Assignment - 2 Designing an ER diagram Fox an online Shopping Portal Scenario: you have been tooked with designing a destubase for an online shopping postal. This Portal allows customers to browse and Purchase. a wide vooriety of Broducts. The system needs to manage use accounts. Product in ventory, or des and Peyments ensuring a seamless shopping experience for cushomers and efficient management For the Portal administrations. Gntities and Aftributes: 1. alstomer · Customer ID (Primary (Rey): Unique identifies FULL name : FULL name of the customer 'Email: Email address of the automer 'Password': Persuord For account authoriz 'Contact number'; contact number 'Shipping address': Shipping address of the · Date i vined: Date the custon I vined the Porter

١	
1	2 Paroduct:
	· Product ID (Parimony 12ey); unique i dentific
	roduct.
	· Product name : Name of the Product
	Charles on the Color of the col
	· Perice: Perice OF the Peroduct
	· Shock Quantity: number of items available
	· Colo
	8 Category:
	& category:
	· Category ID (Paimary Rey); Unique identifies
	· Caterno
	· Category name! Name OR the category
	· · · · · · · · · · · · · · · · · · ·
	· 'Order ID' (Primary (Cey): - Unique identifier Pay
	· Order Contraction
	· Order Date: Date when the order was Placed
	· 'Order Status': - current Status OF the order
	· Customer ID' (Foreign trey); ID of the customer cuto Placed Order

6. Order debuil · Onder detail ID (Primary 1 veg) · Order ID' (Foseign Kay) · 'Product IO' (Poreign Rey) · 'Quantity · Price order 6. Payment · Payment ID (Primery Rey) · Order IP (Foreign Key) · Payment Date · CAMOUNI-· Payment cuethod Relationships; 1. Customer to worder: - A customer can Place multiple orders Relationship type: one-to-many · Customer ID' in Order references 'customer ID' I. Order to order detaile: An Order can consist or multiple order details each deteiling a Specific Product and it's overling · Relationship type: one-to-many · Order ID' in Order detail references 'Order

3. Product to order Details: Order details specific a Product · Relationship type: many - to - one · Phoduct ID' in Order Detail deferences Brodug 4. Category to Product: - A Product belongs to a specific confegure · Relationship by pe: many - to -one · Category ID' in Product References "conforgi 5. Order to payment: - Each order is associated · Relationship type: One to-one · Order ID' in Payment references (Order ID' in

ER- Diagram RePresentation: (CUSTOMES Customer Customer address Customes Customy contact Orderno Onder admin-Id date Drider Amount mare Admin name Order Admin Hor Tracking delair Admin rule Contains Ealegory Counta no vebsik. Tracking Coolegory wi 20 Online Product 10 Hay mara Shopping Product (Product 95 website calegory Has Product website confact name Brodno Powd-Paice Starz Supplier Supplies SUPPLIED - Jd Supprier name Supprier addless