

# Market Technical Foundation-Makeup Store

## Define technical Requirement:

Our e-commerce makeup store provide high quality and authentic makeup products from reputable brands ensuring the competitive prices and providing excellent services.

## Frontend Requirement:

**Framework:** React

**Styling:** Css and Tailwind css for Interactive designing and Responsive design

## Homepage:

banners, featured categories , Recommended products by experts , New arrival and current sale( if any)and deals and bundles

## Product listing page:

Display products with(name price discount(if any) and Image)grid or list according to screen size. Add filtering option

## Aboutpage:

Missions and values and about Store

## **ContactUspage:**

Customer queries form (Name , contact or Email Message)

## **Product Detailed Page:**

It display proper product with Image, tutorial, Name, Price, Discounted price, category brand

Then it show color, size,finish section

Description, tips , Expert Advice, Ingredient & Instructions

Add to cart and wishlist option

## **Cart page:**

Display items with option to adjust quantity and remove item

Order summary and Subtotal

Additional Comment box

Total (Product Amount)

Checkout And Continue Shopping option

## **Checkout And Place order page:**

Delivery form which contain(First name , Last name , Address Apartment ,City ,Postal code phone )

Shipping method with standard shipping and express shipping with days

And I the end it show payment method option

COD

Credit and debit card payment

In last show order summary Cart items with prices

Discount Code box Subtotal shipping Total order place option

## **Backend Requirement:**

**DataBase: Sanity CMS**

### **Product:**

```
const ProductSchema = {  
  name: "product",  
  title: "Products",  
  type: "document",  
  fields: [  
    { name: "name", title: "Name of Product", type: "string"},  
    { name: "images", title: "Product Images", type: "array", of: [{ type:  
"image" } ]}],  
  ]  
}
```

```

{  name: "description", title: "Product Description",  type: "text"},
    {  name: "slug",title: "Product Slug",  type: "slug",  options: {source:
"name"}}
    },
    {name: "price", title: "Price",  type: "number"},

{name: "Discount", title: "DiscountPrice",  type: "number" },

{name: "category", title: "Product Category",  type: "reference",
    to: [{ type: "category" }]
}

{ name: "Reviews", title: "Product Reviews", type: "string" },

{name: "Stock",  title: "Product Stock" ,type: "number"},
{  name: "Brand", title: "Product Brand",  type: "String" },
{  name: "productColor",  title: "Product Colors",  type: "array"
    of: [{type: 'string'}]
    options:{
        layout: 'tags'
    }
    Description:'add colors'
},

```

```

{
  name: "productsize",
  title: "Product sizes",
  type: "array"
  of: [{type: 'string'}]
  options:{
    layout: 'tags'
  }
  Description:'add sizes'
},
{ name: "Brand",  title: "Product Brand",  type: "String" },
{  name: "productAdvice",  title: "product expert advice", type:
  "String"},
]
}

```

### **Customer:**

```

{ name: "FristName",title: "First Name", type: "String"},
{ name: "LastName", title: "Last Name",  type: "String"},
{ name: "Contact" title: "phone",    type: "String"},

```

```
{  name: "Email", title: "Email", type: "Email"
},
```

```
{name: "Address", title: "Address", type: "String" },
```

### **Order:**

```
{ name: "id", title: "product-id",type: "String"},
```

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

```
{ name: "totalamount", title: "total Amount", type: "string"}
```

```
{name: "orderdate", title: "order Date", type: "number"},
```

### **Shipment:**

```
{ name: "id", title: "shipment-id",type: "String"},
```

```
{name: "Order_id",title: "Order_id", type: "string" },
```

```
{ name: "Status", title: "Order status", type: "string"}
```

```
{name: "expectDate", title: "Expected-Date", type: "number"},
```

### **Delivery zone:**

```
{ name: "id", title: "Zone_id",type: "String"},
```

```
{name: "zoneName",title: "Zone_Name", type: "string" },
```

```
{ name: "postalcode", title: :”Postal code”, type: “string”}
{ name: "city", title: :”City”, type: “string”}
```

### **Payment:**

```
{ name: "id", title: "payment_id",type: "String"},
{name: "order_id",title: :”order_id”, type: "string" },
{name: paymentmethod",title: :”payment Method ", type: "string" },
{name: "date: “title:”paymentDate”, type: "string" },
{name: "amount: "Amount", type: "string" },
```

### **Design system structure:**

\_Shipment Tracking Api : handle real time delivery

Payment Gateway Api :handle transctions

### **Design system structure:**

#### **Key workflow**

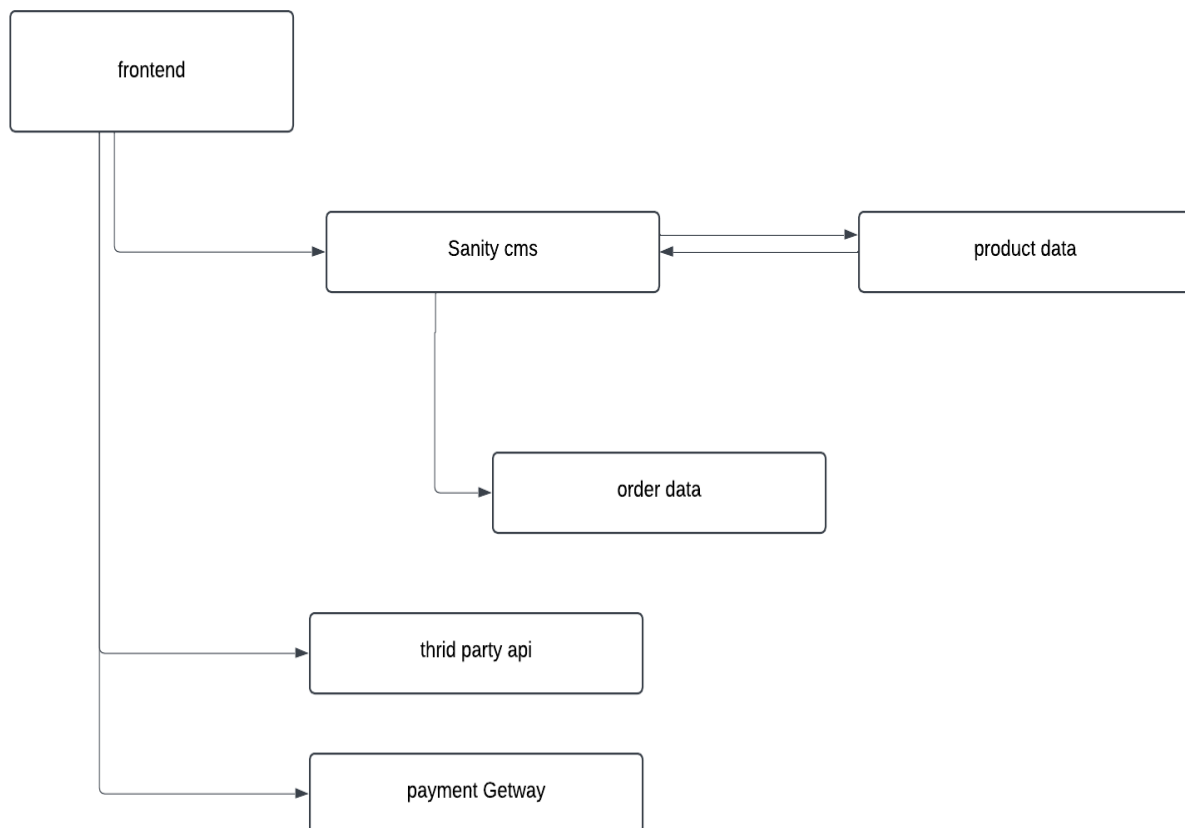
- 1.User visit frontend user request
2. fetch product data from sanity cms
- 3.and then display data dynamically

#### **ORDER PLACEMENT:**

When user add item in cart and checkout order details are sent to sanity cms

## THIRD PARTY APIS

process and the payment confirm transaction from gateway payment api  
fetch real time shipment status in frontend Display the shipment status



## Plan Api requiriments:

**Endpoint Name:** /product

**Method:** Get

**Description:** Fetch all products data from Sanity.



```
{  
  "products": [  
    {  
      "_id": "product-id-1",  
      "name": "Matte Liquid Lipstick - Red",  
      "price": 25.00,  
      "image": {  
        "asset": {  
          "_ref": "image-asset-id"  
        }  
      },  
      "stock": 10,  
      "slug": "matte-liquid-lipstick-red"  
    },  
    {  
      "_id": "product-id-2",  
      "name": "Luminous Foundation - Light",  
      "price": 35.00,  
      "image": {  
        "asset": {  
          "_ref": "image-asset-id"  
        }  
      },  
    },  
  ],  
}
```

```
      "stock": 5,  
      "slug": "luminous-foundation-light"  
    },  
  
  ],  
  "pagination": {  
    "currentPage": 1,  
    "totalPages": 5,  
    "perPage": 10,  
    "totalResults": 50  
  }  
}
```

**ENDPOINT/ ORDER****METHOD: post****DESCRIPTION : create new order****PAYLOAD:**

```
{  
  "orderId": "order-id-abc123",  
  "message": "Order created successfully."  
}
```

**ENDPOINT/SHIPMENT****METHOD: get****DESCRIPTION: track order status**

**REPOSE:**

```
{  
  "shipmentId": "shipment-123",  
  "orderId": "order-abc123",  
  "status": "In Transit",  
  "expectedDeliveryDate": "2024-12-25"  
}
```

**Explain the diagram**

The user interacts with the **Frontend**.

The **Frontend** fetches products data from the **Sanity CMS** and displays it to the user.

When a user performs actions like signing up, placing an order data is sent to the **Sanity Data Base**.

The system interacts with **Third-Party APIs** for functionalities like payment processing, shipping, and email delivery.

The **Sanity Data Base** stores and manages data related to users, orders, and other aspects of the system.



