

# Hackathon 3

Day 2

MarketPlace Technical Foundation

MarketPlace Name: **Dabbe Me Dabba**

## 1. Technical Requirements

### Frontend:

Nextjs, HTML and TailwindCSS

### Content Management System:

SANITY

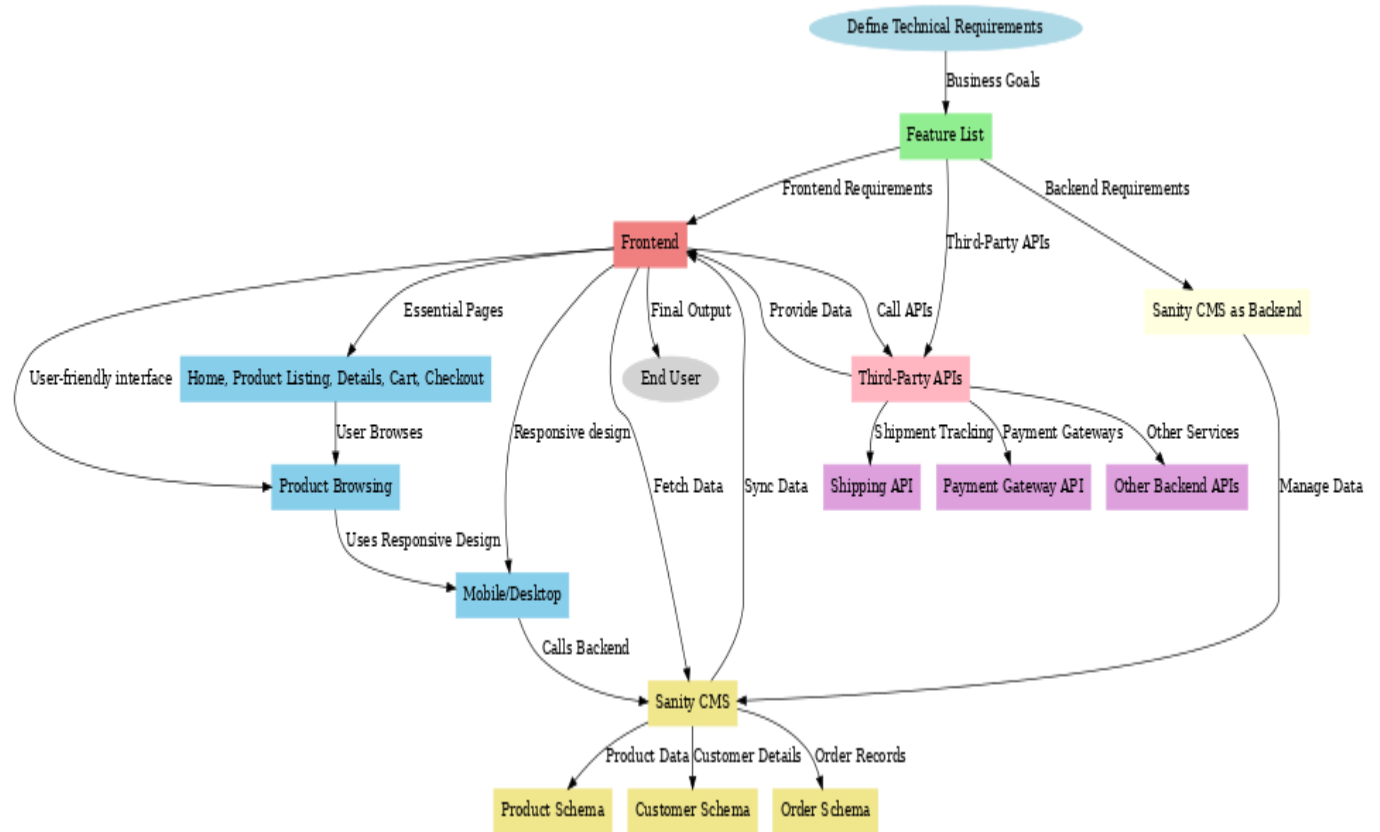
### API

**Products API:** Will create my personal products API

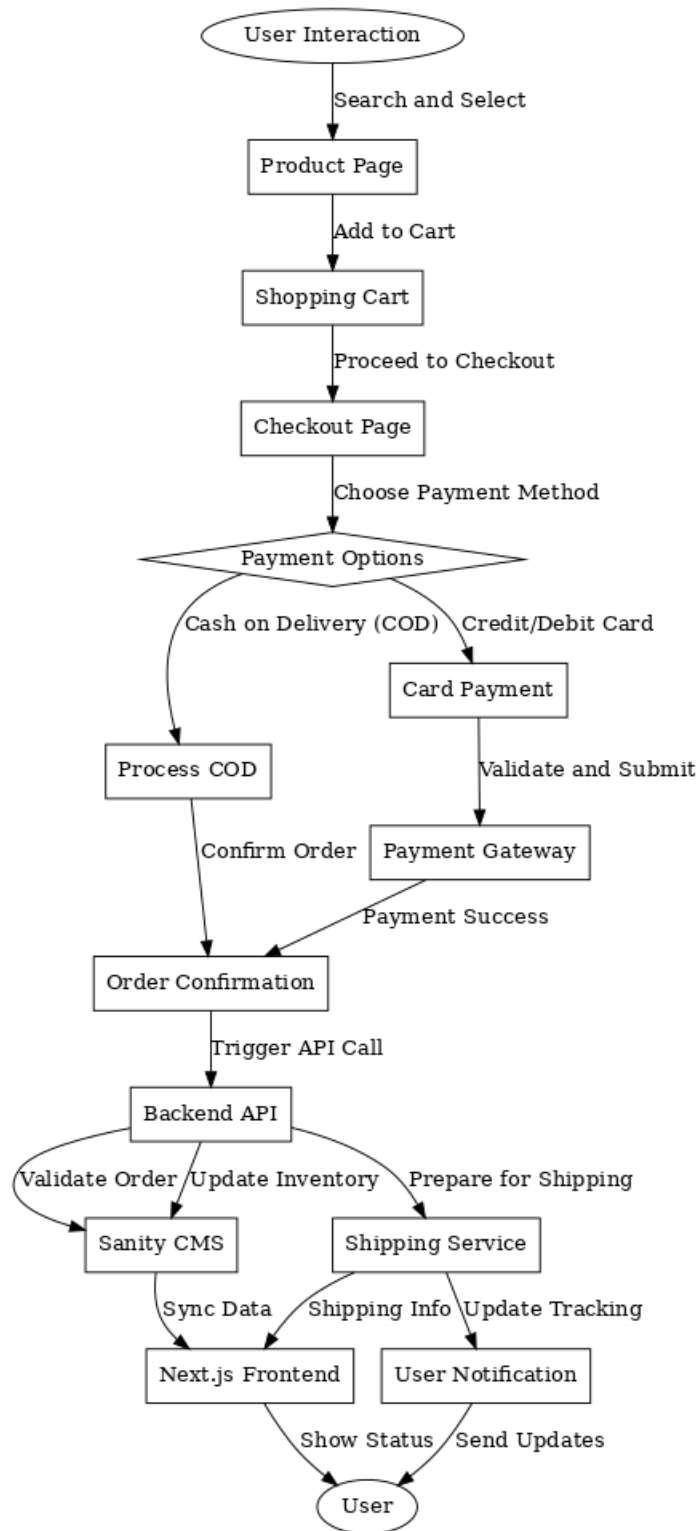
**Shipment API:** Will Use Leapards Courier Service API

**Payment API:** Will use Easypaisa and Jazzcash as mostly users don't have bank accounts and these companies provide smooth online transactions.

# Technical Requirements Flow Chart



## 2. System Architecture Flow Chart



### 3. API END POINTS

Endpoint Name	HTTP Method	Description	Response Example
Get Product List	GET	Fetch a list of available products	{"products": [{"id": 1, "name": "Gift Box", "price": 20.00}]}
Get Product Details	GET	Fetch details of a specific product using its ID	{"id": 1, "name": "Gift Box", "details": "... "}
Add to Cart	POST	Add a product to the user's cart	{"success": true, "cartId": 12345}
Get Cart Details	GET	Fetch the details of the user's current cart	{"cart": [{"productId": 1, "quantity": 2}]}
Process Checkout	POST	Process the checkout for the current cart	{"orderId": 67890, "status": "Processing"}
Payment Gateway	POST	Initiate payment via the selected payment gateway	{"paymentStatus": "Success"}
Shipping Tracking	GET	Fetch shipping tracking details for a specific order	{"trackingInfo": {"carrier": "UPS", "status": "In Transit"}}
Update Order Status	PUT	Update the status of an order (e.g., shipped, delivered)	{"success": true, "updatedStatus": "Shipped"}
User Authentication	POST	Authenticate user login credentials	{"token": "abcd1234"}

## 4. SCHEMA

```
// sanity/schemas/product.js
export default {
  name: 'product',
  title: 'Surprise Goodies',
  type: 'document',
  fields: [
    {
      name: 'name',
      title: 'Gift Box Name',
      type: 'string',
      description: 'Shahi Surprise - A regal box filled with luxurious treats and exclusive gifts.',
    },
    {
      name: 'description',
      title: 'Box Description',
      type: 'text',
      description: 'Describe the fun and mystery of the gift box',
    },
    {
      name: 'price',
      title: 'Price',
      type: 'number',
      description: 'The price of this surprise gift box.',
    },
    {
      name: 'image',
      title: 'Product Image',
      type: 'image',
      description: 'A delightful image of the gift box to attract customers!',
    },
    {
      name: 'category',
      title: 'Category',
      type: 'string',
      description: 'What type of surprise is this? (e.g., Birthday, Anniversary, Just Because)',
    },
  ],
};
```

```
// sanity/schemas/customer.js
export default {
  name: 'customer',
  title: 'Mystery Shoppers',
  type: 'document',
  fields: [
    {
      name: 'name',
      title: 'Customer Name',
      type: 'string',
      description: 'The name of our adventurous customer.',
    },
    {
      name: 'email',
      title: 'Email Address',
      type: 'string',
      description: 'Contact information for updates and surprises!',
    },
    {
      name: 'address',
      title: 'Shipping Address',
      type: 'text',
      description: 'Where should the mystery box be delivered?',
    },
  ],
};
```

```
// sanity/schemas/order.js
export default {
  name: 'order',
  title: 'Mystery Orders',
  type: 'document',
  fields: [
    {
      name: 'orderId',
      title: 'Order ID',
      type: 'string',
      description: 'A unique ID for this order.',
    },
    {
      name: 'customer',
      title: 'Customer',
      type: 'reference',
      to: [{ type: 'customer' }],
      description: 'Who is this order for?',
    },
    {
      name: 'products',
      title: 'Ordered Products',
      type: 'array',
      of: [{ type: 'reference', to: [{ type: 'product' }] }],
      description: 'Which surprise boxes are in this order?',
    },
    {
      name: 'status',
      title: 'Order Status',
      type: 'string',
      options: {
        list: ['Pending', 'Processing', 'Shipped', 'Delivered'],
      },
      description: 'Track the status of this order.',
    },
  ],
};
```

```
// sanity/schemas/shipment.js
export default {
  name: 'shipment',
  title: 'Delivery Dash',
  type: 'document',
  fields: [
    {
      name: 'trackingNumber',
      title: 'Tracking Number',
      type: 'string',
      description: 'The shipment tracking number.',
    },
    {
      name: 'carrier',
      title: 'Carrier',
      type: 'string',
      description: 'Which shipping service is handling this package?',
    },
    {
      name: 'status',
      title: 'Delivery Status',
      type: 'string',
      options: {
        list: ['In Transit', 'Out for Delivery', 'Delivered', 'Lost'],
      },
      description: 'Where is the surprise box right now?',
    },
    {
      name: 'order',
      title: 'Associated Order',
      type: 'reference',
      to: [{ type: 'order' }],
      description: 'Which order is this shipment linked to?',
    },
  ],
};
```