HACKATHON DAY 2

TECHNICAL PLAN FOR FURNITURE WEBSITE

1. Define Technical Requirements:

Marketplace Technical Foundation - [Avion Furniture Store]:

Website Type: Niche E-commerce

Target Audience: Homeowners, interior designers, People looking for furniture

Avion is a niche e-commerce platform offering high-quality furniture and home décor, catering to homeowners, interior designers, and furniture seekers. It provides a curated selection of stylish and functional pieces to help customers create their ideal living spaces.
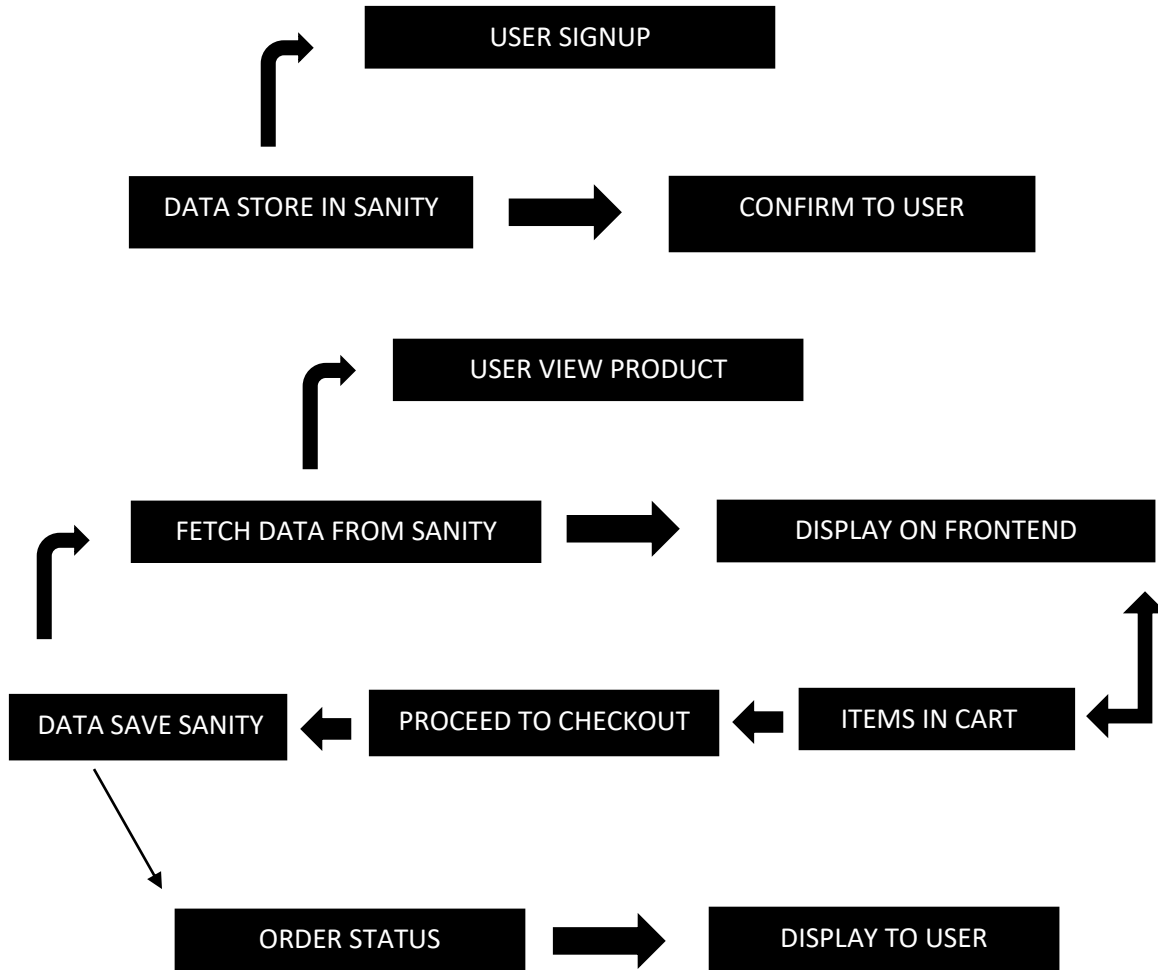
✓ Frontend Requirements:

Essential Pages => Home, Product Listing, Product Details, Cart, Checkout, and Order

Example => Home Page

Navigation Links => Home About Contact => For Smooth Navigation

⬇

Hero Section

⬇

Product List

⬇

Footer

✓ Sanity CMS as Backend:

SANITY STORE DATA	➡	PRODUCT API	➡	DISPLAY ON WEB

2. Design System Architecture:

```
                    ┌──────────────────────┐
              ┌───► │     USER SIGNUP       │
              │     └──────────────────────┘
              │
┌──────────────────────┐        ┌──────────────────────┐
│  DATA STORE IN SANITY │  ───►  │    CONFIRM TO USER    │
└──────────────────────┘        └──────────────────────┘


                      ┌──────────────────────┐
                ┌───► │   USER VIEW PRODUCT    │
                │     └──────────────────────┘
                │
    ┌──────────────────────┐        ┌──────────────────────┐
    │ FETCH DATA FROM SANITY│  ───►  │  DISPLAY ON FRONTEND  │
    └──────────────────────┘        └──────────────────────┘

┌──────────────────┐   ┌──────────────────────┐   ┌──────────────────┐
│ DATA SAVE SANITY │◄──│ PROCEED TO CHECKOUT  │◄──│   ITEMS IN CART   │
└──────────────────┘   └──────────────────────┘   └──────────────────┘
         │
         ▼
    ┌──────────────────┐        ┌──────────────────────┐
    │   ORDER STATUS    │  ───►  │   DISPLAY TO USER     │
    └──────────────────┘        └──────────────────────┘
```

SANITY SCHEMA

```
User {
userId: "1",
name: "name",
type: "string",
email: "email",
password: "password"
},
```

```
Product {
productId: "1",
name: "name",
description: "description",
images: "images",
price: "price"
stock: "items available"
},
```

```
Order {
orderId: "1",
username: "name",
productId: "3",
images: "images",
price: "price"
quantity: "2"
},
```

```
Payment {
userId: "1",
name: "name",
pay: "credit, paypal"
password: "password"
},
```

```
ShippingAddress {
userId: "1",
name: "name",
city: "karachi"
zipcode: "xyx123"
},
```

```
Reviews {
userId: "1",
productId: "3",
rating: "123"
comment: "text"
},
```

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