Assignment # 4
"Database Systems"

Topic : "ERD Assignment"

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ERD : 1

Entities:

Books, Authors, Categories, Customers, Orders, Order Items

Attributes:

1. **Books :** Book_ID, Title, Auth_ID, Cat_ID, Price

2. **Authors :** Auth_ID, Name, Bio

3. **Categories :** Cat_ID, Name

4. **Customers :** Cust_ID, Name, Email

5. **Orders :** Order_Num, Cust_ID, Order_date, Total

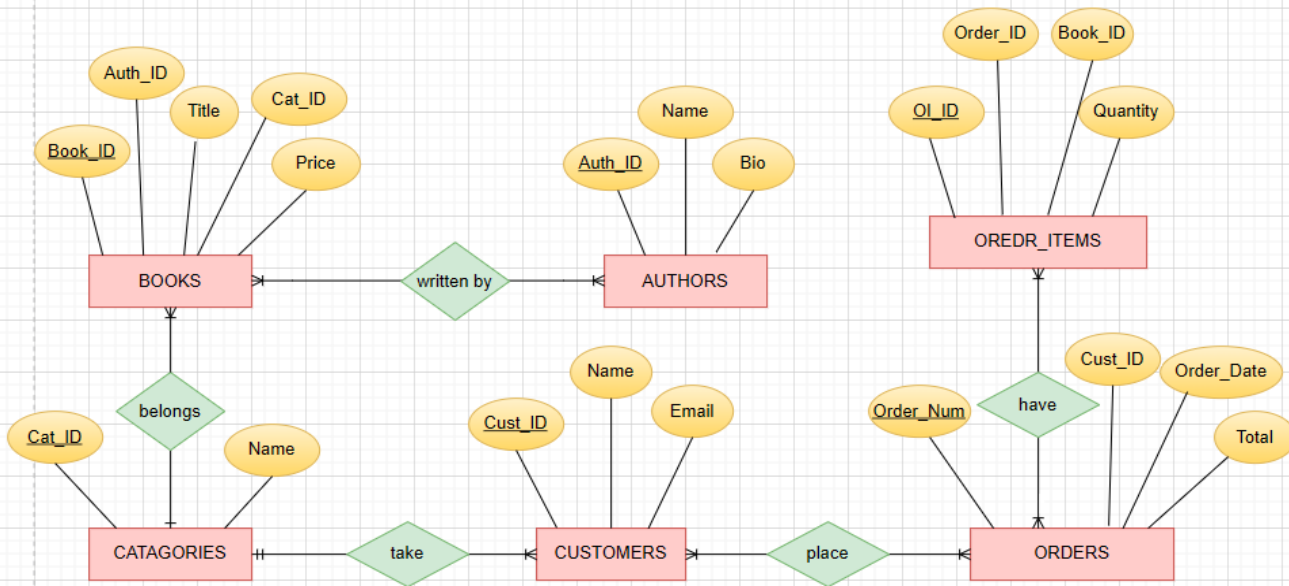6. **Order Items :** OI_ID, Order_Num, Book_ID, Quantity

Identifiers:

Book_ID, Auth_ID, Cat_ID, Cust_ID, Order-Num, OI_ID

ERD for Online Book Store

ERD : 2

Entities:

Guest, Room, Reservation, Staff, CheckInOut

Attributes:

1. **Guest :**   Guest_ID, Name, Address, Ph_No, Email

2. **Room :**   Room_ID, Room_No, Type, Price

3. **Reservation :**   Reser_ID, Guest_ID, Room_ID, CheckIn_date, CheckOut_date, Reser_date

4. **Staff :**   Staff_ID, Name, Ph_No, Address, Post

5. **CheckInOut :**   CheckInOut_ID, CheckIn_time, CheckOut_time, Staff_ID, Reser_ID

Identifiers:

Guest_ID, Room_ID, Reser_ID, Staff_ID, CheckInOut_ID

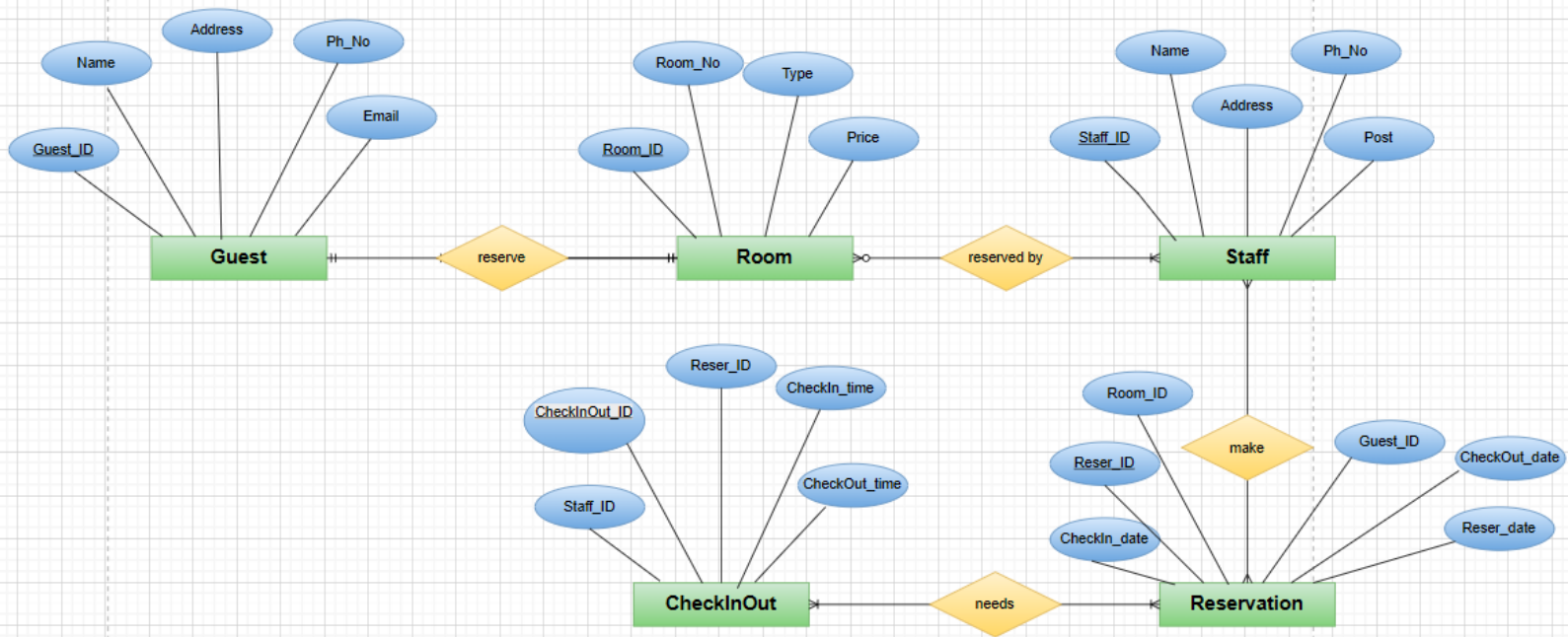# ERD for Hotel Management System

Thanks