

Thurs 15

DAY 1: HACKATHON Date 2025

# MARKET-PLACE BUILDER

Laying the foundation for marketplace journey::

Step 01:- Choose your market place type

For this project, I have decided to built a rental-e-commerce and student resources platform.

Primary Purpose::

The primary purpose of the rental E-commerce platform is to provide individuals and business man with the ability to rent items items they need for short term use. This platform caters to users who require access to products like equipment, tools, furniture, or event supplies without the commitment of purchasing, helping to save money

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and reduce storage requirements.

In addition, the platforms integrate a Student resource system to address the unique needs of students. This system offers affordable access to essential educational resources such as book, e-books, notes, past papers, shared course material, and short term tech rentals.

By making study tools and resources more accessible, the platform ensures that students can achieve success without financial strain.

## Step 02:- Business Goals:-

### Rental E-commerce:-

The rental e-commerce platform addresses the cost barriers to accessing high-quality products. Many individuals or business needs item like equipment, tools, furniture, or electronics for a short period but cannot afford to purchase them. This marketplace provides an affordable and eco-friendly alternative by enabling users to rent instead of buy.

### My target audience:-

- **Event Planners:** Mostly in many events, there is a need of different furniture and decor like tables, chairs, and decorations for parties and events.
- **Small Businesses:** Renting office equipments during a clean setup or expansion phases.

Diy Enthusiasts :: Requise tools for home improvement projects.

Content Creators :: Renting cameras, lighting, and equipments for short-term projects.

### Unique Selling points:

- Affordability for short-term needs
- Eco-friendly approach by reducing the need for excess production.
- Easy booking and return process.

### 2. Student Resources Platform.

This platform addresses the difficulty students face in finding centralized educational resources. It will serve as a one-stop solution where student can access notes, past papers, textbook video tutorials, and other educational material.

My target audience:-

high School Students:- Looking for study guides, practice exams, and supplementary materials.

College Students:- Accessing detailed notes research materials, and assignments

Teachers:- Sharing curated contend with students

Unique Selling points:-

- Comprehensive library of notes and study materials
- Peer-to-Peer sharing and contribution of resources.
- Customizable profiles to track learning progress.
- Affordably priced premium content.

# Step 03: DATA SCHEMA FOR THE MARKET PLACE..

Key fields for each entity:- **Products:-**

**ID:** Unique identifier for each product.

**Name:** Descriptive name of Product

**Price:** Cost of the Product

**Stock:** Quantity available in inventory

**Category:** Classifications (e.g. furnitures, books)

**Tags:** Budget friendly | Affordable | Modern  
Luxury | Durable | Versatile and more.

## **Orders:-**

**Order ID:** Unique identifier for the order

**Customer info:** Linked customer name details  
(Name, Contact, Address)

**Product details:** list of products, their  
quantities and prices

**Status:** Current order status (e.g. Pending  
Shipped)

**Timestamp:** Date and time for order  
displacement.

# Customers

Customer ID:: Unique identifier

Name:: Customer's full name

Contact info:: Email and phone number

Address:: Primary delivery address

Order history:: linked orders

## Delivery Zones::

Zone Name:: identifier for delivery zones

Coverage area:: List of cities and postal code.

Assigned drivers:: Drivers or couriers handling deliveries.

## Shipments::

Shipment ID:: Unique identifier for tracking

Order ID:: Associated order

Status :: Current delivery status

Delivery Date:: Estimated or actual date of delivery.

## Payments::

Payment ID:: Unique identifier for the transaction

Order ID:: Associated order

Amount :: Total amount Paid

Status :: Payment status (e.g, Paid or Pending)

Payment date:: Date of payment processing

