

Hackathon 3

Laying the foundation for your market place journey.

Step 1: Choose your market place type:

Rental Car E-commerce

Purpose:

The purpose of this project is to build a Rental Car E-commerce platform that provides customers with a reliable, affordable and user friendly solution for short term car rentals. This platform addresses existing market challenges such as high costs, lack of customization options, limited accessibility in rural areas, and trust issues.

Step 2

What problems does your method place aim to solve?

1- Lack of Transportation Options

Provides access to vehicles for individuals without personal cars or those in need of specific vehicle types.

2- High Cost of Ownership

Reduces the financial burden of buying & maintaining a car, especially for occasional or short-term use.

3- Convenience & Accessibility.

Offers users the ability to book vehicles easily, any time & anywhere.

4- Short-term and flexible usage

Meets the needs of users requiring vehicles for a few hours, days or

Weeks without long-term commitments.

5. Diverse Vehicle Choices

Allows customers to select from a variety of vehicles (e.g. economy, luxury, or specialized vehicles) tailored to their needs.

6. Local & Remote Travel Needs

Solves the issues of transportation for tourists, business travelers, or individuals in unfamiliar cities.

7. Idle Car Utilization

Provides a platform for car owners to monetize their idle vehicles, benefiting both owners & renters.

8. Environmental Impact

Promotes shared economy principles reducing the number of vehicles on the

Read & encouraging sustainable usage.

9. Handle-Free Paperwork

Streamlines rental agreements, issuance & payments processes for both renters & providers.

10. Safety & Reliability

Offers insured, well-maintained, & verified vehicles to ensure a safe & trustworthy experience.

Step 3

Target audience???

- 1- Tourists & travelers
- 2- Business professionals
- 3- Non-car Owners
- 4- Car Enthusiasts
- 5- Student & young adults
- 6- Event planners who require short-term rentals
- 7- Relocating individuals

- 8- Small business owners, car owners
- 9- Local Commuters, local resident needing agent vehicle
- 10- Environmentally Conscious User,

What Product & Services will you offer

- A wide range of cars, according to customer needs like SUVs, luxury cars & vans
- Easy to use booking options
- User reviews & recommendation to help customer choose the best car for their events or family.
- term rentals.

What will set your market place apart?

- Detailed car info at a glance.
- flexible rental options & competitive price, budget friendly rental
- Seemless process from browsing to confirmation, customization, flexible option for type & rental duration
- Tailored recommendation
- Easy to use Payment Gateway

Step 4

Identify the entities:

- 1- Customers (Renters) Individual or business seeking to rent vehicles for personal or professional use.
- 2- Car Owners (Suppliers) Vehicle owners or rental companies listing their cars on the platform for rent.
- 3- Vehicles: The cars available for rent categorized by type, model, features & availability.
- 4- Marketplace Platform: The digitized interface (website or app) facilitating transactions, listings, & communication.
- 5- Payment Gateway: System handling secure payments between renters & owners.

Insurance Providers : Third-party entities
ensuring Vehicles. & transactions are
protected.

Support Team: Personal addressing
customers service, maintenance &
dispute resolutions

key fields for each entity

Schema

Cars : (Car Id, name, Price, Stock
Category, fuel capacity, Seats)

Transmitter

Orders : (Order Id, customer Id, car Id
Quantity, Order Status, Rental
duration

Customer (Customer Id, name, contact, address,
Payment, Payment method, cash, through
Card, or online payment.

Delivery : Zone Id, Zone Name, Coverage area.

Booking : Booking Id, car Id, customer Id, status.

Relationship Between Entity

Diagram

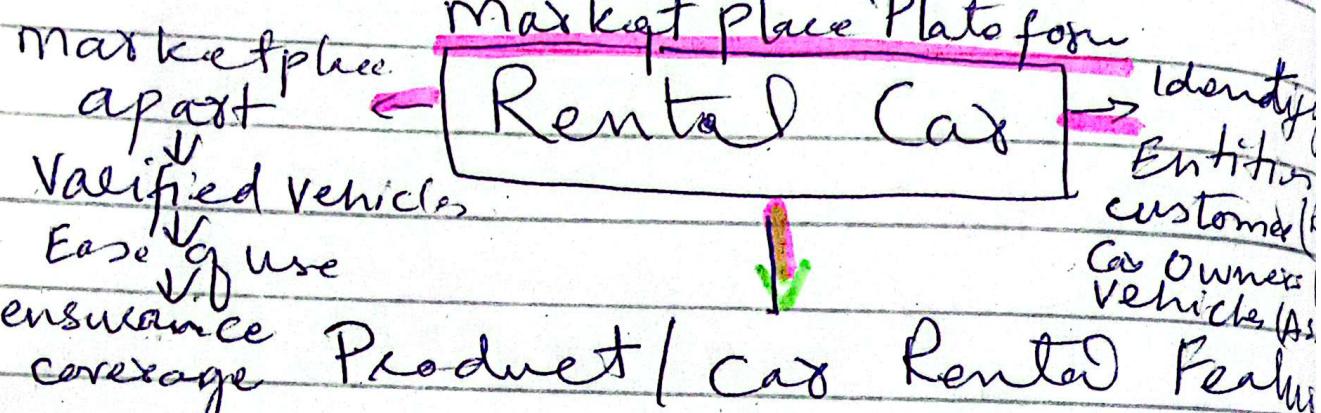
Problems Aimed to Solve

Lack of transportation option

High Costs of Ownership

Short term flexibility

Idle Car Utilization



Online booking System

Flexible pricing options

Data

Schema

Vehicle's
car Number
Name
Rent
Category

Car details

Order

Order ID

Customer ID

Car Number

Distance

Status

Customer Info

customer Id
customer Name
NIC
Phone No

Destination

Pick-up

Pick-off

distance

Time

Distance



USER VISIT YOUR WEBSITE



WEBSITE LOADING PAGE

