamic e-commerce platform.

**Goal:** To promote a fully functional and dynamic e-commerce platform for buying/selling furniture. It must include all required frontend and backend functionalities.

**Safety Measures:** CMS for backend to manage data securely.

**Focus Areas:** Add-to-cart systems, payment integrations, user authentication, product categorization (e.g., tables, chairs), furniture tracking, showcasing dashboards, and office furniture.

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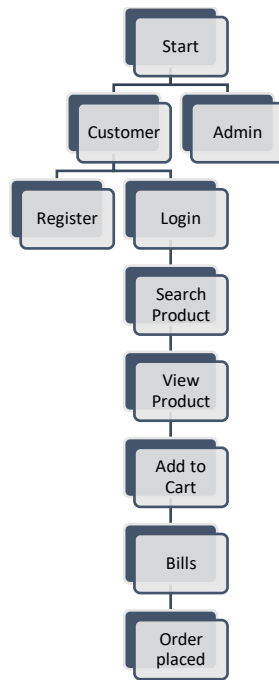
### Frontend Requirements

- User-friendly interface for branding and navigation.
- Responsive design for mobile and desktop.

**Essential Pages:** Home, Product List, Product Detail, Cart, Checkout, and Order Confirmation.

**Safety Measures:** CMS as Backend

- Use a user-friendly CMS to manage product data and customer orders.
- Focus on design to align with the business goals.



### THIRD-PARTY APIs

Integrate APIs for shipment tracking, payment gateways and other required backend services.

Ensure APIs provide the necessary data for frontend functionality.

Front end (Next js)	Sanity CMS
Third Party APIs	Payment Gateway
Product Data API	Shipment Tracking API

### Plan API Requirements:

#### 1. Endpoint: /products

- **Method:** GET
- **Description:** Fetch all available products
- **Response Example:**

```
[  
  {  
    "_id": "prood_001",
```

```
"name": "Wooden Coffee Table",
"description": "A stylish wooden coffee table",
"price": 150,
"image": [
  { "_types": "image", "asset": { "_ref": "image_ref_001", "_type": "reference" } } ],
"material": "wood",
"stock": 25,
"category": "Living Room",
"tags": ["sale", "new arrival"], "reviews": 4.5,
}
]
```

## 2. Endpoint: /order

- **Method:** POST
- **Description:** Create a new order
- **Payload:**

```
{
  "productID": "prod_001",
  "Quantity": 2,
  "totalAmount": 300,
  "OrderDate": "2025-01-16"
}
```

## 3. Endpoint: /payment

- **Method:** POST
- **Description:** Process payment for an order
- **Payload:**

```
{
  "order": {
    "_id": "oder_001",
    "totalAmount": 150,
  },
  "paymentMethod": "Credit Card",
}
```

```
"status": "completed",  
"transactionId": "txn_001",  
"Amount": 300,  
"PaymentDate": "2025-01-16"  
}
```

#### 4. Endpoint: /shipment

- **Method:** GET
- **Description:** Track the shipment status for an order
- **Response Examples:**

```
{  
  "_id": "ship_001",  
  "order": {  
    "_id": "order_001",  
    "totalAmount": 150,  
  },  
  "trackingNumber": "track_001", "status": "In Transit",  
  "estimateDelivery": "2025-01-16"  
}
```

#### 5. Endpoint: /shipment

- **Method:** GET
- **Description:** Fetch all delivery zones and their details
- **Response Examples:**

```
{  
  "_id": "zone_001",  
  "zoneName": "zone_001",  
  "coverageArea": ["City A", "City B",  
  "shippingCost": "001",  
  "carrier": "Carrier",  
  "assignedDriver": "Driver 1"  
}
```

**Sanity CMS Schemas:**

### **[Product]**

- \_id
- Name
- Description
- Image
- Price
- Stock
- Discount price
- Categories
- Tags
- Reviews
- Colors

### **[Order]**

- \_id
- Product ID
- Quantity
- Total Amount
- Order date

### **[Customer]**

- \_id
- Name
- Email
- Phone
- Address

### **[Payment]**

- \_id
- Order
- Payment method

- Status
- Transaction ID
- Amount
- Payment Date

### **[Shipment]**

- \_id
- Order
- Tracking number
- status
- Estimate delivery

### **[Delivery Zone]**

- -id
- Zone name
- Coverage area
- Shipping cost
- Carrier

