

Hackathone_Day_2

Marketplace Technical Foundation-[CasaCraft]

Technical Requirements:

Frontend:

Homepage: Users land on a homepage which displays Shop , Blog , Contact , search bar , Cart ,Login and Signup . Homepage also displays inspirations , category (style of interior) , some products or client setup pictures.

Product Browsing: User select category , select from furniture display on homepage or use search bar .

Product Details: User clicks on product to view details. Detail page display product name , price , description , category , discounted price , quantity , Image and dimension(size)

Add to Cart: Users add products to cart. It updates dynamically with quantity and price.

Checkout: Users processed to checkout.where user provide name email phone number address and also select payment method and processed to pay.

Backend:

Product Browsing:Fetch and display products from sanity using GROQ query.

Cart Management:Add remove items using local storage and objects .

Order Tracking: Provide tracking to users via ship-engine.

Third party APIs:

| EndPoints | Method | Description |
|------------------|--------|--------------------------------|
| /api/products | GET | Fetch product data from sanity |
| /api/track-order | GET | Track order using ShipEngine |

Sanity Schemes:

```
export default {  
  
  name: "product",  
  
  title: "Product",  
  
  type: "document",  
  
  fields: [  
  
    {  
  
      name: "name",  
  
      title: "Product Name",  
  
      type: "string",  
  
    },  
  
    {  
  
      name: "category",  
  
      title: "Category",  
  
      type: "string",  
  
      options: {  
  
        list: ["Sofa", "Table", "Chair", "Bed", "Wardrobe", "Shelf"],  
  
      },  
  
    },  
  
    {  
  
      name: "price",
```

```
    title: "Price",
    type: "number",

  },
  {
    name: "discountedPrice",
    title: "Discounted Price",
    type: "number",

  },
  {
    name: "quantity",
    title: "Quantity",
    type: "number",

  },
  {
    name: "image",
    title: "Product Image",
    type: "image",
    options: {
      hotspot: true,
    },
  },
```

```
    },  
  
    {  
  
      name: "dimensions",  
  
      title: "Dimensions",  
  
      type: "object",  
  
      fields: [  
  
        { name: "height", title: "Height (cm)", type: "number" },  
  
        { name: "width", title: "Width (cm)", type: "number" },  
  
      ],  
  
    },  
  
    {  
  
      name: "style",  
  
      title: "Style",  
  
      type: "string",  
  
      options: {  
  
        list: ["Classical", "Industrial", "Cottage", "Modern",  
"Minimalist"],  
  
      },  
  
    },  
  
  ],  
  
};
```

System Architecture Diagram:

User Visits Homepage



Browses Categories → Views Product Details]



Adds Product to Cart



Proceeds to Checkout → Fills Billing & Payment Details



Tracks Shipment

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