How Everything Works:

a. User Registration (sign-up)

[user] → [sign-up form] → [sanity CMS saves Info] → [sends confirmation]

b. Browsing Products

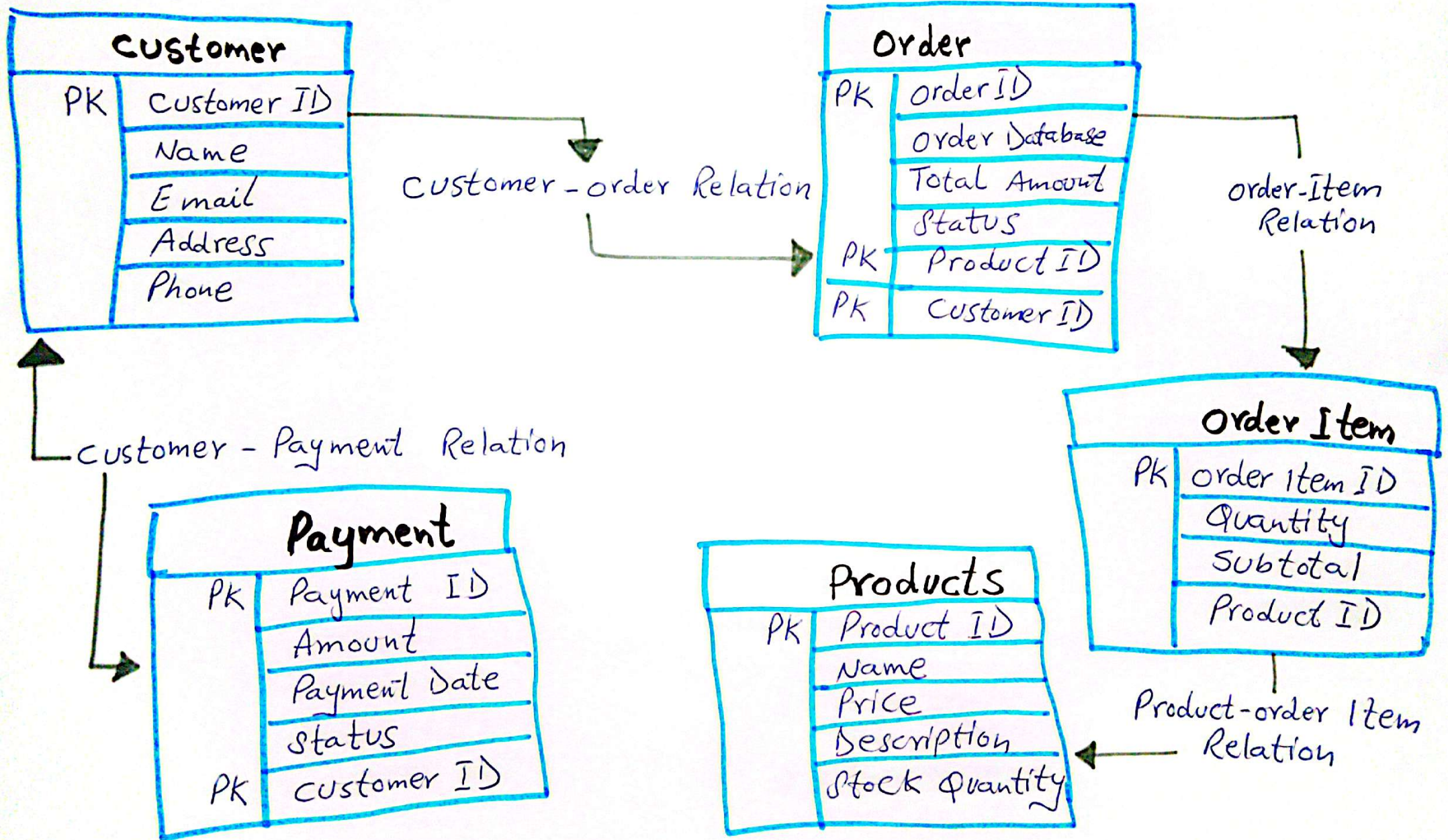[user] → [Product Page] → [sanity CMS] → [Products show on website]

c. Placing an order

[user] → [Add to cart] → [checkout] → [order saved in Sanity CMS] → [Payment Process]

d. Tracking the order

[user] → [order status Page] → [Delivery API] → [shows Tracking Info]

ER-DIAGRAM SAMPLE FOR E-COMMERCE PROJECT

Customer

PK	Customer ID
	Name
	Email
	Address
	Phone

Customer - order Relation

Order

PK	Order ID
	Order Database
	Total Amount
	Status
PK	Product ID
PK	Customer ID

order-Item Relation

Customer - Payment Relation

Payment

PK	Payment ID
	Amount
	Payment Date
	Status
PK	Customer ID

Products

PK	Product ID
	Name
	Price
	Description
	Stock Quantity

Order Item

PK	order Item ID
	Quantity
	Subtotal
	Product ID

Product-order Item Relation

CamScanner

How Everything Works:

a. User Registration (sign-up)

[user] → [sign-up Form] → [Sanity CMS Saves Info] → [sends confirmation]

b. Browsing Products

[user] → [Product Page] → [Sanity CMS] → [Products Show on website]

c. Placing an order

[user] → [Add to cart] → [checkout] → [order Saved in Sanity CMS]
[Payment Process] ←

d. Tracking the order

[user] → [order Status Page] → [Delivery API] → [shows Tracking Info]

API'S

- **Getting Product Info :**
  - Use GET requests to Show products from Sanity CMS.

- **Saving Orders:**
  - Use POST requests to store order details.

- **Tracking Orders :**
  - Use GET requests to Check delivery Status.

- **User Login/Sign-Up:**
  - Use POST requests to register or log in users.
  - GET/products → Show products
  - POST/orders → Save new orders.
  - GET/Shipment → Track delivery.
  - POST/auth/register → New user Sign-up.
  - POST/auth/login → User login.

HACKATHON 3
DAY 2
Planning Technical foundation

Technical Requirements:

1. Frontend Requirements:
   - User-friendly interface
   - Responsive Design
   - Essential Pages :
     - Home
     - About
     - Contact us

   - Product Listing /Shop:
   - Product Details
   - Cart
   - Check out
   - Order Confirmation