Date: MACKATHON DAY (),1 STEP 01: (wed, 15-January) Choose Your Marketplace Type. · Markelplace Type: General E-Commerce (Furnitus) · Primary Purpose: and provide customers with an easy platform to search and purchase rarious types of furniture. Sefine Vour Business Goals. · Problem Statement: where eustomers can easily search for and purchase al variety of furnitur products.

(4:45 pm) Touget Auchience: furniture products online. · Products / Services: such as sofas, beds, chaus, tables and more. · Unique Selling Pount. Easy search options, competitive pricing, land fast activery. Create a Data Schemes. Identity the Entities in Your Marketplace. 1) Products: Represents the familiare items being sold.

2) Orders: Represents a customer's pur chase transaction. 2) Customers: Represents the customers who are making the purchases. 4) Sellers: Represents the business or individuals selling furnition 5) Delivery Zones: Represents
the geographic aleas
where products can be
delivered. 6) Shipments: Represents the delivery details for each order 7) Payments: Represents the financial transactions related to each order.

· Draw Relationships B/w Entities. The relationships b/w entities .
show how they interact and are connected. · Products -> Onders: A product can appear in multiple orders, as the same product may be purchased different austomers. A customers can place multiple orders. · Oxders <>> Shipmonls: An order can have one or more shipments (especially if the order contains multiple (products). · Orders => Payments An order can be linked to multiple payments (e.g. installment payn · (trampo

Date:	
· Shipmen -> Delivery Zones:	
Shipments are associated	SIL
with delivery zones. as the	2
delivery and defines where the product is sent.	S. A.
	2
· Sellers -> Products:	
for the marketplace. A seller	E 3
can other multiple products and	5 1
each product is linked to a specific seller.	5 1
	5 3
· focus on key fields for	5 3
Each Extity.	5 3
@Products.	E 3
	5
· ID: Unique identifier for each	1
Name: Name of the Product (e.g. soga, Bed).	
reig. Sona, Bed).	
. Price: Cost per unit.	
· Stock: Quantity available.	

No.

· Category · Prochéd calegory (e.g., Sopas, Beds, chairs) Tags: Keywords or search terms (e.g "luxury", "New Armival"). Inders: 10: Unique relenti · Customer into. Name, contact. & address of the cu · Product Details. List of then quantities and the order. · Status: Order status (e.g. Peneling, 8 hipped, Delivered). tamp: Date and time when lorder vois placed.

seller's business address. ivery Name: Name ach shipment. Linked unde ghip e-9 transit, delivered).

Date: livery Date: Expeded on actual Udelivery date. STEP 04: (10:30 pm) Visualizing the Structure (Diagram Products Orders. Order ID Name Customer into (Linked to) Price Product Délais Stock status Category Timstomp. Tags Customers Payments Customer ID Payment ID Order ID Nome Paymen Metho Offil Eptinos Address Payment status. Order History Shipments Delivery Zones Shipment ID Zone Mame Converage Area order ID Exteris

Relationship Summary: (11:1 · Product <>> Orders. can be linked orders (i.e., one proc purchased multiple Orders -> Customers: A customer can have many · Orders <-> Shipments: order can home 8/20men logistics. Payments. Apple poyment for a strolle

· Shipments <-> Delivery Zones. Shipments are linked Cletivery zones, which define the geographic areas to for Joldlivery. Sellers (>> Products, Sellers offer products each Product of is linked to a Seller. STEP OSE. Ensure Flezibility for future Growth. · Scalability: This Schema Ps flexible l'enough to allow for fulure expansion, such as adding features like customers sewews, product satings, discounts on promotions.

Date: confegores can