

Day 1: Business Focus Outcome Checklist

Objective : Define the business foundation of your marketplace

BusinessGoals

1-Our Target audience is Online Shoppers , fashion Euthusiast , Small business and Middleclass people

2-We offer products like casual , formal , party and Gym wear

3- We offer services like Easy returns and exchange , Fast Delivery , Personalized clothing options

4-Trendy and stylish clothes at budget friendly rates

5-Local payments like Easypaisa , Jazzcash etc

6-Personalized clothing choices for unique styles

MarketResearch

1-Our Marketplace offers everything in one place

2-Limited products variety in store

3-Trending clothing at affordable prices

Data Schema Draft

User

Id

Name

Email

Password

Role

Address

Phone Number

Seller

Id

User id

Store Name

Email

Products

Id

Name

Price

Category

Stock

Seller id

Orders

Id

User id

Zone id

Order status

Order Date

Orders Details

Id

Order id

Product id

Quantity

Price

Payments

Id

Order id

Amount

Payment Method

Payment Status

Delivery Zones

Id

Zones name

City

Delivery Charges

Estimated Delivery Time

Seller Delivery.

Zone

Seller id

Zone id

Relationship of Data Schema

User1 → Orders

User1 → 1 seller

Seller1 → Products

Orders1 → Orderdetails → 1products

Order1 → 1 Payments

Orders → 1 Delivery zone

Seller → Delivery Zones

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Users (UserID) —< Orders (OrderID) —< OrderDetails >—— Products (ProductID)

| | |

Sellers (SellerID) Payments (PaymentID) Categories (CategoryID)

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SellerDeliveryZone >—— DeliveryZones (ZoneID)



Day 2: Technical Planning Outcome Checklist

Objective : Transition to the technical foundation for your marketplace

TechnicalPlans

Frontend Requirements

User-friendly Interface: Provide an easy navigation experience for browsing

Responsive Design: Ensure the design adapts seamlessly for mobile, tablet, and desktop devices

Essential Pages

- Home
- Product Listing
- Product Details
- Cart
- Checkout
- Order Confirmation

Sanity CMS as Backend

Sanity CMS: Use Sanity CMS to manage product data, customer details, and order records

Third-Party APIs

API Integration: Integrate third-party APIs for shipment tracking, payment gateways, and backend services.

Data Requirements: Ensure APIs provide the necessary data for frontend functionalities (order tracking, payment status, etc.)

Workflows

User Registration: User signs up → Data stored in Sanity → Confirmation sent to user

Product Browsing: User browses categories → Product data fetched from Sanity API → Displayed on the frontend.

Order Placement: User adds products to cart → Proceeds to checkout → Order saved in Sanity.

Shipment Tracking: Order updates fetched via third-party API → Displayed in real-time

API Requirements

1. User Management

Endpoint: /users

Method: POST

Description: Registers a new user

Endpoint: /users/{userId}

Method: GET

Description: Fetches the details of a user.

Endpoint: /users/{userId}

Method: PUT

Description: Updates an existing user's information.

Endpoint: /users/{userId}

Method: DELETE

Description: Deletes a user from the system.

2. Seller Management

Endpoint: /sellers

Method: POST

Description: Registers a new seller.

Endpoint: /sellers/{sellerId}

Method: GET

Description: Fetches the details of a seller.

Endpoint: /sellers/{sellerId}

Method: PUT

Description: Updates a seller's information.

Endpoint: /sellers/{sellerId}

Method: DELETE

Description: Deletes a seller from the system

3. Products

Endpoint: /products

Method: POST

Description: Adds a new product to the catalog

Endpoint: /products

Method: GET

Description: Fetches a list of all products.

Endpoint: /products/{productId}

Method: PUT

Description: Updates a product's details.

Endpoint: /products/{productId}

Method: DELETE

Description: Deletes a product from the catalog.

4. Orders

Endpoint: /orders

Method: POST

Description: Creates a new order.

Endpoint: /orders/{orderId}

Method: GET

Description: Fetches details of a specific order.

Endpoint: /orders/{orderId}

Method: PUT

Description: Updates the status of an order.

Endpoint: /orders/{orderId}

Method: DELETE

Description: Cancels an order

5. OrderDetails

Endpoint: /orderdetails/{orderId}

Method: GET

Description: Fetches detailed information about products in an order.

6. Payments

Endpoint: /payments

Method: POST

Description: Creates a new payment record.

7. Delivery Zones

Endpoint: /deliveryzones

Method: POST

Description: Adds a new delivery zone.

8. Seller Delivery

Endpoint: /sellerdelivery

Method: POST

Description: Creates a delivery record for the seller.

SanitySchema

User

Id

Name

Email

Password

Role

Address

Phone Number

Seller

Id

User id

Store Name

Email

Products

Id

Name

Price

Category

Stock

Seller id

Orders

Id

User id

Zone id

Order status

Order Date

Orders Details

Id

Order id

Product id

Quantity

Price

Payments

Id

Order id

Amount

Payment Method

Payment Status

Delivery Zones

Id

Zones name

City

Delivery Charges

Estimated Delivery Time

Seller Delivery.

Zone

Seller id

Zone id

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