

# Day 1: Laying the Foundation for Your Marketplace Journey

## Business Goals:

For this project, we're building a **Wood-Craft Marketplace** where customers can buy handcrafted wooden furniture, such as beds, sofas, and other home . Here are the main business goals:

1. **Offer High-Quality, Handcrafted Wooden Furniture:** We aim to showcase a collection of beautifully crafted furniture that stands out for its quality and design. The goal is to make sure customers get premium, long-lasting products that add value to their homes.
2. **Build Trust and Visibility:** By providing great products and an excellent shopping experience, we want to build trust with our customers. The website should become a go-to place for people looking for handcrafted wooden furniture.
3. **Generate Sales and Conversions:** One of the primary goals is to increase sales through effective product displays, seasonal discounts, promotions, and featured product spots. We aim to drive traffic to the site and convert visitors into buyers.
4. **Ensure Long-Term Growth:** While the main focus is on getting the site up and running, we also want to plan for future improvements. Over time, we plan to expand the product catalog, introduce new features, and continuously refine the customer experience.

## Data Schema (Sanity.io)

To manage all the products, I've set up a **Sanity.io** schema. This schema is used to structure the data for each product, which makes it easy to add, update, and display products on the website. The schema defines essential product information like the name, price, description, and stock level.

Here's the basic schema used for a product:

```
import { defineType } from "sanity"
```

```
export default defineType({
```

```
  name: 'product',
```

```
  type: 'document',
```

```
  title: 'Product',
```

```
  fields: [
```

```
    {
```

```
      name: 'name',
```

```
    type: 'string',
    title: 'Name',
  },
  {
    name: 'image',
    type: 'image',
    title: 'Image',
    options: {
      hotspot: true, // Allows image cropping for better focus on the product
    },
  },
  {
    name: 'price',
    type: 'number',
    title: 'Price',
  },
  {
    name: 'description',
    type: 'text',
    title: 'Description',
  },
  {
    name: 'discountPercentage',
    type: 'number',
```

```
    title: 'Discount Percentage',
  },
  {
    name: 'isFeaturedProduct',
    type: 'boolean',
    title: 'Featured Product',
  },
  {
    name: 'stockLevel',
    type: 'number',
    title: 'Stock Level',
  },
  {
    name: 'category',
    type: 'string',
    title: 'Category',
  },
],
});
```

### Explanation of the Fields:

- **name:** This is the product's name, like "Handcrafted Wooden Bed" or "Sofa Set".
- **image:** An image that represents the product. The "hotspot" option allows for cropping and focusing on the important parts of the image.
- **price:** The price of the product. This will be displayed on the product page and in the shopping cart.
- **description:** A detailed description of the product, explaining its features, materials, dimensions, etc.

- **discountPercentage:** If there's any discount available, this field will store the percentage off the original price.
- **isFeaturedProduct:** This boolean field allows marking products as featured on the homepage or in special sections, like "Best Sellers" or "Recommended."
- **stockLevel:** This will keep track of how many units of the product are available in stock. When stock runs out, the product can be marked as out of stock.
- **category:** The category this product belongs to, such as "Beds," "Sofas," or "Tables."

This schema structure helps ensure that the product data is organized and easy to manage in Sanity.io, allowing us to update and display the products efficiently on the website.

This setup is just the starting point for adding products to the marketplace. The next step is integrating the data into the front-end and displaying the products on the website in a clean, user-friendly way.