

Day 2:

Market place Foundation

Introduction:

Our Ecommerce platform aims to provide luxury home decor items including luxury chairs, fancy sofas , and lamps This documents outlines the technical foundation required to build a scale able user friendly marketplace

Technical Requirments

1:Frontened requirements:

2.User friendly interface

3:Responsive Design:Ensure seamless navigation and browsings on mobile tablets and desktop devices.

Essential Pages:

Home

Showcase featured collections , seasonal trends and prominent search bar . Include Section for latest collection , top categories , features products and trending products

About

Highlight the brand story , mission values and what sets your home decor business a part

Contact-us

Provide a contact form for customer inquiries (fields for name , email and messages) . Includes phone numbers , email addresses and a physical address if applicable
Embed a google map for locations

Production listing / Shop

Offer filtering options (e.g by price)

Products Detail

Highlight product features such as a dimensions , materials , variations and care instructions. Provide customer reviews and ratings

Cart:

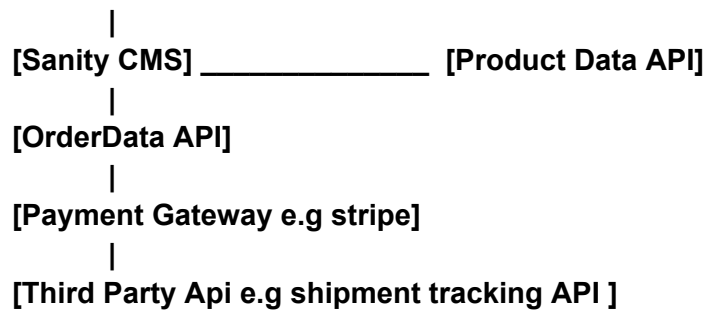
Include an estimated shipping cost calculator

Checkout:

Enable guests checkout and account creation options. Include secure payment fields and shipping address validation.

Diagram

Frontend Nextjs



API requirements

1.Endpoint/products

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

```
[
  {
    "id" : "product-01",
    "name" : "Fancy Chairs",
    "description" : "A stylish and fancy chairs for office",
    "price" : 150 ,
    "images" : [
      { "_type" : "image" , "asset" : { "_ref " : "image-1" "_type" : "reference" } }
    ],
    "category" : "chairs" , "sofas " ,
    "tags" : ["sale" , "new arrival"] ,
    "reviews" : 4.5 ,
  }
]
```

1.Endpoint/order

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

```
{
  "id" : "product-01",
  "quantity" : "Fancy Chairs",
  "total Amount" : "A stylish and fancy chairs for office",
  "order Date" : 150 ,
}
```

Response Example

```
{
  "status" : "success" ,
  "messages" : "order successfully",
  "order" : {
    "_id" : "order-01",
    "product_id" : "product-01",
    "quantity" : 2,
    "totalAmount" : 600,
    "orderDate" : "2025-01-16",
  }
}
```

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