ER Diagram

Prof. Name : P M Jat

Topic : Hotel Management

Group No. : G4_3

Team Member details :

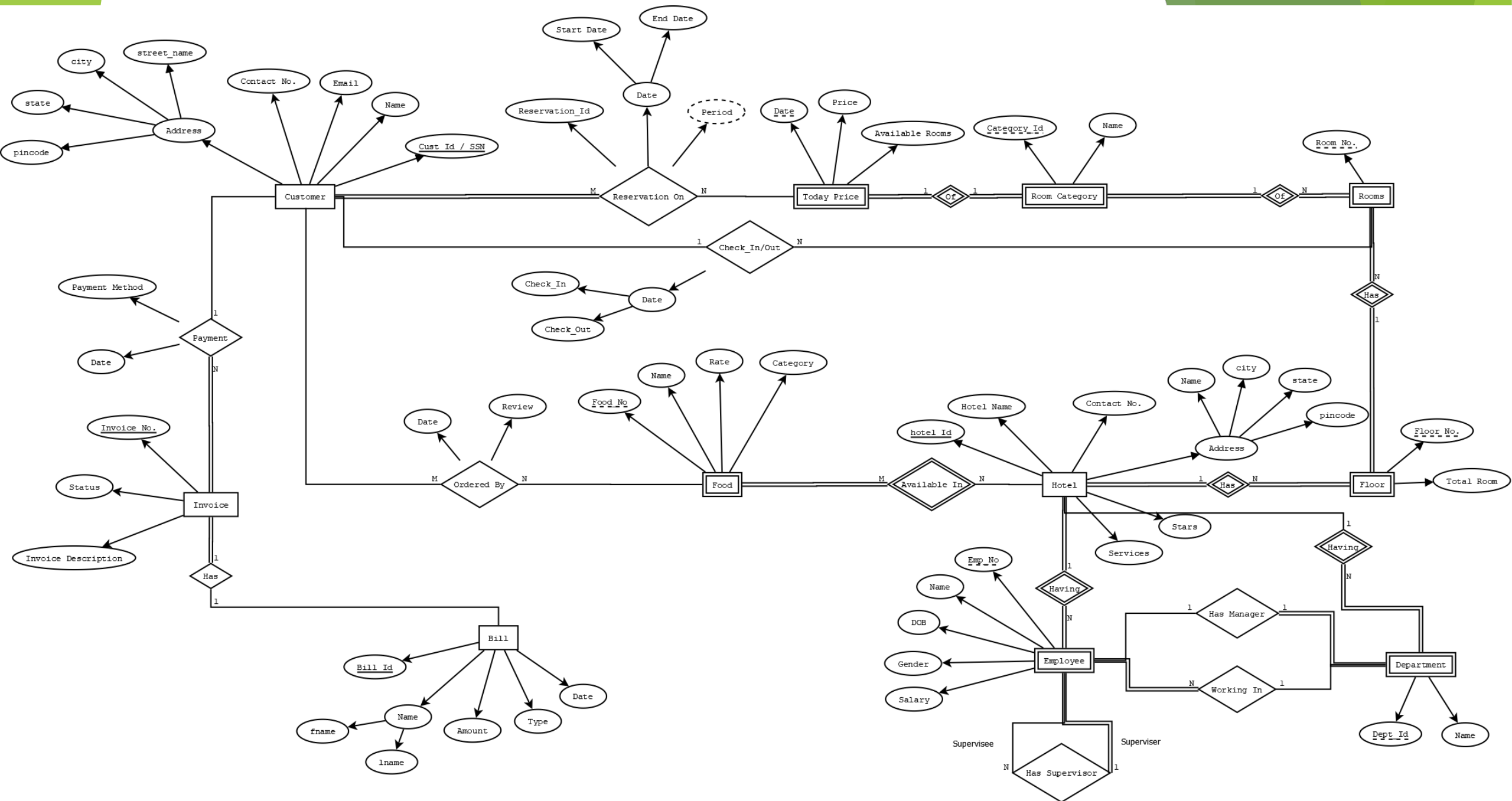| Name	Student Id
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Entity-Relationship (ER) Diagram — Hotel Management System

Customer entity with attributes: city, street_name, state, pincode, Address, Contact No., Email, Name, Cust Id / SSN

Reservation On (M:N relationship) with attributes: Reservation_Id, Date (Start Date, End Date), Period

Today Price entity with attributes: Date, Price, Available Rooms

Room Category entity with attributes: Category_Id, Name — connected via "Of" (1:1)

Rooms entity with attribute: Room No. — connected via "Of" (1:N)

Check_In/Out (1:N relationship) with attribute: Date (Check_In, Check_Out)

Payment relationship with attributes: Payment Method, Date (1:N)

Invoice entity with attributes: Invoice No., Status, Invoice Description

Ordered By (M:N relationship) with attributes: Date, Review

Food entity with attributes: Food_No, Name, Rate, Category

Available In (M:N relationship)

Hotel entity with attributes: Hotel Name, Contact No., hotel Id, Address (Name, city, state, pincode), Stars, Services

Floor entity with attributes: Floor No., Total Room — connected via "Has" (1:N)

Has (relationship) — Rooms to Floor (N:1)

Having relationship

Employee entity with attributes: Emp_No, Name, DOB, Gender, Salary

Has Manager (1:1), Working In (N:1), Has Supervisor (Supervisee N, Superviser 1)

Department entity with attributes: Dept_Id, Name

Bill entity with attributes: Bill Id, Name (fname, lname), Amount, Type, Date

Has relationship — Invoice to Bill (1:1)

Changes made :

▶ We here added new relation named Today Price. There is date attribute and available rooms details. User can also see current rate of rooms with different category.

▶ Also added invoice details and bills details. Where first customer get invoice of his payment. Then user have to choose way of payment and after payment he get bill.

▶ Other than that there is addition details added about customers check in/out details In room relation.