DAY 1 HACKATHON Build a robust and Scalable Lord delivery platform that Connects hungry Constomers with nearly restricts, offering a Seamless ordering experience and reliable delivery Step 2: DEFINE GOALS: Deliver an intuitive plotform for Customers to browse menus, order food, and track deliveries in seal Help restaurants grow their business through digital reach and operational efficiency. Generale revenue through Service fees, delivery charges, and promotional packages for partner restaurants. (ii) LARGET AUDIENCE: · Usban individuals, families, and working professionals who value Convenience www.PrintablePaper.net -

	Tech-Savy users who maker online ordering
	Jech-Savy users who prefer online ordering over dining out.
(11)	Restaurants:
	Small to medium-sized local
	Restaurants: Small to medium-sized local sestaurants, food trucks, and large restaurant Chains.
	(111) PRODUCT AND SERVICES!
	$(A,A,C)_{\bullet}$
(1)	PRODUCTS:
,	A wide variety of cuisines
	PRODUCTS:  A wide variety of cuisines  including fast food, healthy meals, desserts, and beverages.
	Deverages.
	DALLEY and made comber to attract budget-
9'	Oppers and meal combos to attract budget- Conscious Customers.
(10)	GERVICES:
•	For Customers:
	Easy navigation, real-cime order
	Easy navigation, real-time order tracting, ratings / serieus, and a Coyatty program.
	For Resturants:- Partner analystics, order mangement and adverstings. opportunities.
	and adverstings, opportunities.
	For Delivery Personals:
	For Delivery Personals: Optimized delivery roules and income & incentive programs.
	and income à incentive programs.
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	(iv)
_	(iv) NHAT SETS IT APPRIT:
-	Personalization:-
	Personalization:-  AI-powered recommendations based on customer preference and past orders.
	preference and place orders:
•	Fast Delivery 1-
	Fast Delivery:-  Streamlined logistics with real- time tracking and nearby delivery personnel.
-	Diverse Options:-  Extensive menu choices from local favorites to prenium restaurants.
	favorites to prenium restaurants.
	(8 to a bolton
0	Eco-friendly packaging and Cartan-
	Bustainability:-  Eco-friendly packaging and Cartan- neutral delivery options:
	Step 3: DATA SCHEMA.
	(9) ENTITIES AND ATTRIBUTES.
(1)	
	MENU GREMS (Food items): Represents dishes offered by restaurants.
	Tespreseries of the second of
•)	Attributes:
	Attributes:  Item ID, Name, Description, price,  Category, Restaurant ID, preparation Time, Image URL.
	Calegory ) rescuired
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(00)	REPresents the customers food order.  Attributer
	Represents +1
	the Customers food order.
0	
	Order In Contrara In Date at 20
	Total amount, Order Date 17. T. Dal' 120
	Jose amount, Order Dase, Status, Delivery ID, Payment ID.
ca)	
	OSTOMER:
_	Represents users of the platform.
-	DUSTOMER: Represents users of the platform.
0	Attributes!  Customer ID, Name, Phone, Email, Address, join date, loyalty points.
_	Customer ID, Name, Phone, Email, Address,
	form dale, (gyally points.
32)	
7	KIESTALIPANT.
	Represents food establishments listed on the platform.
	listed on the Motterm.
	principal
,	Attributes:
	Restaurant ID, Name, Cocation, cuisine
	Restaurant ID, Name, Cocation, cuisine Type, Rating, Delivery Fee, Opening Hours.
	DELIVERY LONE:
	DELIVERY ZONE: Represents predefined  Bones for Shipping.
	zones for Shipping. Représents predefinéed
intable	Paper.net —
-	

	Attributes: Dolivery. Fee, Estimated
	Attributes: Zone: ID, Name, Delivery. Fee, Estimated Delivery Vime.
(°)	PAYMENT: Represent payment details for transection.
-	Attributes:  Payment ID, Order ID, Amount,  Payment Type, payments Stalus, Transection Date.
vũ)	DELIVER: Represents delivery detaits of orders.
0	Attributes: Delivery ID, Order ID, Delivery personnel. ID, Delivery Status, Delivery time, Estimated Amival.
งเน)	DELIVERY PERSONNEL: Represent individuals Responsible for delivery orders.
	Responsible for delivery orders.
	Attributes:  Personnel ID, Name, Phone, Vehicle type,  Current Location, Availability.
	Current Location, Availability.
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	RELATIONSHIPS:
701	
1/	Customer > Order:
•	A customer can place multiple orders, but each order belongs to one customer (1:N).
cv)	Order -> Menu Items:
	An Order Can Contain multiple menu îtens, and a menu îtem can appear in multiple orders (M:N).
	Order > Restaurant:
	Fach order is tied to one restaurant, but a restaurant on fulfill multiple orders (1:N).
	Order -> Delivery Zone:
6	Each order belongs to a delivery gone to determine Shipping logistics (1:1).
)	Orde ( > Dayment:
i	Each order has one payment transection (1:1).
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(vi) Oxder -> Delivery: · Each order is linked to one delivery transection (1:1). (Fix) Delivery > Delivery personnel; Rach delivery is assigned to one delivery person, and each delivery person can handle multiple deliveries (1:N). Step 4: HIGH-LEVEL FEATURES: Kesponsive UI for customers, restaurants, and Features like menu browsing, Search Filters, and older tracking. Database to handle customers, order, restourants, payments, and deliveries.

APIs for managing interactions (e.g., Placing orders, updating Statuses).

ADDITIONAL FUNCTIONALITIES: Real-time notifications for customers and delivery personnel. . Feedback System for customers to rate orders and Restaurants. www.PrintablePaper.net