

①

# Architecture of Marketplace Builder Hackathon - 2025

{ GIAIC STUDENTS: "Transformer of Karachi into E-market" }

DAY 1

13-01-2025

Foundation of Marketplace Journey

Step 1: Choose your Marketplace

Select: Q-Commerce

Reason: Template-9 "Food-Restaurant"

Purpose of Marketplace:

Food is a basic necessity of human beings. Q-Commerce (Quick Commerce) is the best way to provide rapid food delivery services to nearby customers.

Step 2: Define your Business Goals.

Problem Solving: Majority population of Karachi lives without their family, They come here to earn a better income and seek affordable quality food for healthy life style.

Target audience: Karachi is the busiest city here most working couples strive to their best. They need quick food delivery during short lunch breaks and late at night, in daily basis.



(2)

- Products and Services:

Products: Food-Restaurant provides Breakfast, lunch and dinner with a variety of regional specialities, continental dishes, BBQ and fast food items.

Services: Dine in, take away and on fast delivery with cash or online payment.

- Uniqueness of Food-Restaurant Q-Commerce:

Speed: Food-Restaurant quickly acknowledge order to customer and delivers faster than competitors i.e., <sup>within</sup> half an hour.

Affordability:

Food-Restaurant offers lower profit margin prices on all items compare to competitors but make no compromise on quality and health of customer.

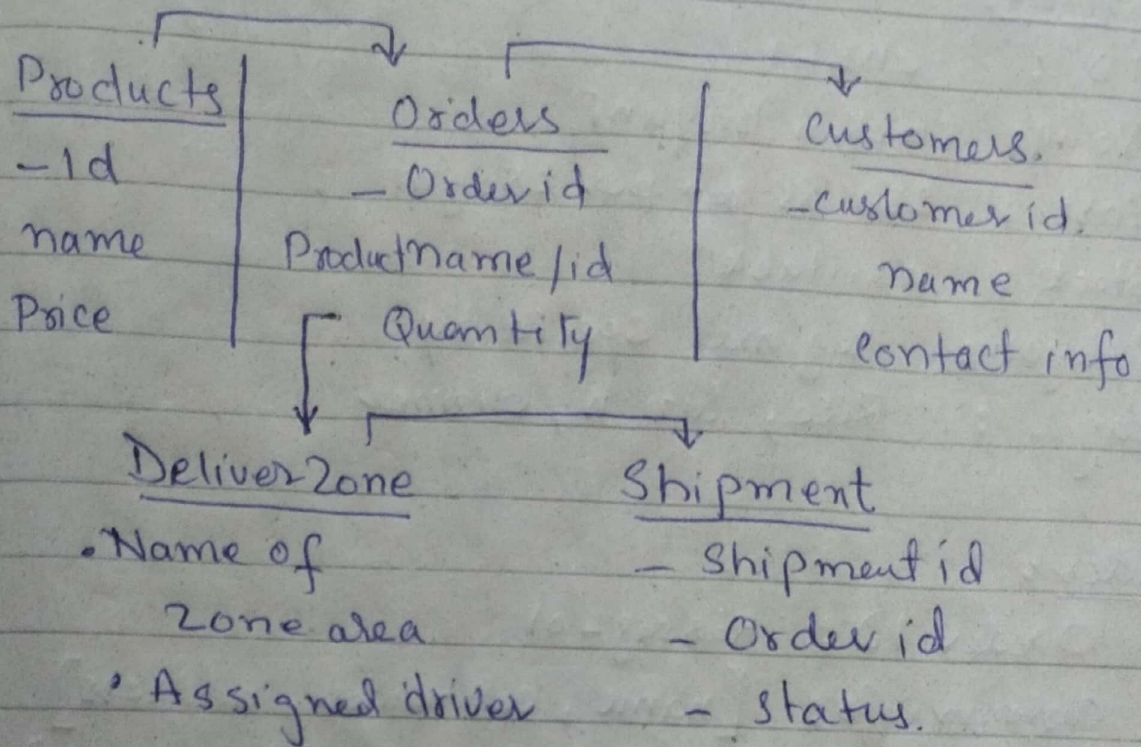
- Customization:

Food-Restaurant allows customers to customize deal items as desired, offering dynamic pricing and a smart payment gateway to create lifetime value.

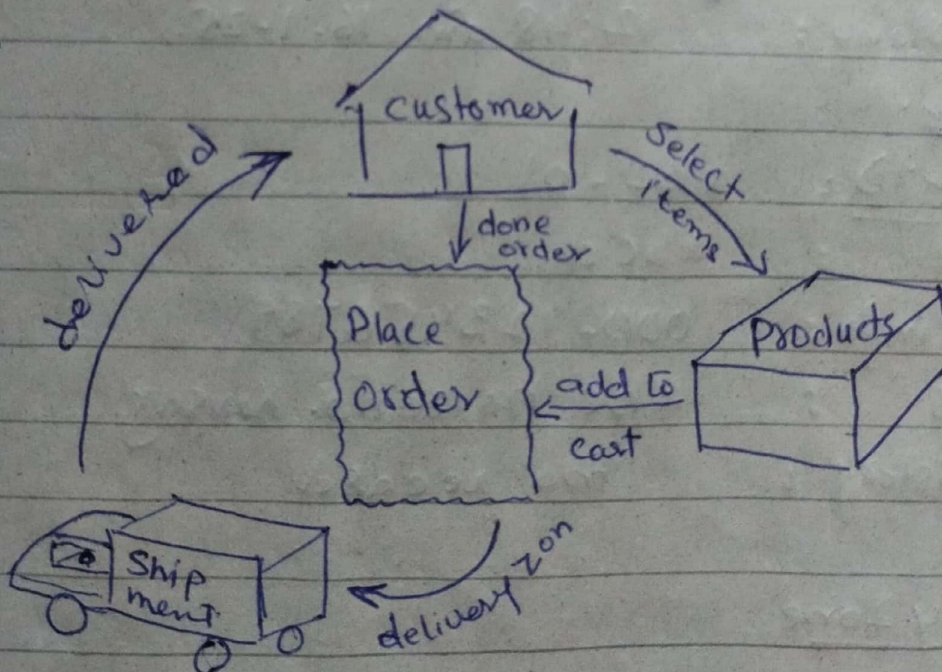


Step 3: Create a Data Schema.

3



Flow Diagram



### Product:

ID : chb-1

Name: Chicken Biryani

Cost : 250 Rs per per 250gm

Stock : available

Category: Regional specialty

tag : Rice, lunch, dinner

### Order:

Order ID : Karsaz-01

Customer info : [name, cell number, address]

Product detail : [Product ID, quantity, price]

Status : Pending

Time Stamp : 12:48 am 16-1-25.

### Customer:

customer ID : abc-01

name : abcd

Contact info : 000-123456789

Address : abc house no. Karsaz

Order history : no record

### Delivery Zone

Zone Name: Karsaz Zone

Coverage Area: Karsaz, shahrah faisal, Nipa

Assigned Drivers: name of delivery boy or couriers.



## Shipment:

(5)

Shipment ID: Karsaz zone - Karsaz 01

order ID: Karsaz-01

Status: Delivered

Delivery Date: 01:15 am 16-1-25

— x —