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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)

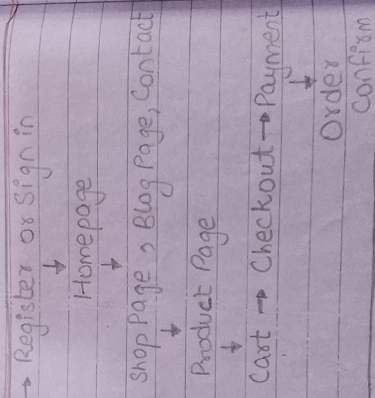
Backend handles data management, API interaction and business logic.

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, Easy)~~
- Payment Gateway:- Processes secure payment (Paypal, Stripe, Easy, etc)



# SYSTEM ARCHITECTURE

