

HACKATON DAY #01

Step #01 Market place

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Rental E-Commerce

Primary Purpose :-

The primary purpose of car rental e-commerce is to make it easy for people to rent cars Online, offering convenience & flexibility. It quick access to vehicles when needed. It allows users to save time & effort by eliminating the need for in person bookings while offering a wide variety of vehicles to suit different needs as well as compare price deals. It also supports travel plans with options for local and international rental.

Step #02

Q:- What problem does your market place aim to solve?

- Limited access to flexible car rentals
- High costs of car ownership
- Complicated and time-consuming booking processes
- Lack of price and option transparency.
- Limited transportation options for varying needs.
- Inflexibility in rental duration & locations.
- Need for a convenient, online rental solution

Q/ Who is your target audience:-

Target Audience:-

- 1- Tourist or business travelers needing temporary transportation
- 2- Individuals requiring short-term vehicle access for daily use.
- 3- People renting vehicles for special occasions or events
- 4- Those seeking affordable alternatives to car ownership
- 5- Residents of cities who don't own cars but need them occasionally.
- 6- Individuals needing flexible cost-effective mobility.

Product & Services:-

- 1- A variety of vehicles for short or long-term use.
- 2- Flexible pick-up & drop-off location.
- 3- Rent by the hour for quick trips.
- 4- Protection during your rental.
- 5- Tailored rental duration to fit your need.
- 6- Always available customer assistance.

Q4 - What will set your marketplace apart?

- 1- Quick & simple booking process.
- 2- Rent by the day, hours or weeks.
- 3- Variety of cars to suit different needs.
- 4- Competitive pricing with no hidden fees.
- 5- Door-to-door vehicle delivery & pickup.
- 6- Always available assistance for any issues.

Step #03 Create a Data Schema?

∴ Relationship b/w these entities

Here's how the relationship b/w entities look.

Product & Orders:-

- 1- Each order includes one or more products.
- 2- A single product can be rented multiple time (1-to many relationship)
 - ∴ Each order contains one or more products
 - ∴ Relationship : 1 product \longleftrightarrow many orders.

Order & Customers:-

- 1- Each order is placed by one customer.
- 2- A customer can place multiple orders (1-to many relationship)
 - ∴ Each order is placed by one customer
 - ∴ Relationship : 1 customer \longleftrightarrow Many orders

Order & Delivery Zones:-

- Each order is delivered to one-zone and each zone can serve multiple orders (1-to-many relationship)
- Each order is delivered to one delivery zone
- Relation - Ship : 1 delivery zone \longleftrightarrow Many orders.

PRODUCT

- ID : 003
- Name : "Car-rent"
- Price : 500
- Stock : 25

Customers

- Customer ID : 401
- Name : "xyz"
- Contact Info : "xyz@gmail.com"
- Address : "Steel Town Karachi, Pakistan"

Order Details

- Order Detail ID : 201
- Order ID : 321
- Product ID : 202
- Quantity : 01

Orders

- Order ID : 303
- Customer ID : 301
- Total Amount : 500
- Status : "Active"

Delivery Zones

- Zone ID : 75200
- Zone Name : North Nazimabad
- Coverage Area : "Central West"
- Assigned Drivers : "xyz"

Shipment

Shipment ID : 501

Order ID : 401

Status : Active