Date:- 16.01.2025

Hackathonen 3 (Day 1)

① Marketplace Type:- E-commerce

② What problem does maketplace aim to solve?

Ans:- our websit will help peoples lives in small villages by soliving their problem such as trawling 20-25 k for Pick up deliveries and facing frequent orde cancellation due to location issues.

Who is your target audience?

Ans:- The target audience is individuals living in small villages who travels 20-25 km for their order we will solv their problem by deliver order in the village.

What Products or Services will you offer?

Ans:- We will provide a wide range of products include groceries, electrons. clothing and household essential overtime we will expand to include more item such as farming tool and seeds for agricultural need.

What will set your market place apar (e.g. speed affordability Customization?

Ans:- Customized delivery routes:- optimized for villagers accessibilty. Affordable pricing:- products priced copetitively with discounts for poor villagers. Local partnerships:- Collabration with Local shops as delivery hubs for Last miles delivery.

CPS

③ Create a Data Schema

Idetify the Entities in your MarketPlace:

Ans:- Products: ID, Name, price, stock. category.

Orders: order ID, Cutomber Info. Product Details, order stetus.

Cutomers:- Customer ID, Name, Address. Contact Info, Region.

Delivery Zones: Zone ID, Zone Name. Coverage area, Assigned Drivers.

Shipment: ID: order ID. Tracking Number, Status, Dispatch Date, Delivery Date Carrier, Delivery Zone ID.

Payment: Payment ID, order ID, Amount Payment methode Status, Transaction date. Referece number.

Draw Relationships Between Entities:

```
[Product]
  -ID
  -Name
  -Price
  -Stock
    |
    |

[Order] - - - - - - - - -> [Customer]
 •orderID              -CustomerID
 •ProductID            -Name
 -Quantity             -Contact Info
    |
    |

[Shipment] <- - - - - - - [Delivery Zone]
 -ShipmentID           -Zone name
 -orderID              -Coverage Area
 -Status               - Assigne Driver
```

③ Focus on key Fields for Each Entity:

- Products:
    - Product ID:
    - Product Name:
    - Product Price:
    - Product Quantity:
    - Product Catogry:
    - Product Tags:

- orders:
    - orderID:
    - Customer Info: Name, Contact details and address.
    - Prodct Details: List of Product quantities and prices.
    - Status:
    - Timestamp:

Date: 16-06-2025

- Customers:
  - Customer ID:
  - Customer Name:
  - Contact Info:
  - Address:
  - Order history:

- Delivery Zone:
  - Zone Name:
  - Coverage area:
  - Assigned Drives:

- Shipment:
  - Shipment ID:
  - Order ID:
  - status:
  - Delivery Date: