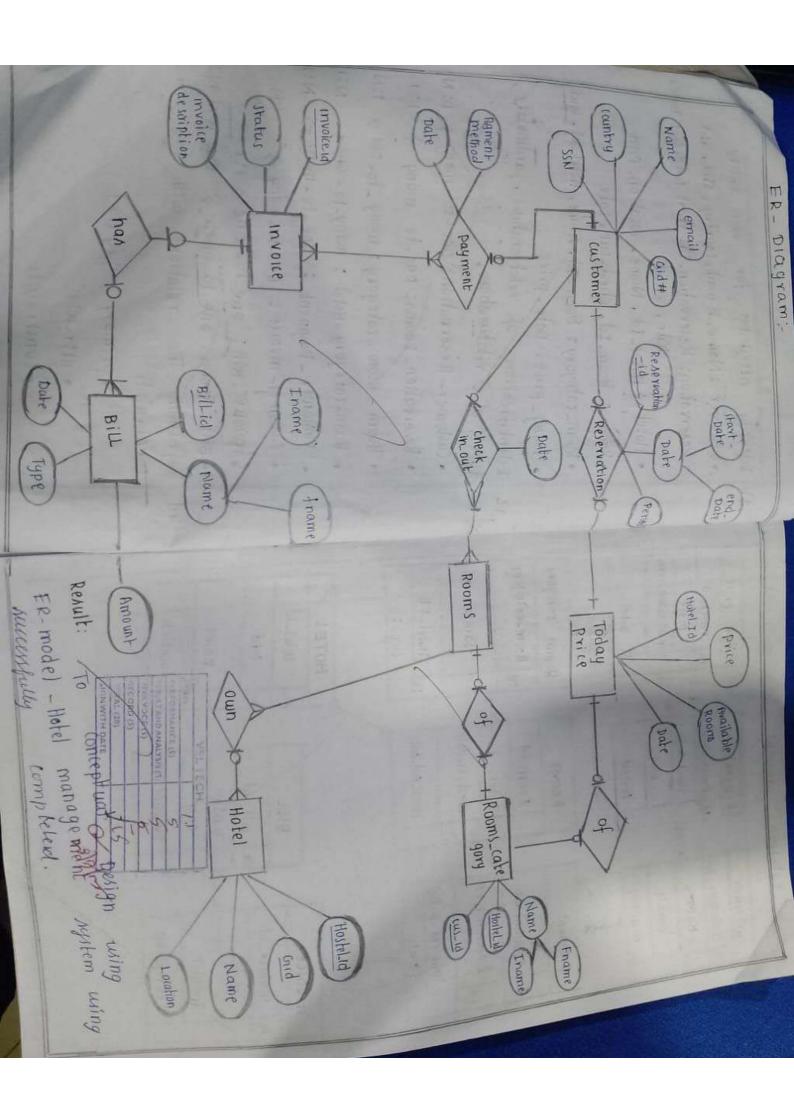
TASK 11.A) DATE : 28/7/2025 TITLE: Conceptual Derign using ER Model -Hostel management system AIM: To design using ER-model = Hotel management system. Goal: Manage hotel meservations, customer data, room availability, billing. and payments efficiently Requirements: · Customer registration · Room reservation & availability · Billing & invoice generation · payment tracking · Hotel & Room category information (1a) Identify major Entities From The diagram, The main entities are: · payment · Customer · invoice · Reservation · Bill · Today price · Hotel · Room

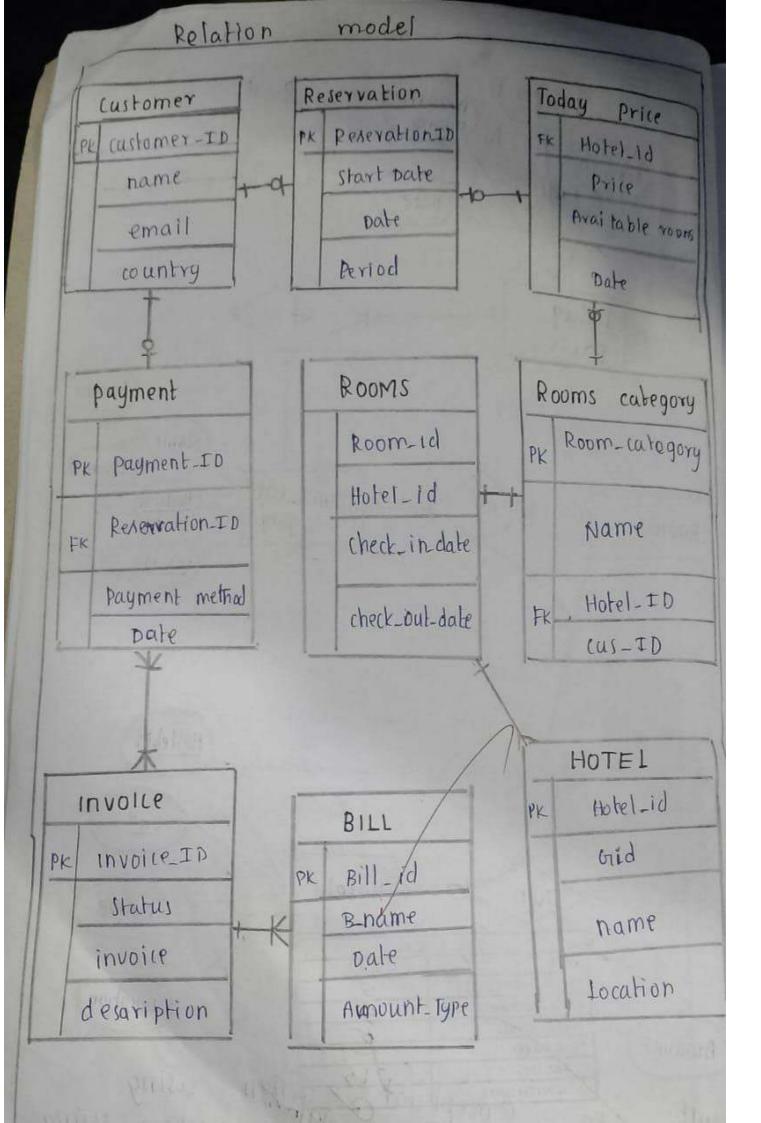
· Room_category

11	Identify Attributes for each Entity
	· Customer : Name F-mail : country , SSN , GId
	· Reservation: Reservation-id, start. Date, End Date
	• Hotel: Hotel-Id, Name, location, Gild
30	· Room: Room Td. check-out, Date
	· Room_category: Room_Id, name, Hotel_id, hid
C	· Today_price: Date, price Identification of relationships, cardinality,
	type of relationship.
1	· Customer - Reservation: one-to-many > 1:N
1	· Reservation_Rooms: one-to_many => 1:1
1	· Room - Room - category: many _to-one => 1:N
1	. Room_category_Hotel: many_to-one → N:1
1	· Customer - Payment: One-to-many => N:1
1	· Customer-Invoice: one-to-many => 1:N
1	. invoice_Bill: one_to_one ⇒ 1:1
1	• Bill - Rooms: one-to-one => 1:N (or) N:N
R	eframing the relations with key and
1	onAtraints
1	oprimary key (pk)
	· Attributes

· Constraints

ıd





Task : (1.B) Date: 28/7/2025

AIM :

Reframing The nelations with key and constraints show in Relational model



RESULT: To conceptual Design using ER-model HoTel management system
successfully completed.