Hackathon

SELF-VALIDATION CHECKLIST FOR DAY 1 AND DAY 2

Day 1: Business Focus Outcome Checklist

- **Objective: Define the business foundation of your marketplace.**
  Our store offers affordable, comfortable, and high-quality sofas. You can customize the color to match your style. We use durable materials like premium wood, foam, and fabric to ensure our sofas last. Everyone can find a sofa they love and make it their own.

- **Checklist:**

  1. **Business Goals:**
     Our business goal is to build trust with our customers by delivering the right products they choose at affordable prices. This way, they will want to buy from us again.

  2. **Market Research:**
     Our marketplace offers affordable, high-quality sofas and color customization options, ensuring durability, comfort, and personalized style.

  3. **Data Schema Draft:**
     Products Fields
     - product Id
     - title
     - description
     - productImage
     - price
     - tags
     - dicountPercentage
     - isNew

     Customers Fields
     - Name
     - Email
     - Contact No
     - Address

Order Fields
● Order Id
● User Id
● Product Id
● Quantity
● Customized
● Order Status
● Time Stamp
● Estimated Date

Shipment Fields
● Order Id
● Shipment Id
● Status

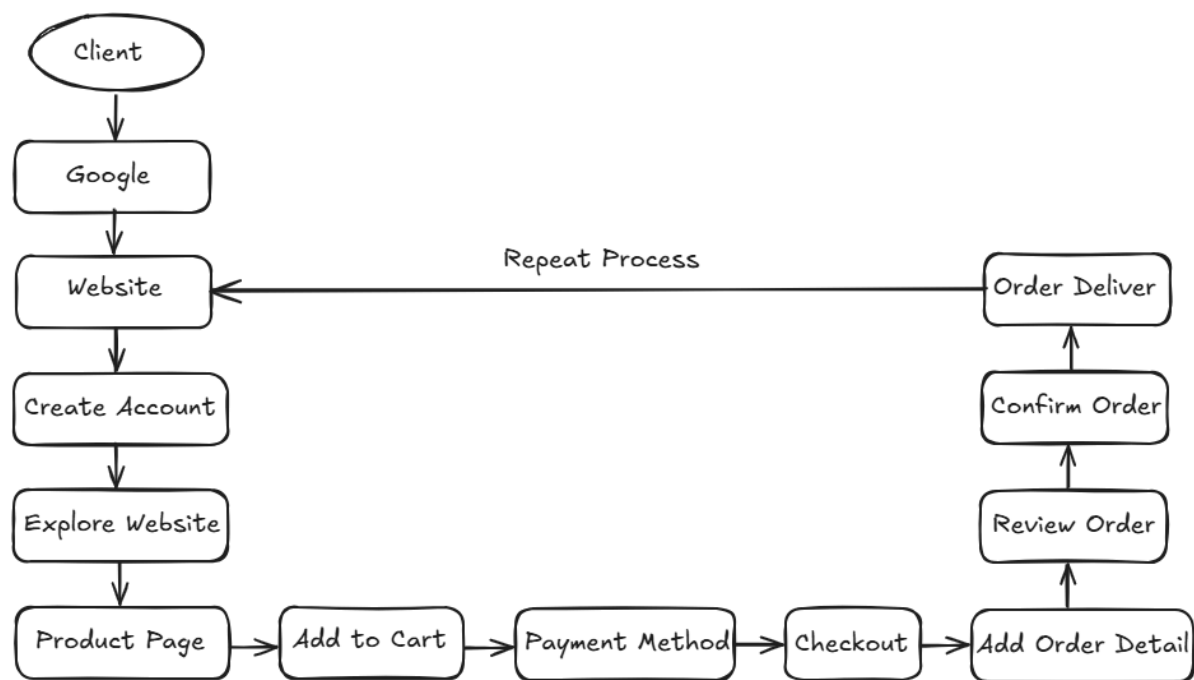# **Day 2: Technical Planning Outcome Checklist**

● **Objective: Transition to the technical foundation for your marketplace**.
● **Checklist:**

1. Technical Plan:
This dynamic and responsive project is built with Next.js and Tailwind CSS, offering a seamless shopping experience. It integrates with Sanity CMS for easy and dynamic updates to products, categories, and content. Designed for a furniture store, it showcases both household and office furniture.

2. Workflows:

1. Find websites via Google or referrals.
2. Visit, login, or sign up.
3. Browse products and view details.
4. Add to cart and choose payment.
5. Enter details, review, and confirm an order.
6. The product is delivered.

Flow diagram: Client → Google → Website → Create Account → Explore Website → Product Page → Add to Cart → Payment Method → Checkout → Add Order Detail → Review Order → Confirm Order → Order Deliver → (Repeat Process) → Website

3. API Requirements:

- **MockAPI:**
  For managing and simulating product data.
- **ShipEngine:**
  To handle the shipment process efficiently.

4. Sanity Schema:

```js
import { defineType } from "sanity"
export const product = defineType({
    name: "product",
    title: "Product",
    type: "document",
    fields: [
        {
            name: "title",
            title: "Title",
            validation: (rule) => rule.required(),
            type: "string"
        },
        {
            name:"description",
            type:"text",
            validation: (rule) => rule.required(),
            title:"Description",
```

```
        },
        {
            name: "productImage",
            type: "image",
            validation: (rule) => rule.required(),
            title: "Product Image"
        },
        {
            name: "price",
            type: "number",
            validation: (rule) => rule.required(),
            title: "Price",
        },
        {
            name: "tags",
            type: "array",
            title: "Tags",
            of: [{ type: "string" }]
        },
        {
            name:"discountPercentage",
            type:"number",
            title:"Discount Percentage",
        },
        {
            name:"isNew",
            type:"boolean",
            title:"New Badge",
        }
    ]
})
```

5. Submission from Day 2:
- **GitHub:** https://github.com/laibaashfaq1/Hackathon
- **LinkedIn:**https://www.linkedin.com/in/laiba-ashfaq-ahmed-3a8502274/

Submission Requirements

Day 1 Submission

- **Document Title: "Marketplace Business Goals - [Your Marketplace Name]"**
  Our marketplace type is General E-Commerce. Our business Furniro's goal is to build trust with our customers by offering them high-quality sofas at reasonable prices, making them affordable for everyone.

HACKATON

DAY 1 : LAYING THE FOUNDATION
FOR YOUR MARKETPLACE JOURNEY

STEP 1

MARKET PLACE TYPE

My market place type is ~~General~~ E commerce

Example :-

SOFA WEBSITE.

To offer high quality sofa's at reasonable prices, making them affordable for everyone

STEP 2

BUSINESS GOALS

Q) what problem does your marketplace aim to solve

i) we address the challenge of affordability by offering high-quality sofas at reasonable

prices- We Use ~~durability~~ durable materials such as premium-quality wood, foam and fabrics to ensure long-lasting products.

2- Our well-structured categories make it easy for customers to find exactly what they need.

3- We provide complete product details, including comprehensive descriptions, the materials used in manufacturing, and high-quality images.

4- We offer a customization option, allowing customers to change the sofa's color according to their preference.

5- We maintain transparency in pricing by displaying the total cost. No hidden or extra charges are applied during delivery.

6- To ensure safety & convenience, we offer a cash on delivery payment method, as we donot support online payment to avoid scams or misuse of personal information.

Q) Who is your target audience?

A) Our target audience include homeowners, young families, students & offices seeking comfort and durability at reasonable prices.

Q) What products and services will you offer?

A) We proffer high-quality, affordable sofas, including options for living rooms, dining rooms, bedrooms. Our user-friendly website ensures seamless shopping experience.

Q) What will set your marketplace apart (e.g. speed, affordability, customization)?

A) Our marketplace stands out with affordable, high-quality sofas and color customization options, ensuring durability, comfort and personalized styles.

STEP 3

CREATE A DATA SCHEMA

Products Fields	Customers Field
• Product Id	
• Name	• Name
• Price	• Email
• Category	• Contact No
• Size	• Address
• Color	
• Stock Availability	

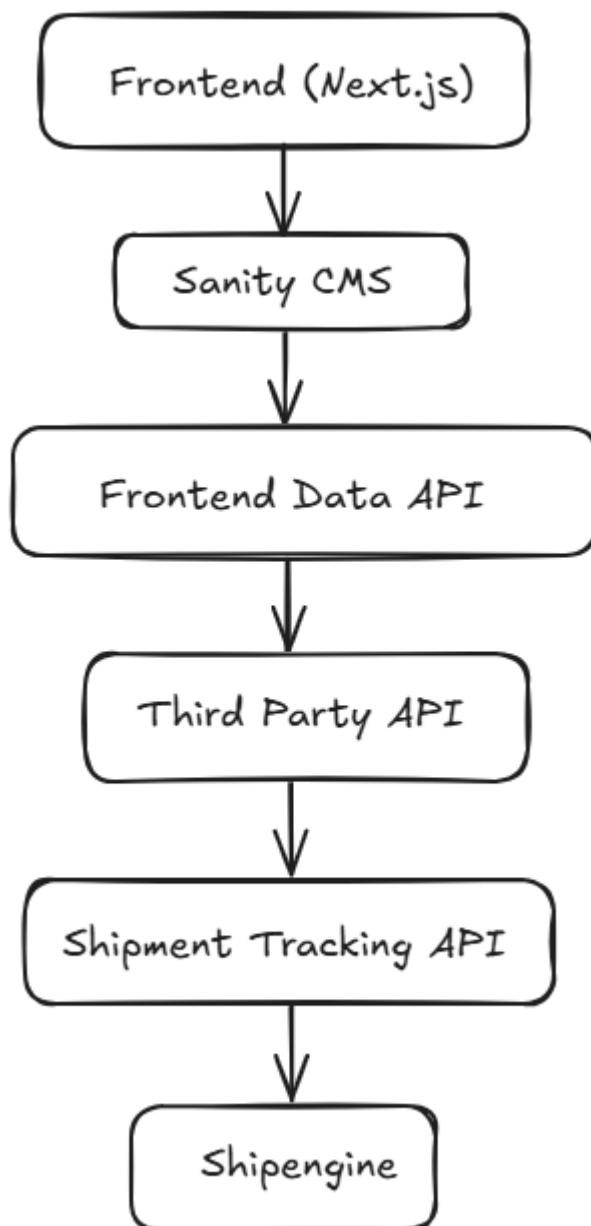| Order Feilds	Shipment Feilds
• Order Id	• Order Id
• User Id	• Shipment Id
• Product Id	• Status
• Quantity	
• Customized	
• Order Status	
• Time Stamp	
• Estimated Date	

Submission Requirements

Day 2 Submission

- **Document Title: "Marketplace Technical Foundation - [Your Marketplace Name]"**
  This dynamic and responsive project, built with Next.js and Tailwind CSS, offers a seamless shopping experience. It integrates with Sanity CMS for easy and dynamic updates to products, categories, and content. Designed for a furniture store, it showcases both household and office furniture.

- **System Architecture Overview:**

```
Frontend (Next.js)
        |
        v
     Sanity CMS
        |
        v
  Frontend Data API
        |
        v
   Third Party API
        |
        v
Shipment Tracking API
        |
        v
     Shipengine
```

- **Key Workflow:**

```
[User] → [Product] → [Cart] → [Placed Order]
```

```
[Sanity] --backend--> [Product Detail]
```

```
[Shipment Info] --------> [Payment Detail]
```

```
[Customer Info] --------> [Cart Pgage]
```

```
[Order Detail] --api--> [ShipEngine]
```