Day 2 Technical Planning

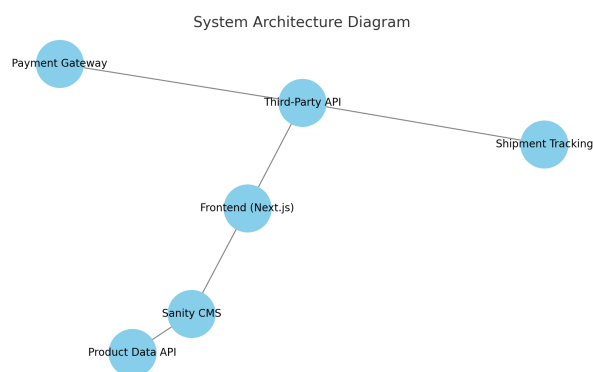## 1. Technical Requirements

Frontend Components:

- Homepage: Users ko welcome karne ke liye ek landing page.

- Product Listing: Sab products ko list karne ke liye.

- Cart: Users apni selected items checkout karne se pehle dekh sakte hain.

- Checkout Page: Payment aur order confirmation ke liye.

Backend Tools:

- Sanity CMS: Products aur orders ko manage karne ke liye.

- Third-party APIs:

  - Payment Gateway integration.

  - Shipment Tracking ke liye services.

2. System Architecture Diagram

Diagram: Frontend, Sanity CMS, Product APIs, and Third-Party APIs interconnected.

System Architecture Diagram

3. API Requirements

Endpoints:

- /products:

- Method: GET

- Purpose: Products ki details fetch karna.

- /add-to-cart:

  - Method: POST

  - Purpose: Cart mein product add karna.

- /checkout:

  - Method: POST

  - Purpose: Payment process aur order details bhejna.

API Schema Example:

```
export default {

  name: 'product',

  type: 'document',

  title: 'Product',

  fields: [

    { name: 'name', type: 'string', title: 'Product Name' },

    { name: 'price', type: 'number', title: 'Price' },

    { name: 'description', type: 'text', title: 'Description' },

    { name: 'image', type: 'image', title: 'Product Image' },

    { name: 'stock', type: 'number', title: 'Stock Quantity' },

  ],

}
```

4. Documentation

System Workflow:

1. Frontend (Next.js): UI components banayenge jo user interact karenge.

2. Sanity CMS: Products aur orders ki management yahan hogi.

3. Third-party APIs: Payment aur shipment ke liye services integrated hongi.

API Documentation:

- APIs ke endpoints aur methods likhe gaye hain.

- Sanity CMS schema ka example diya gaya hai.