



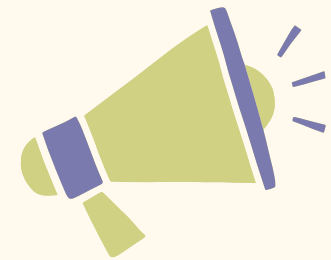
DBMS PROJECT PRESENTATION

Market

ooo

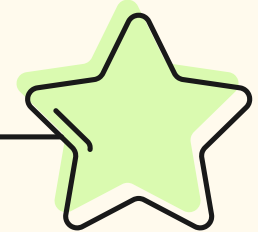
Services

HOTEL MANAGEMENT SYSTEM



Reservations

Presented by:
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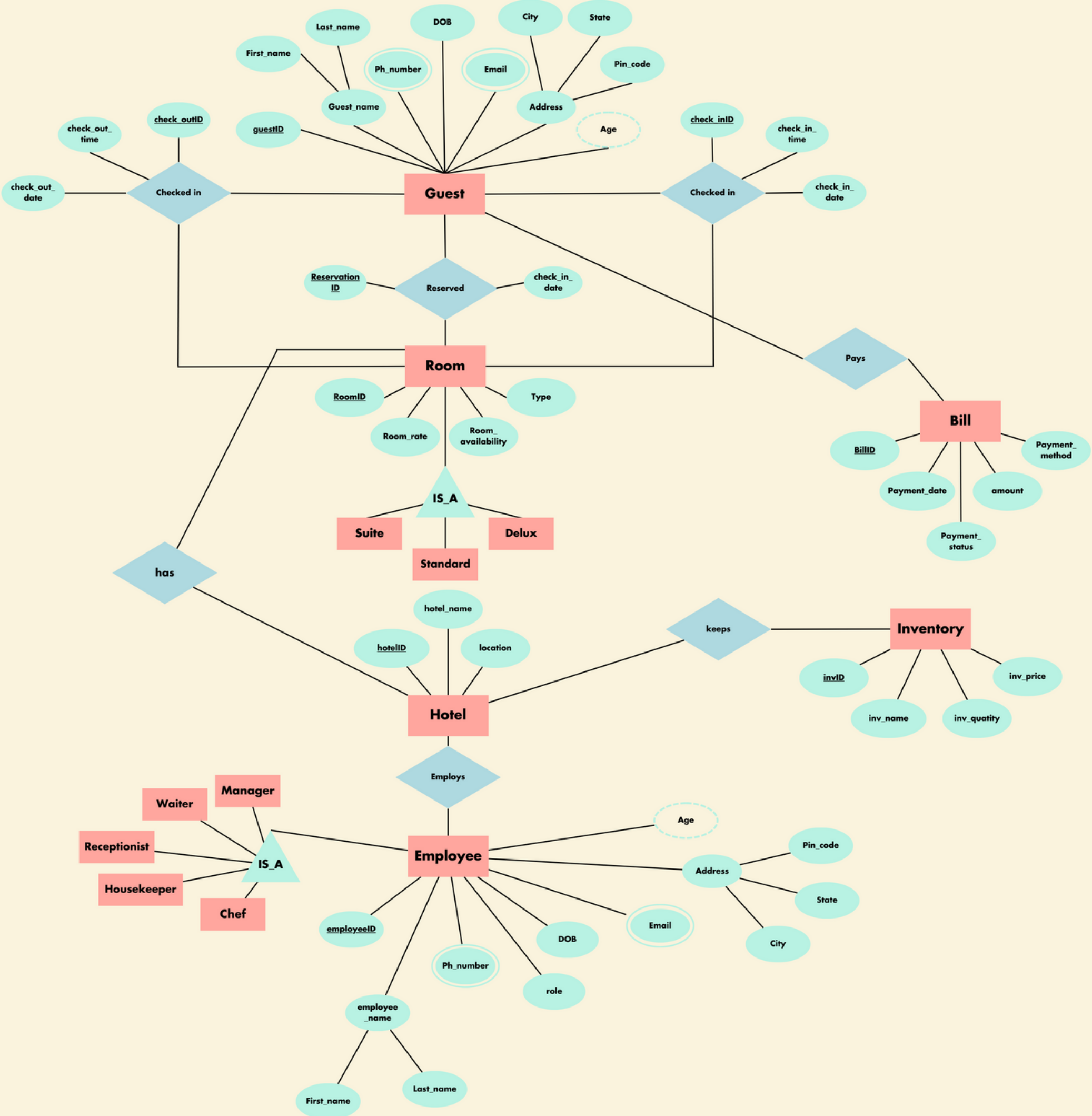
Feedback



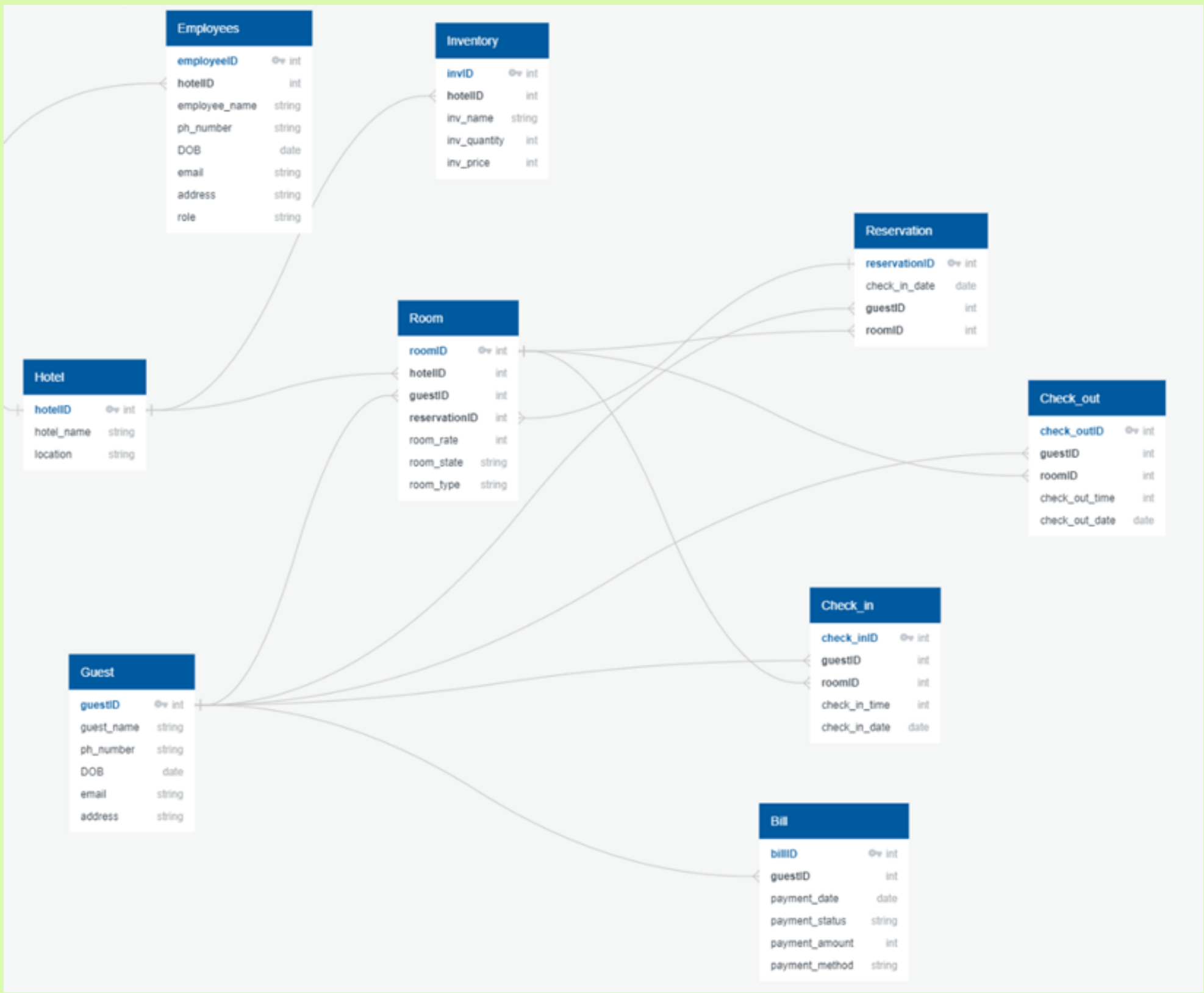
INTRODUCTION

- A hotel management system is an integrated software platform designed to help hotel managers and staff manage their operations effectively.
- It helps automate a range of processes, from managing room reservations to billing and accounting.
- The system can also assist in managing staff, resources, and facilities, while providing critical business intelligence to help hotel managers make informed decisions.
- A hotel management system typically consists of a database that stores information about guests, rooms, staff, inventory, and other essential aspects of hotel management.
- The system allows for data entry and retrieval, as well as reporting and analysis.

ER DIAGRAM



ER DIAGRAM TO TABLE



ENTITIES

- Hotel
- Employee
- Inventory
- Guest
- Room
- Bill

RELATIONS

- checked_in
- checked_out
- reserved
- employs
- keeps
- has
- pays



NORMALISATION

1NF

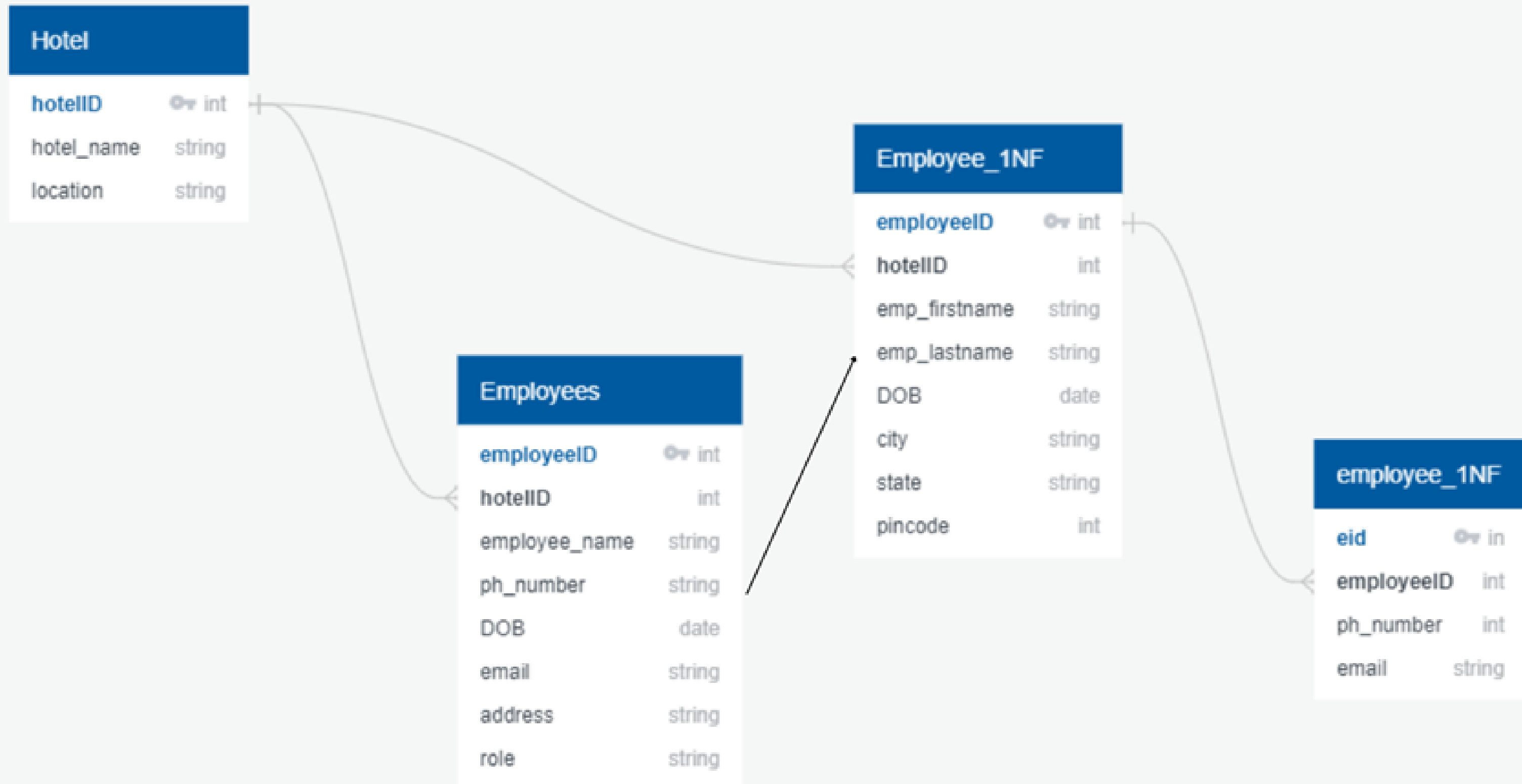
Guest	
guestID	int
guest_name	string
ph_number	string
DOB	date
email	string
address	string

Guest_1NF	
guestID	int
guest_firstname	string
guest_lastname	string
DOB	date
city	string
state	string
pincode	int

guest_1NF	
gid	int
guestID	int
ph_number	int
email	string



1NF



2NF

Check_out	
check_outID	int
guestID	int
roomID	int
check_out_time	int
check_out_date	date

check_out2NF	
check_outID	int
guestID	int
roomID	int

Check_out_2NF	
check_outID	int
check_out_time	int
check_out_date	date

Check_in	
check_inID	int
guestID	int
roomID	int
check_in_time	int
check_in_date	date

check_in2NF	
check_inID	int
guestID	int
roomID	int

Check_in_2NF	
check_inID	int
check_in_time	int
check_in_date	date

Bill	
billID	int
guestID	int
payment_date	date
payment_status	string
payment_amount	int
payment_method	string

bill_2NF	
billID	int
guestID	int

Bill_2NF	
billID	int
payment_date	date
payment_status	string
payment_amount	int
payment_method	string

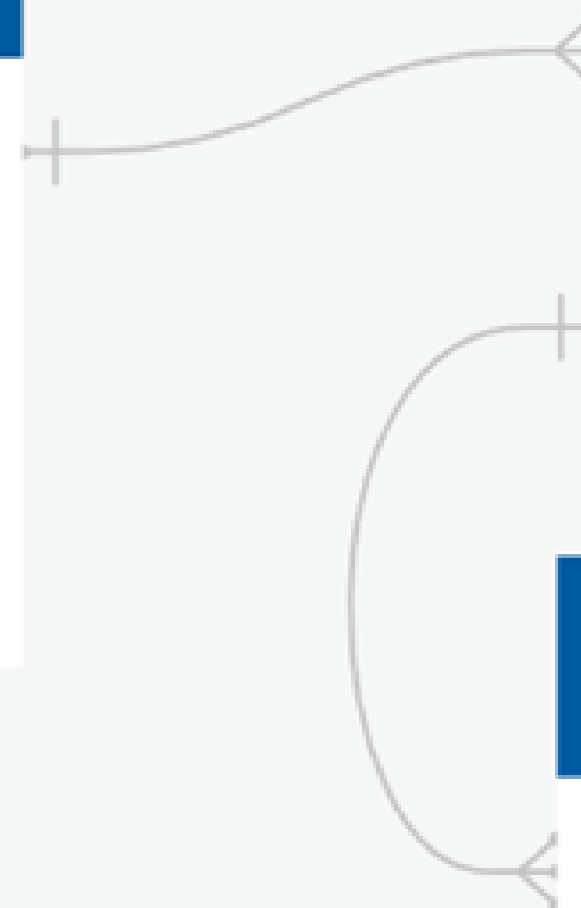
3NF

Room		
roomID	int	key
hotelID	int	
guestID	int	
reservationID	int	
room_rate	int	
room_state	string	
room_type	string	

room		
roomID	int	key
hotelID	int	
guestID	int	
reservationID	int	

Room		
roomID	int	
room_state	string	
room_type	string	

room_		
room_type	int	key
room_rate	int	





PL/SQL

**PROCEDURES, TABLES
AND FUNCTIONS**

ADD_EMPLOYEE

p()

Procedure

Status: Valid

Created 4 seconds ago

ADD_GUEST

p()

Procedure

Status: Valid

Created 4 seconds ago

ADD_INV

p()

Procedure

Status: Valid

Created 4 seconds ago

ADD_ROOM

p()

Procedure

Status: Valid

Created 4 seconds ago

BILL

Table

Table

Status: Valid

Created 5 seconds ago

CHECK_IN

Table

Table

Status: Valid

Created 5 seconds ago

CHECK_IN_OUT_REPORT

p()

Procedure

Status: Valid

Created 4 seconds ago

CHECK_OUT

Table

Table

Status: Valid

Created 5 seconds ago

CHECK_ROOM

fx

Function

Status: Valid

Created 4 seconds ago

CIN_GUEST

p()

Procedure

Status: Valid

Created 4 seconds ago

COUT_GUEST

p()

Procedure

Status: Valid

Created 4 seconds ago

EMPLOYEE

Table

Table

Status: Valid

Created 5 seconds ago

GENERATE_BILL

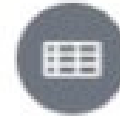


Procedure

Status: Valid

Created 4 seconds ago

GUEST

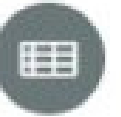


Table

Status: Valid

Created 5 seconds ago

HOTEL



Table

Status: Valid

Created 5 seconds ago

INVENTORY



Table

Status: Valid

Created 5 seconds ago

MAKE_RESERVATION

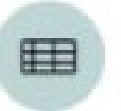


Procedure

Status: Valid

Created 4 seconds ago

RESERVATION



Table

Status: Valid

Created 5 seconds ago

RESERVATIONS_REPORT

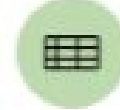


Procedure

Status: Valid

Created 4 seconds ago

ROOM



Table

Status: Valid

Created 5 seconds ago

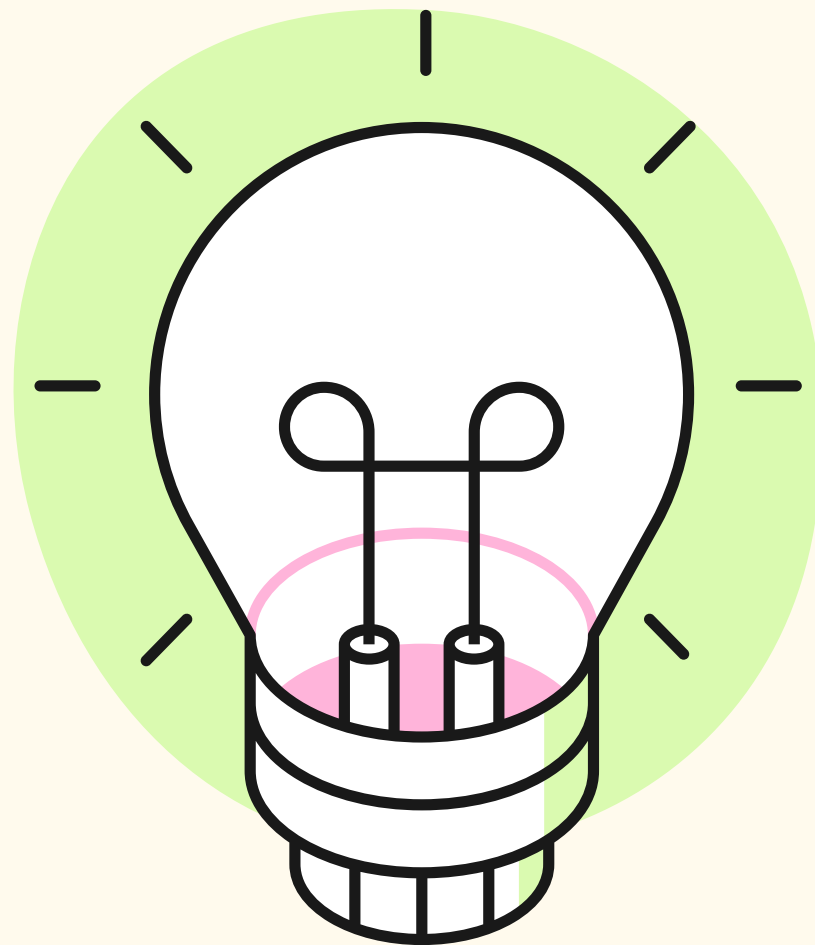
UPDATE_EMPLOYEE



Procedure

Status: Valid

Created 4 seconds ago



CONCLUSION

Hotel needs to maintain the record of guests and reserve rooms beforehand. Customers should be able to know the availability of the rooms on a particular date. They should be able to reserve the available rooms according to their need in advance so as to make their stay comfortable. No hotel reservation system can operate alone in the hotel



DBMS PROJECT PRESENTATION

THANK YOU

Submitted to:

Ms. Archana Singh

