

## Day2:Marketplace Technical Foundation – FurniVerse

Our marketplace will be a place to buy great furniture, like sofas, tables, chairs, beds, and more, straight from sellers you can trust. We'll make furniture shopping easier with lots of choices, good prices, and smooth delivery.

### 1. System Requirements:

#### UI Requirements:

- The website will look great and work well on both mobile devices and computers.
- It will be easy to use and visually appealing, with a smooth and seamless experience.

#### Essential Pages:

- Home
- Contact
- Shop
- Product detail page
- Cart Page
- Checkout
- Blog
- Order Confirmation Page

## **2.Sanity CMS as Backend:**

Sanity CMS serves as the backend to handle product information, customer details, and order records.

Here's a detailed schema design for Product, Order, and Customer:

### **PRODUCT SCHEMA:**

```
const productSchema = {
```

```
  name: 'product',
```

```
  title: 'Product',
```

```
  type: 'document',
```

```
  fields: [
```

```
    {
```

```
      name: 'id',
```

```
      title: 'ID',
```

```
      type: 'string',
```

```
    },
```

```
    {
```

```
      name: 'name',
```

```
      title: 'Name',
```

```
      type: 'string',
```

```
    },
```

```
    {
```

```
      name: 'imagePath',
```

```
      title: 'Image Path',
```

```
      type: 'url',
```

```
    },
```

```
  ]
```

```
    name: 'price',
    title: 'Price',
    type: 'number',
  },
  {
    name: 'description',
    title: 'Description',
    type: 'text',
  },
  {
    name: 'discountPercentage',
    title: 'Discount Percentage',
    type: 'number',
  },
  {
    name: 'isFeaturedProduct',
    title: 'Is Featured Product',
    type: 'boolean',
  },
  {
    name: 'stockLevel',
    title: 'Stock Level',
    type: 'number',
  },
  {
    name: 'category',
    title: 'Category',
    type: 'string',
```

```
},  
],  
};
```

```
export default productSchema;
```

## **3. Technical Framework Design:**

### **Step-by-Step Guide**

#### **1. Visitors Arrives on Marketplace**

- A visitor goes to the marketplace website.

#### **2. Login or Sign Up**

- If the visitor isn't logged in, they need to log in or create an account.
- Their login details are checked by a service called Clerk.

#### **3. Authenticate with Clerk**

- The website asks Clerk to verify the user's login details.
- Clerk confirms the user's identity and provides their information.

#### **4. Enter Home Page**

- The verified user is taken to the home page.
- Product information is fetched from Sanity CMS and shown on the page.

#### **5. Browse Products**

- The user looks through the list of products from Sanity CMS.

#### **6. View Product Details**

- When the user clicks on a product, they see more details about it.
- The product details are fetched from Sanity CMS.

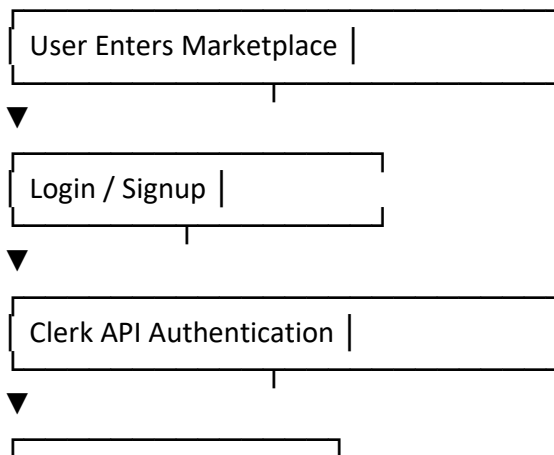
## 7. Add Product to Cart

- The user adds the product to their shopping cart.
- The cart is updated with the new item.

## 8. Place an Order

- The user places their order.
- The order details are sent to Sanity CMS and stored there.

## System Layout



User Home Page |



Browse Products (CMS) |



Product Details Page Open |



Add to Cart |



Place Order (API to CMS) |



Checkout Page |



| Payment Gateway API |



| Order Confirmation (CMS) |



| Track Shipment (API) |



| Create Label (API) | -----> SUCESSFULLY PLACED ORDER!

|