

Date:- 16/01/2024 PREPARED BY:-

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PLANNING THE TECHNICAL FOUNDATION

FURNITURE ECOMMERCE WEBSITES

1) DEFINE TECHNICAL REQUIREMENT

2) FRONT-END DEVELOPMENT:

The frontend is the user-facing side of website, where customers interact with the interface.

HomePage:- Display product, categories and promotional banners.

ShopPage:- list all furniture products with filtering and sorting option.

Product Page:- Show product details, including colors, sizes and multiple images.

Checkout Page :- Allows users to enter shipping details and payment process.

Comparison Page :- Enable users to compare different furniture item based on attribute.

Blog Page :- Contains articles and guides about furniture trends, tips and advice.

Contact Page :- A form for customers inquiries, location details & support options.

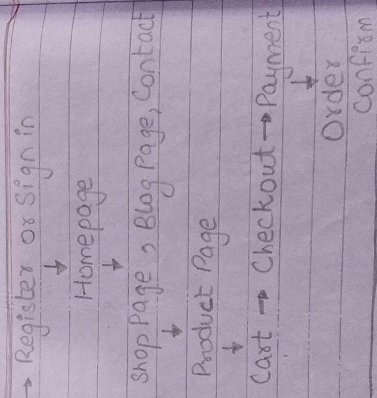
• BACKEND DEVELOPMENT (SANITY)

Backend handles data management, API interaction and business logic.

SANITY (HEADLESS CMS) :-

- Stores product details (name, price, description, images etc)
- Stores user profiles and

User flow:-



EXAMPLE:-

SCHEMA (PRODUCT.TS)

```
export default {  
  name: "product",  
  type: "document",  
  title: "Product",  
  fields: [  
    { name: "name", type: "string", title: "Name" },  
    { name: "price", type: "number", title: "Price" },  
    { name: "descrip", type: "text", title: "Descrip" },  
    { name: "quantity", type: "number", title: "Quantity" },  
    { name: "images", type: "string", title: "Image",  
      source: { options: { hotspot: true } }  
    }  
  ]  
}
```

• THIRD PARTY API :-

~~Shipment Tracking API :- Processes secure~~

~~payment (Paypal, Stripe, EasyPay)~~

• Payment Gateway :- Processes secure

payment (Paypal, Stripe, EasyPay etc)

SYSTEM ARCHITECTURE

