⬜ Premium Wooden Furniture E-commerce Marketplace Builder Hackathon.

Welcome to my wooden furniture e-commerce marketplace project, developed as part of the Market Place Builder Hackathon 2025. This platform specializes in authentic wooden furniture while accommodating diverse customer needs.

📋 Project Overview

Type: E-commerce Platform
Focus: Premium Wooden Furniture
Status: Day 1 - Foundation Phase

🎯 Business Goals

Problem Statement

We address several key market gaps:

- Limited access to verified authentic wooden furniture
- Lack of transparency in wood quality and sourcing
- Insufficient craftsmanship verification systems
- Need for customization options in premium furniture

Target Audience

- Home owners seeking quality wooden furniture
- Interior designers and decorators
- Traditional furniture enthusiasts
- Commercial space owners (offices, hotels, restaurants)
- Urban professionals (30-55 years) with medium to high income
- Quality-conscious consumers

🛍️ Product Offerings

Primary Collection (100% Wood)

- Bedroom Furniture
  - Beds
  - Wardrobes
  - Side Tables
- Living Room Furniture
  - Sofas
  - Coffee Tables
  - TV Units
- Dining Room Sets
- Office Furniture
- Storage Solutions
- Custom-made Pieces

Secondary Collection

- Mixed material furniture (wood + metal/glass)
- Upholstered furniture
- Outdoor wooden furniture
- Accessories and decor items

✨ Unique Features

1. **Authentication System**
   - Certificates for 100% wooden products
   - Wood type and origin tracking
   - Craftsmanship verification
2. **Customer Experience**
   - Virtual room planning
   - Professional installation
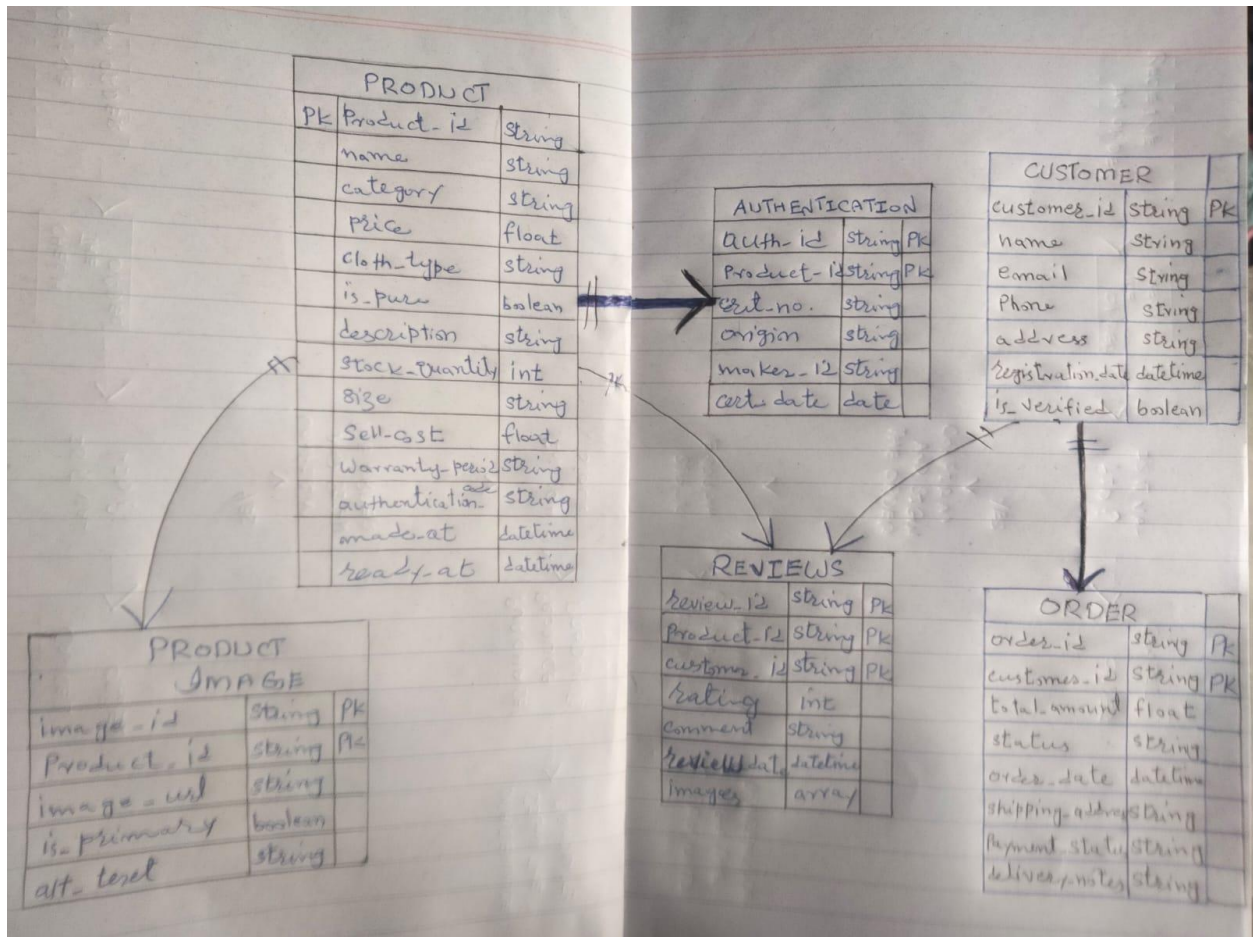   - Extended warranty program
   - Sustainable sourcing verification

🏛️ Technical Architecture

Our platform is built on a robust data schema that manages:

- Product inventory and authentication

- Customer profiles and orders
- Reviews and ratings
- Image management
- Authentication certificates
- Order processing

Schema Overview

PRODUCT

Pk	Product-id	string
	name	string
	category	string
	price	float
	cloth_type	string
	is_pure	boolean
	description	string
	stock_quantity	int
	size	string
	sell-cost	float
	warranty_period	string
	authentication	string
	made_at	datetime
	ready_at	datetime

AUTHENTICATION

auth-id	string	Pk
Product-id	string	Pk
cert-no.	string	
origin	string	
maker-id	string	
cert-date	date	

CUSTOMER

customer_id	string	Pk
name	string	
email	string	
Phone	string	
address	string	
registration_date	datetime	
is_verified	boolean	

PRODUCT IMAGE

image-id	string	Pk
Product_id	string	Pk
image-url	string	
is_primary	boolean	
alt_text	string	

REVIEWS

review_id	string	Pk
Product-id	string	Pk
customer_id	string	Pk
rating	int	
comment	string	
review_date	datetime	
images	array	

ORDER

order_id	string	Pk
customer_id	string	Pk
total_amount	float	
status	string	
order_date	datetime	
shipping_address	string	
payment_status	string	
delivery_notes	string	

SCHEMA DATA

PRODUCT.
- Product_id
- name
- category
- Price
- wood_type
- is_pure_wood
- description
- stock_quantity
- dimensions
- weight
- authentication_code
- created_at
- updated_at

PRODUCT IMAGES
- image_id
- product_id
- image_url
- is_primary
- alt_text

AUTHENTICATION
- auth_id
- Product_id
- certificate_number
- certificate_date

CUSTOMER
- customer_id
- name
- email
- phone
- address
- registration_date
- is_verified

REVIWS
- review_id
- Product_id
- customer_id
- rating
- comment
- review_date
- images

ORDER
- order_id
- customer_id
- total_amount
- status
- order_date
- shipping_address
- Payment status
- delivery_notes

🛠️ Tech Stack

- Frontend: Next.js
- Database: (To be decided)
- Authentication: (To be decided)
- Payment Processing: (To be decided)
- Image Management: (To be decided)

☑ Development Roadmap

Phase 1 (Current)

- ☑ Business Analysis
- ☑ Data Schema Design
- ☑ Market Research
- ☐ Tech Stack Finalization

Phase 2 (Upcoming)

- ☐ Frontend Development
- ☐ Backend API Development
- ☐ Database Implementation
- ☐ Authentication System

Phase 3 (Future)

- ☐ Payment Integration
- ☐ Admin Dashboard
- ☐ Customer Portal
- ☐ Product Management System

🤝 Contributing

This project is part of the Market Place Builder Hackathon 2025. While it's currently a personal project, suggestions and feedback are welcome through issues and discussions.

📝 License

[License details to be added]

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[Governor Sindh Initiative for GenAI, Web3, and Metaverse](#)