

Technical Requirement for Furniture

E-Commerce Marketing

1. Frontend Requirements:

This is a user friendly interface intuitive browsing with clear navigation

2. Responsive design:

Seamless experience across mobile and desktop device

3. Essential Pages:

- I. Home
- II. Products
- III. Pages
- IV. Cart
- V. Checkout
- VI. Order Confirmation
- VII. About
- VIII. Faq
- IX. Contact.

Backend Environment (Sanity CMS)

Contact Management:

Manage product data, customer's detail and Catagories

Third Party APIs

- i. Payment gateway:
Secure integration for transaction processing,
- ii. Shipment Tracking:
Enable orders tracking for customers.

Tech Stack:

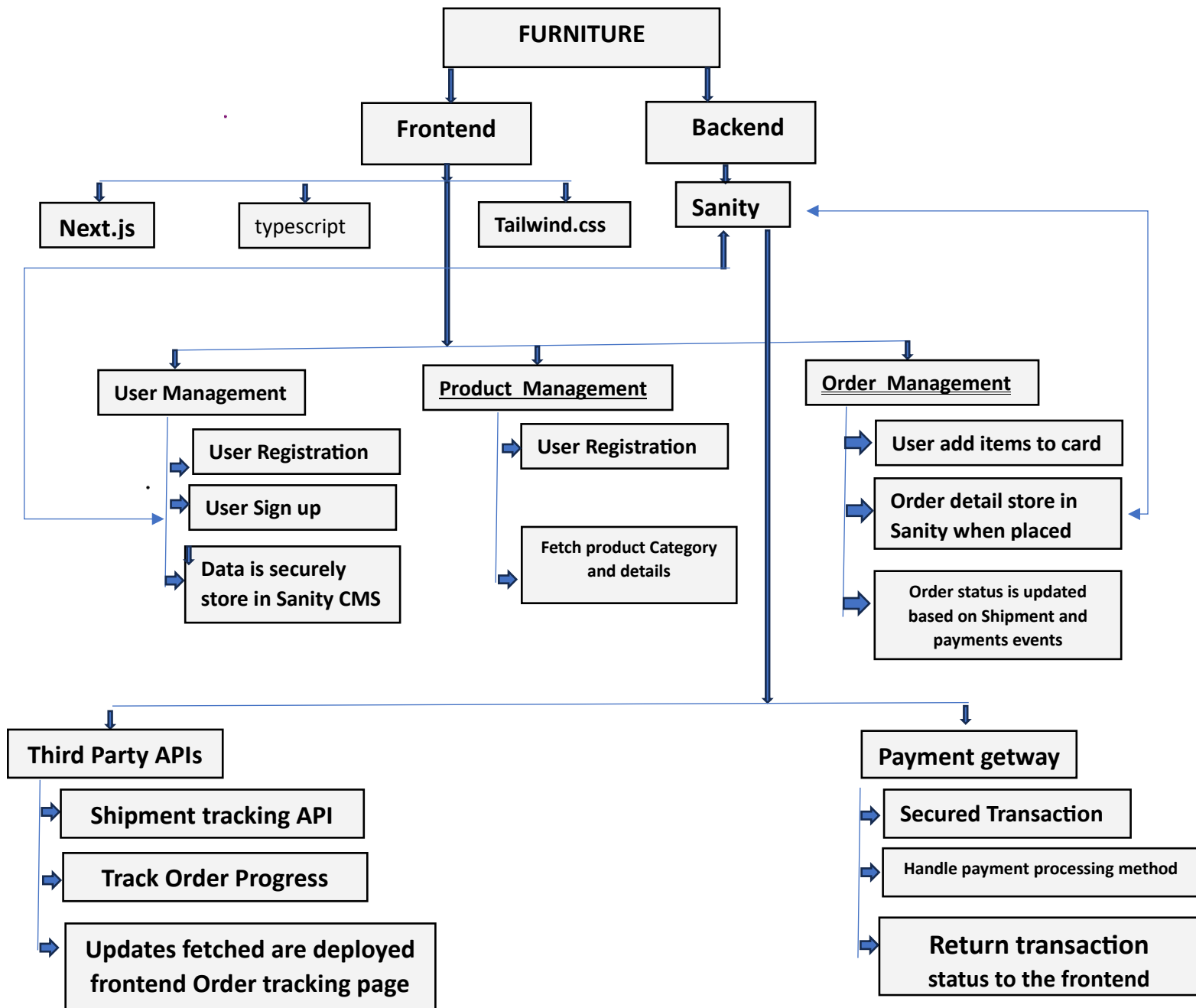
❖ Frontend:

Next.js , Typescript , Tailwind.css

❖ Backend:

Sanity CMS

SYSTEM ARCHITECHER VISUALIZED



Detailed API requirement API Discounted

Product browsing:

User Action

User views available products.

API request

Get products

API response

List of products with detail like name, price image and stock.

Example:

[

{*id.1."name": "library Chair", "price":200, "image", "stock": 100}

]

Sanity Schemas

Product Schema:

```
export default{
  name:"product",
  type:"document",
  title:"product",
  fields[
    {name:"name".type:"string" title: "product Name" },
    {name:"description".type:"text" title: "document" },
    {name:"price".type:"number" title: "price" },
    {name:"image".type:"image" title: "product image" },
    {name: "category",
      type: "reference",
      to:[{type: "category" } ],
      title: category,
    }
  ]
}
```

Order Schema:

```
export default{
  name:"order",
  type:"order",
  title:"order",
  fields[
    {name:"orderId".type:"string" title: "order ID" },
    {name:"customer".type:"reference" title: "Customer" },
    {name:"product",
      type:"Array",
      of:[ {
        title: "object",
        fields[
          {name:"product".type:"reference" title: "product " },
          {name:"quantity".type:"number" title: "quantity " },
        ]
      }
    ],
    title: "product"
  ],
  {name:"totalamount".type:"number" title: "Total Amount " },
  {name:"status".type:"string" title: "status "options:{list['pending','shipped','delived' ]} },
  {name:"createdAt".type:"datetime" title: "order date " },
}
{
```

Customer Schema

```
export default{
  name:"costomer",
  type:"document",
  title:"Costomer",
  fields[
    {name:"name".type:"string" title: "Costomer Name" },
    {name:"emai;".type:"string" title: "Email" },
    {name:"contactnumber".type:"string" title: "Contact Number" },
    {name:"address".type:"text" title: "Address" },
  ]
},
```

Category Schema

```
export default{
  name:"category",
  type:"document",
  title:"Category",
  fields[
    {name:"name".type:"string" title: "Costomer Name" },
    {name:"title;".type:"string" title: "Category Title" },
    {name:"description".type:"text" title: "Description" },
  ]
},
```

Name: Faiz Bano Roll No. 00418078 Slot: Sunday 9-12