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BSE 21BFT 3

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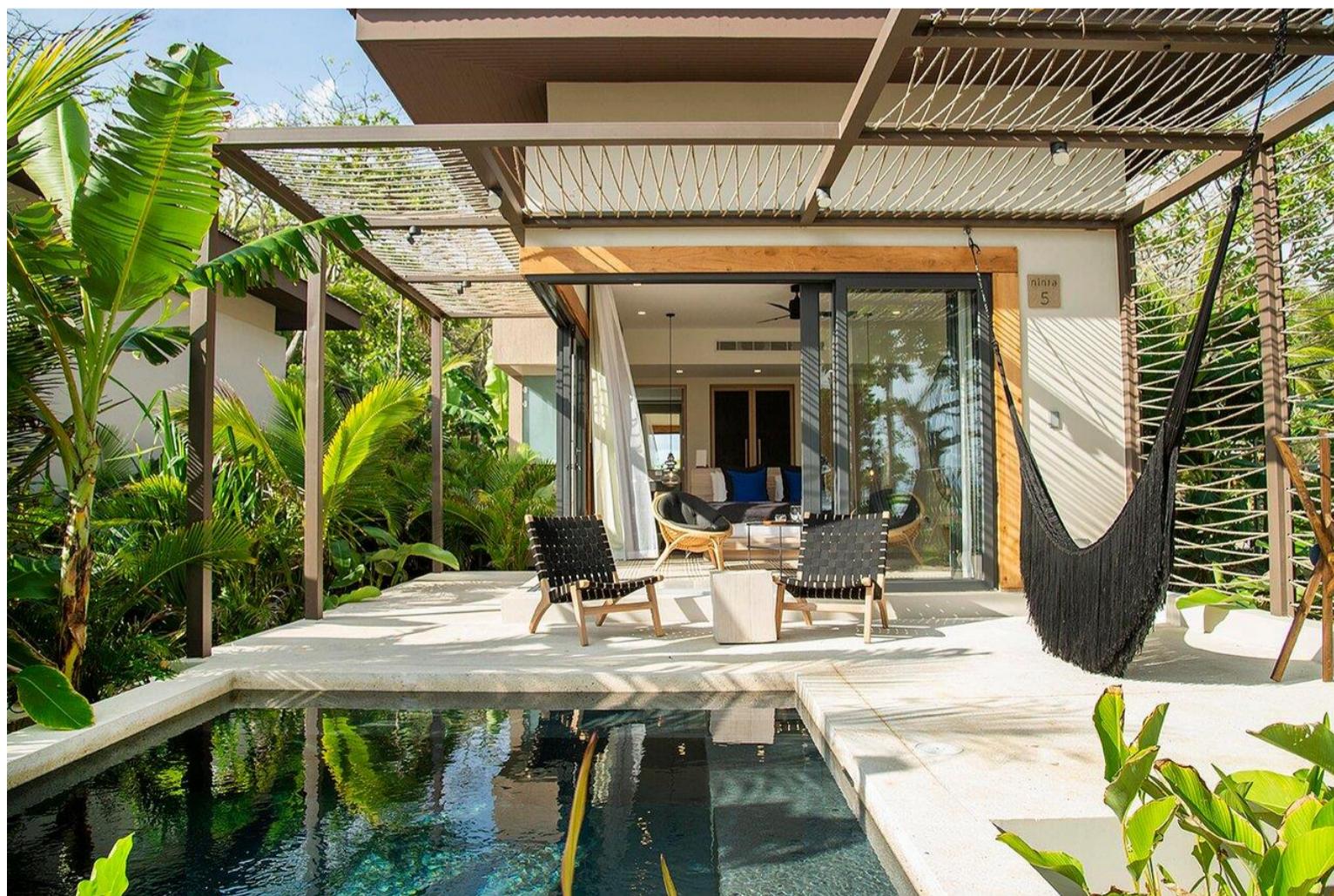
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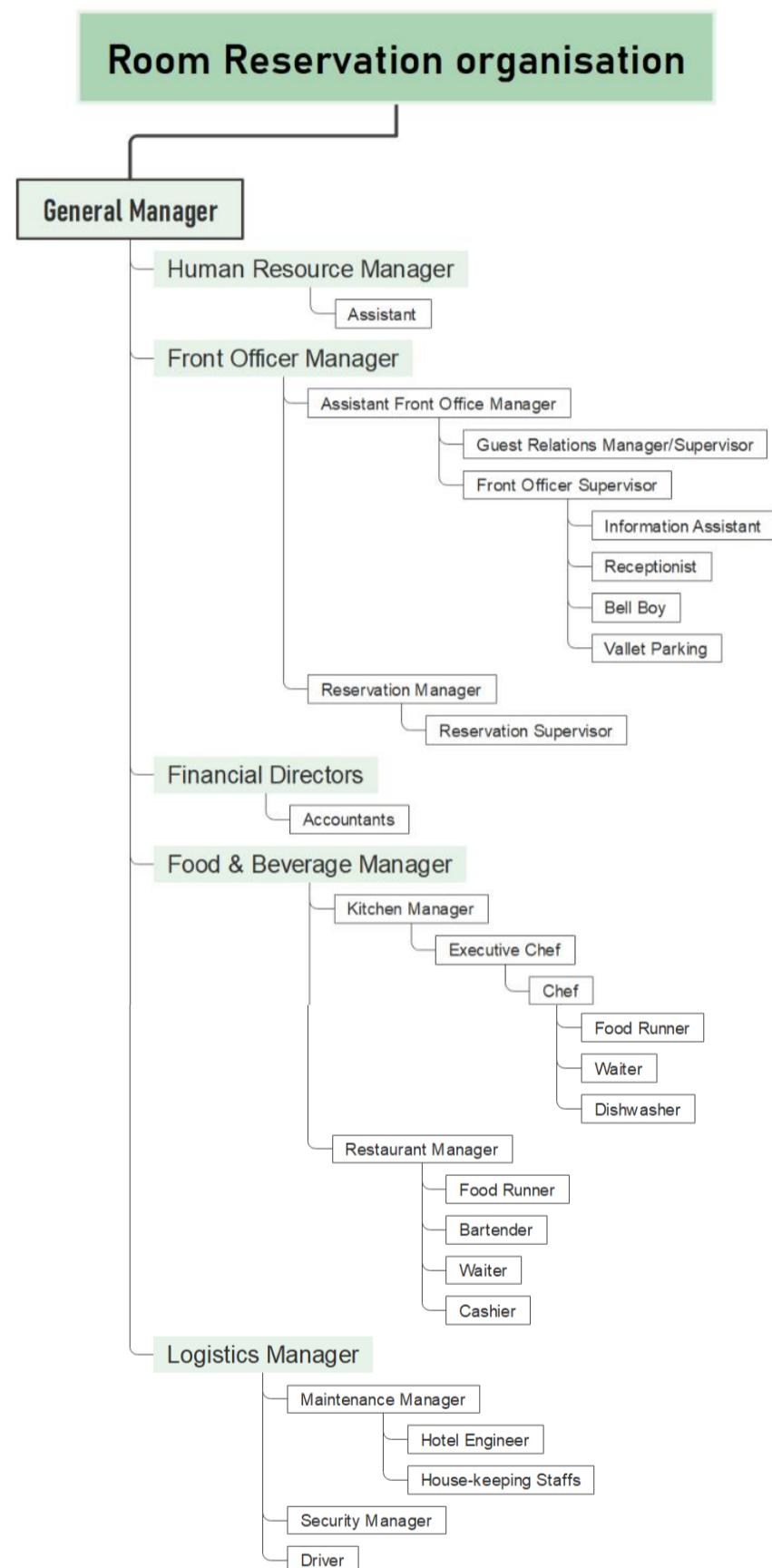
Introduction

PARADISE HOTEL

Our hotel is a 3-star small hotel found at Pointe aux Cannoniers. It was established in 2001 by Mr Ronnie Salvatore. We have an estimate 15000 clients and an income of Rs 20millions per year. We try to provide best clientele to clients and have amazing outdoor activities.



Room Reservation Organisation Chart



Description

Main ideas

- Advanced booking
- a confirmation letter to guests
- provide the specified room type to the guest and the guest must agree to pay all relevant charges.
- reservation team report to the general manager.

Activities carried out in reserving a room:

1. Forecasting – forecast future revenue
2. Rate Floating - hotel's rates availability on online and offline channels without any rate parity.
3. Availability - to maintain the hotels available on all online and offline channels.
4. Guest satisfaction - The hotel can plan its activities and be prepared to receive guests. They are able to provide the necessary services and facilities like security, transfers, preference of rooms to known guests, providing complimentary and any particular service asked by the guest at the time of making the reservation.
5. Scheduling of staff - Hotel staff may be scheduled more accurately to void understaffing or overstaffing problems.

Communication with the hotel

- connect with the hotel via a telephone, email, online, social media. The reservation request may be made in person, over a telephone, in a mail, through the internet, social media, mobile apps, instant messaging systems(WhatsApp, Facebook, Messenger through global distribution system or through an inter sell agency.

How reservation works - Once a hotel is contacted by a guest about reserving space its staff must intelligently formulate the reservation request and complete a computerised reservation record in the hotel management software.

In formulating the reservation request, the three most important factors are:

- a) the expected date of arrival and departure
- b) the desired room types
- c) the number of rooms needed.

Using this information, the hotel staff can search the room availability file via the designated arrival date. If the date is not closed the reservation agent proceeds by checking room type and the number of rooms available.

Along with this preliminary data, a reservation record will usually be judged complete when it includes the following information:

- Guest's Profile Data.
- Arrival date and time and departure date.
- Room type requested.
- Type of bed(optional)
- Billing Instruction
- Any other Details or special remarks.

A reservation can either be accepted or denied or turned away based on the availability of rooms in the day(s) in question. An acceptance would lead the receptionist into the confirmation phase. If either the hotel or the guest wishes to alter or cancel the reservation, this can be done only through a mutual agreement. If a guest fails to inform the hotel about their cancellation the hotel property may decide to retain the advance deposit received from the guest earlier to cover up for any loss of accommodation revenue.

The confirmation establishes:

- A check on the entered reservation request data and satisfaction of the reservation request.
- An agreement of room rates.
- An agreement of method of payment.
- A statement of the hotel's cancellation procedure.
- Once the reservation has been accepted and confirmed many changes to reservation record can occur prior to the guest's arrival. Changes in the arrival or departure dates, number of rooms required, adding pickup details, reconfirmation. Any time a change in a reservation record is required, the reservation record must be pulled and updated according to the guest request to keep the reservation-related data up to date.

Problems with current-based system:

- Booking
Customers will have to wait for a long period of time to make booking and at the time of booking get to know that there is no room left.
- Payment monitor
It is quite difficult to keep track of each transaction that have taken placed in the hotel and it is difficult to calculate the total for each bill manually.
- Room monitor
It is a lot of work to keep track of which room is occupied or not and also which type of room.

Solutions

- Booking
The online booking system will be able to enter data more quickly and be able to keep track of previous booking information.
- Payment monitor
The field total will be able to calculate the total for the bill of each guest. The transaction information will be kept easily.
- Room monitor
The system will already contain data on which room is available and also which type of room. This information can also be updated easily.

Business rule

Booking – Guest

- Each booking must be made by only one guest.
- One guest can make one or many bookings.

Booking – Employee

- Each booking must be entered by only one employee.
- One employee can make one or many bookings.

Booking – Room

- Each booking can belong to one or many rooms.
- Each room must belong to one and only one booking.

Room – Room Type

- Each room must include one and only one room type.
- One room type can have one or many room.

Guest – Bill

- One guest can pay one or many bills.
- Each bill must be paid by one and only one guest.

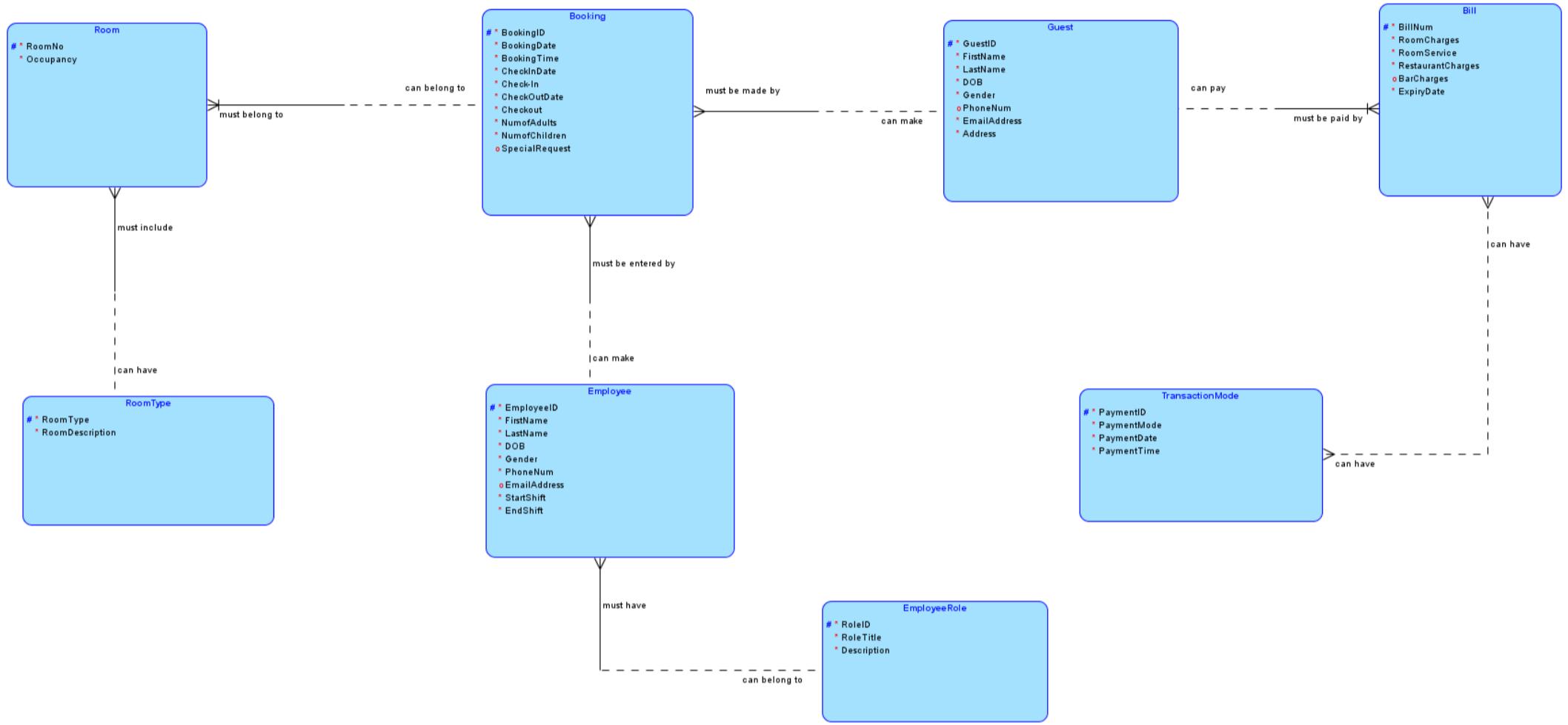
Bill – Transaction Mode

- Each bill can have one or many transactions mode.
- One transaction can have one or many bills.

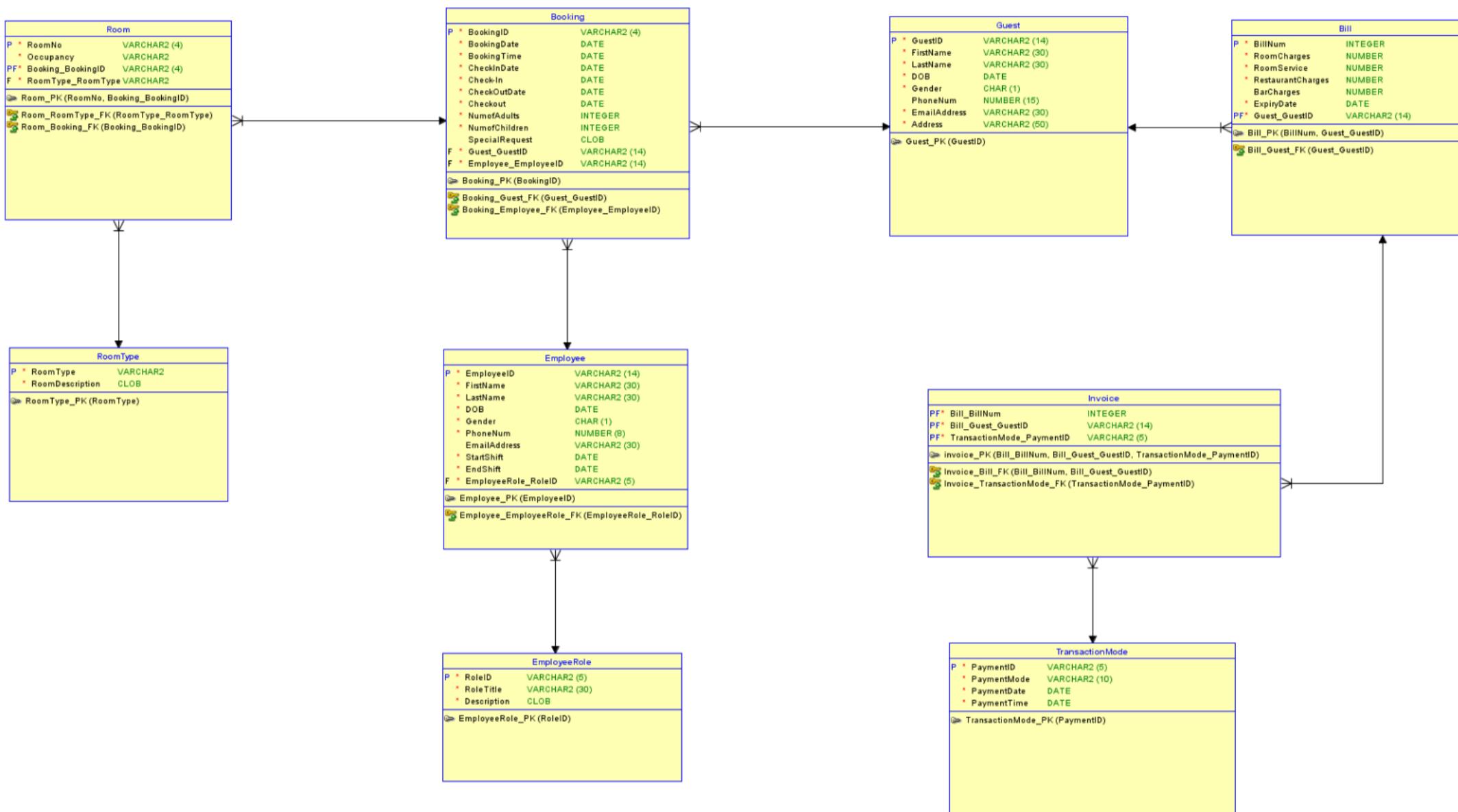
Employee – Role

- Each employee must have one and only one role.
- One role can belong to one or many employees.

Logical ERD



Physical ERD



Data Dictionary

Booking

Field Name	Data Type	Field Size	Constraints	Description	Example
BookingID	Varchar	4	Primary Key	Unique record of each booking	4011
BookingDate	Date	8	Not Null	Date when booking was made	01.05.2022
BookingTime	Time	4	Not Null	Time when booking was made	1:00PM
CheckInDate	Date	8	Not Null	Check-in Date in Hotel	01.07.2022
CheckIn	Time	4	Not Null	Check-in Time in Hotel	2:00PM
CheckOutDate	Date	8	Not Null	Checkout Date in Hotel	03.07.2022
Checkout	Time	4	Not Null	Checkout Time in Hotel	2:00PM
NumofAdults	Integer	2	Not Null	Number of adults	2
NumofChildren	Integer	2	Not Null	Number of children	0
SpecialRequest	Text	100	Null	Special request if any	Birthday Cake for dinner on 09.07.2022
GuestID	Varchar	14	Foreign Key	Unique record of each guest	0271195927397M
EmployeeID	Varchar	14	Foreign Key	Unique record of each employee	0050770481934M

Guest

Field Name	Data Type	Field Size	Constraints	Description	Example
GuestID	Varchar	14	Primary Key	Unique record of each guest	0271195927397M
FirstName	Varchar	30	Not Null	First Name of guest	Elodie
LastName	Varchar	30	Not Null	Last Name of guest	Macquet
DOB	Date	8	Not Null	Date of birth of guest	27.11.95
Gender	Char	1	Not Null	Gender of guest (M or F)	F
PhoneNum	Number	15	Null	Phone number of guest	+23057693013
EmailAddress	Varchar	30	Not Null	Email address of guest	elodiemac@outlook.com
Address	Varchar	50	Not Null	Address of guest	Curepipe, Mauritius
BookingID	Varchar	4	Primary Key	Unique record of each booking	4011

Employee

Field Name	Data Type	Field Size	Constraints	Description	Example
EmployeeID	Varchar	14	Primary Key	Unique record of each employee	0050770481934M
FirstName	Varchar	30	Not Null	First Name of employee	Sheena
LastName	Varchar	30	Not Null	Last Name of employee	Mukhish
DOB	Date	8	Not Null	Date of birth of employee	05.07.1970
Gender	Char	1	Not Null	Gender of employee	F
PhoneNum	Number	15	Not Null	Phone number of employee	+23057732901
EmailAddress	Varchar	30	Null	Email address of employee	s.mukhish@gmail.com
StartShift	Time	4	Not Null	Start shift of employee	12PM
EndShift	Time	4	Not Null	End shift of employee	8PM
RoleID	Varchar	5	Foreign Key	Unique record of each employee role	H010R
BookingID	Varchar	4	Primary Key	Unique record of each booking	4011

Room

Field Name	Data Type	Field Size	Constraints	Description	Example
RoomNo	Varchar	4	Primary Key	Unique record of each room	5078
Occupancy	Varchar	20	Not Null	Occupancy of room	CO - Check-Out
BookingID	Varchar	4	Foreign Key	Unique record of each booking	4011
RoomType	Varchar	20	Foreign Key	Unique record of each room type	Suite

Room Type

Field Name	Data Type	Field Size	Constraints	Description	Example
RoomType	Varchar	20	Primary Key	Unique record of each room type	Suite
RoomDescription	Text	255	Not Null	Description of the room	King size bed

Bill

Field Name	Data Type	Field Size	Constraints	Description	Example
BillNum	Varchar2	4	Primary Key	Unique record of each Bill Number	0001
RoomCharges	Number	6	Not Null	Unique price of one room	Rs 10 000
RoomService	Number	6	Not Null	Price of food and beverages ordered to room	Rs 1 000
RestaurantCharges	Number	6	Not Null	Price for eating at the hotel restaurant	Rs 4 000
BarCharges	Number	6	Null	Price of drinks served at the bar	Rs 2 000
ExpiryDate	Date	8	Not Null	Expiry Date of bill	
GuestID	Varchar	14	Foreign Key	Unique record of each guest	0271195927397M

Invoice

Field Name	Data Type	Field Size	Constraints	Description	Example
BillNum	Varchar2	4	Foreign Key	Unique record of each receipt	0001
GuestID	Varchar	14	Foreign Key	Unique record of each guest	0271195927397M
PaymentID	Varchar	5	Foreign Key	Unique record for each payment made	CC846

Transaction Mode

Field Name	Data Type	Field Size	Constraints	Description	Example
PaymentID	Varchar	5	Primary Key	Unique record of each payment	CC838
PaymentMode	Varchar	30	Not Null	Method of payments	Credit card
PaymentDate	Date	8	Not Null	Date of payment	22.06.22
PaymentTime	Time	4	Not Null	Time of payment	3:00 PM

Employee Role

Field Name	Data Type	Field Size	Constraints	Description	Example
RoleID	Varchar	5	Primary Key	Unique record of each employee role	R005T
RoleTitle	Varchar	30	Not Null	Role title	Receptionist
Description	Text	200	Not Null	Description of role title	Checking booking details

Sample Data

Booking

BookingID	GuestID (FK)	EmployeeID (FK)	BookingDate	BookingTime	CheckInDate	Check-In	CheckOutDate	Check Out	NumOfAdults	NumOfChildren	SpecialRequest
4011	0271195927397M	0050770481934M	01.05.2022	1:00PM	01.07.2022	2:00PM	03.07.2022	3:00PM	2	0	Birthday Cake for dinner on 09.07.2022
4012	0200988170520S	0170995471903R	03.05.2022	9:05AM	05.07.2022	2:00PM	10.07.2022	3:00PM	2	2	
4013	0051091676806P	0140581937202L	03.05.2022	3:49PM	06.07.2022	2:00PM	25.07.2022	3:00PM	2	3	Anti-allergy bedding
4014	0090192974707M	0181197743600S	05.05.2022	2:18PM	06.07.2022	2:00PM	11.07.2022	3:00PM	3	0	
4015	0171198582805D	0250383009267M	07.05.2022	12:45AM	08.07.2022	2:00PM	25.07.2022	3:00PM	2	0	
4016	0180376519361L	0111200872401P	08.05.2022	8:04AM	11.07.2022	2:00PM	17.07.2022	3:00PM	2	0	Late checkout
4017	0140889765480M	0250789937202L	08.05.2022	9:13PM	12.07.2022	2:00PM	19.07.2022	3:00PM	2	2	
4018	0171291564597L	0220697743600S	08.05.2022	9:32PM	12.07.2022	2:00PM	19.07.2022	3:00PM	2	3	
4019	0150186654321S	0150395872401P	09.05.2022	7:19PM	12.07.2022	2:00PM	24.07.2022	3:00PM	1	0	
4020	0091189776854P	0140585937201T	11.05.2022	5:15AM	12.07.2022	2:00PM	23.07.2022	3:00PM	2	3	
4021	0050575086544M	0280490009267M	12.05.2022	4:27PM	13.07.2022	2:00PM	17.07.2022	3:00PM	2	0	Early check-in
4022	0190890759379B	0300599177659J	14.05.2022	5:00PM	14.07.2022	2:00PM	26.07.2022	3:00PM	2	2	
4023	0170487752965F	0051170896457C	16.05.2022	2:45PM	14.07.2022	2:00PM	22.07.2022	3:00PM	2	2	
4024	0010195763963P	0030299536726G	17.05.2022	6:54PM	16.07.2022	2:00PM	21.07.2022	3:00PM	2	0	Room with a view
4025	0020492653290L	0111099471903W	17.05.2022	7:30PM	19.07.2022	2:00PM	25.07.2022	3:00PM	2	3	

Guest

GuestID	BookingID	FirstName	LastName	DOB	Gender	PhoneNum	EmailAddress	Address
0271195927397M	4011	Elodie	Macquet	27.11.95	F	+23057693013	elodiemac@outlook.com	Curepipe, Mauritius
0200988170520S	4012	Neil	Smulders	20.09.88	M		n.smulders@gmail.com	Bonnyville, Canada
0051091676806P	4013	Panayotis	Pasto	05.10.91	M		pana.perso@live.gr	Athena, Greece
0090192974707M	4014	Julia	Macy	09.01.92	F	+27810005933	macyjulia2@hotmail.com	Cape Town, South Africa
0171198582805D	4015	Martin	Dawkins	17.11.98	M	+445556374009	d.marti98@gmail.com	Bristol, England
0180376519361L	4016	Marine	Lemouche	18.03.76	F	+33700555279	marinelamoucheduc@yahoo.fr	Aix-en-Provence, France
0140889765480M	4017	Carlos	Manchos	14.08.89	M	+33798384823	carlosmanchos@hotmail.com	Montalbo, Spain
0171291564597L	4018	Maria	Lafolas	17.12.91	F	+34824807491	marialafolasmanchos@gmail.com	Montalbo, Spain
0150186654321S	4019	Fernito	Serra	15.01.86	M		fernito@serra.ch	Bergamo, Switzerland
0091189776854P	4020	Marcelino	Papi	09.11.89	M	+39382555682	marcelinobin@compn.it	Pisa, Italy
0050575086544M	4021	Svea	Munchauzen	05.05.75	F		s.munchauzen@gmail.com	Hamburg, Germany
0190890759379B	4022	Avneel	Baria	19.08.90	M	+91955553283	avneelbariabwn@gmail.com	Chandigarh, India
0170487752965F	4023	Paola	Fernandes	17.04.87	M		Pa.fern1@hotmail.com	Lisboa, Portugal
0010195763963P	4024	Alice	Patinson	01.01.95	F	+445555827465	alice.patin@mailthu.uk	Birmingham, England
0020492653290L	4025	Marc	Leblanc	02.04.92	M	+33655576981	marclebg@free.fr	Bourges, France

Employee

EmployeeID	RoleID (FK)	BookingID (FK)	FirstName	LastName	DOB	Gender	PhoneNum	EmailAddress	StartShift	EndShift
0050770481934M	R005T	4011	Sheena	Mukhish	05.07.1970	F	+23057732901	s.mukhish@gmail.com	12PM	8PM
0170995471903R	B101B	4012	Anusha	Roovha	17.09.1995	F	+23054981034	a.roovha@gmail.com	7AM	3PM
0140581937202L	H010R	4013	Eric	Luc	14.05.1981	M	+23058194844	ericluc1@hotmail.com	7AM	3PM
0181197743600S	M100S	4014	Tanishta	Seesurn	18.11.1997	F	+23059717499	tseesurn@gmail.com	3PM	11PM
0250383009267M	D111W	4015	Kneeny	Mireles	25.03.1983	M	+2302509213	Kneeny.m25@outlook.com	7AM	3PM
0111200872401P	R005T	4016	Jase	Perinoo	11.12.2000	F	+23058091732	jase.p11@gmail.com	7AM	3PM
0250789937202L	B001B	4017	Cedrick	Luc	25.07.1989	M	+23058192321		12PM	8PM
0220697743600S	C111C	4018	Grace	Stone	22.06.1997	F	+23059776543		7AM	11PM
0150395872401P	C001C	4019	Jase	Parker	15.03.1995	F	+23059123452		7AM	3PM
0140585937201T	B110M	4020	Paul	Tiblanc	14.05.1985	M	+23058165434		12PM	8PM
0280490009267M	H010A	4021	Laurie	Carrington	28.04.1990	F	+23057543990	lauriecar@outlook.com	3PM	11PM
0300599177659J	H007E	4022	Tavish	Jhurry	30.05.1999	M	+23059710491	tavish.05@hotmail.com	12PM	8PM
0051170896457C	M100S	4023	Sarah	Cooper	05.11.1970	F	+23057723523		7AM	3PM
0030299536726G	G002M	4024	Gina	Glover	03.02.1999	F	+23058238913	glovgi@yahoo.com	12PM	8PM
0111099471903W	H001M	4025	Lian	Wedley	11.10.1999	M	+23054542342		12PM	11PM

Room

RoomNo	BookingID (FK)	RoomType(FK)	Occupancy
5078	4011	Suite	CO - Check-Out
2034	4012	Quad Room	CO - Check-Out
2051	4013	Family Room	OCC- Occupied
1089	4014	Triple Room	CO - Check-Out
5022	4015	Deluxe Room	DND - Do Not Disturb
2056	4016	Double Room	LC - Late Check out
3004	4017	Family Room	OCC - Occupied
3005	4018	Family Room	OCC - Occupied
1004	4019	Single Room	OCC - Occupied
4055	4020	Family Room	OCC - Occupied
5098	4021	Suite	EC - Early Check-in
2099	4022	Quad Room	OCC - Occupied
3001	4023	Quad Room	OCC - Occupied
6048	4024	Room with a view	DND - Do Not Disturb
3088	4025	Family Room	OCC - Occupied

RoomType

RoomType	RoomDescription
Single Room	Single bed, air conditioned, room service, mini fridge, internet access
Double Room	2 single beds, air conditioned, room service, mini fridge, internet access
Triple Room	1 single bed, 1 double bed, air conditioned, room service, mini fridge, internet access
Quad Room	2 single beds, 1 large double bed, air conditioned, room service, mini fridge, internet access
Family Room	1 single bed, 1 double bed, air conditioned, room service, mini fridge, internet access, balcony with pool view, 2 bathrooms
Deluxe Room	King size bed, air conditioned, room service, mini fridge, internet access
Suite	King size bed, air conditioned, room service, mini fridge, high-speed internet access, coffee machine, backyard access
Room with a view	Single bed, air conditioned, room service, mini fridge, internet access, balcony with beach view

Bill

BillNum	GuestID (FK)	RoomCharges	Roomservice	RestaurantCharges	BarCharges	ExpiryDate
0001	0271195927397M	Rs 10 000	Rs 1 000	Rs 4 000	Rs 2 000	03.01.2023
0002	0200988170520S	Rs 6 000	Rs 3050	Rs 3 780	Rs 2 300	10.01.2023
0003	0051091676806P	Rs 15 000	Rs 2 500	Rs 2 895		25.01.2023
0004	0090192974707M	Rs 24 000	Rs 1 565	Rs 3 600	Rs 5 560	11.01.2023
0005	0171198582805D	Rs 10 000	Rs 500	Rs 2 430	Rs 2 380	25.01.2023
0006	0180376519361L	Rs 30 000	Rs 5 000	Rs 7 800	Rs 2 340	17.01.2023
0007	0140889765480M	Rs 15 000	Rs 2 050	Rs 3 890		19.01.2023
0008	0171291564597L	Rs 10 000	Rs 1 500	Rs 2 570	Rs 6 000	19.01.2023
0009	0150186654321S	Rs 38 000	Rs 7 000	Rs 10 00	Rs 15 680	24.01.2023
0010	0091189776854P	Rs 9 000	Rs 760	Rs 4 050		23.01.2023
0011	0050575086544M	Rs 50 000	Rs 8 000	Rs 15 00	Rs 25 000	17.01.2023
0012	0190890759379B	Rs 12 000	Rs 3 550	Rs 5 580	Rs 3 000	26.01.2023
0013	0170487752965F	Rs 25 000	Rs 4 555	Rs 6 740		22.07.2023
0014	0010195763963P	Rs 13 000	Rs 2500	Rs 3 350	Rs 3 590	21.07.2023
0015	0020492653290L	Rs 25 000	Rs 590	Rs 6 700	Rs 4 570	25.07.2023

Invoice

BillNum (FK)	PaymentID (FK)	GuestID (FK)
0001	CC846	0271195927397M
0002	CA920	0200988170520S
0003	CC492	0051091676806P
0004	DC937	0090192974707M
0005	CA648	0171198582805D
0006	CC274	0180376519361L
0007	CC683	0140889765480M
0008	DC765	0171291564597L
0009	CA903	0150186654321S
0010	DC153	0091189776854P
0011	CA827	0050575086544M
0012	CC689	0190890759379B
0013	CC892	0170487752965F
0014	CA273	0010195763963P
0015	DC273	0020492653290L

TransactionMode

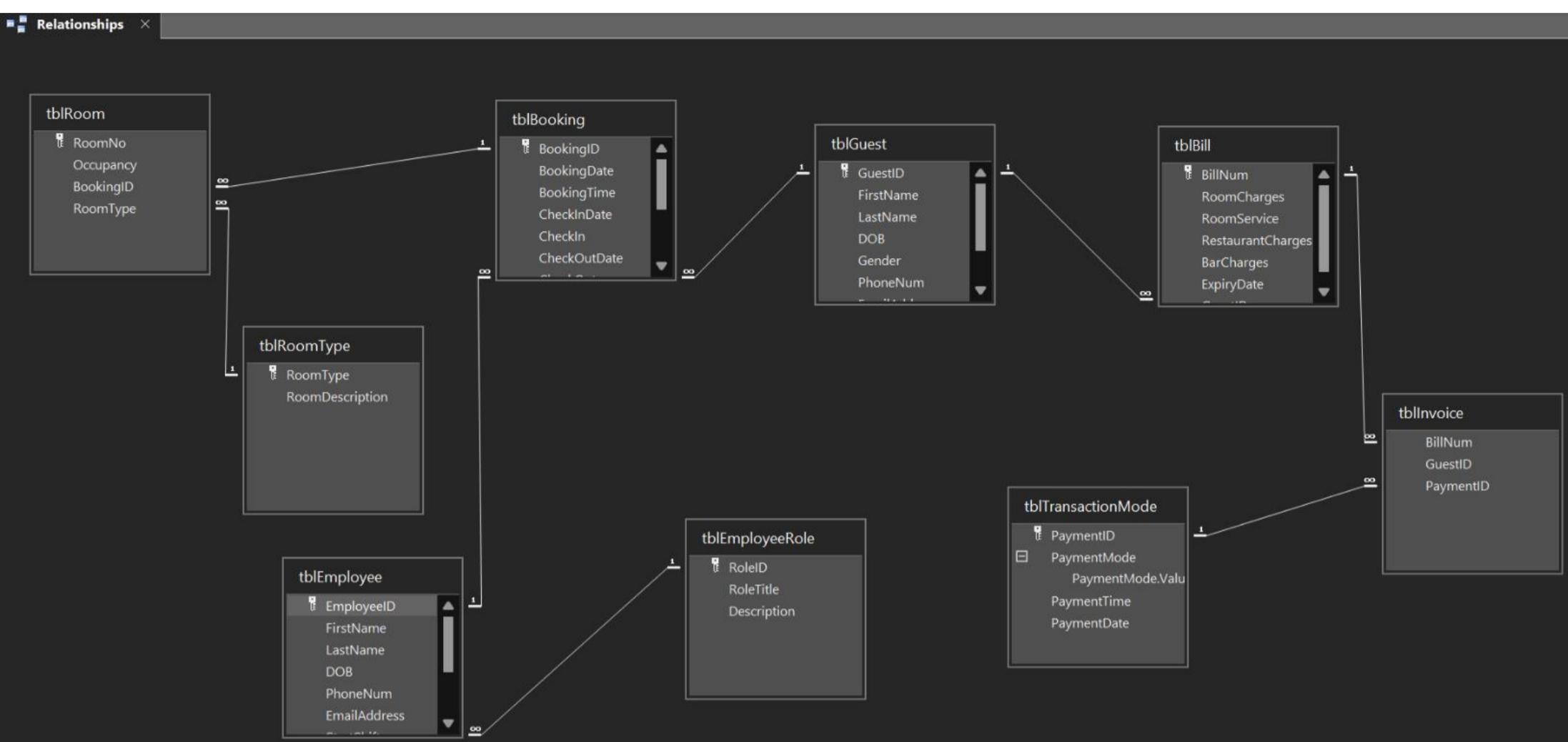
PaymentID	PaymentMode	PaymentDate	PaymentTime
CC846	Credit card	03/07/2022	3:00 PM
CA920	Cash	10/07/2022	2:30 PM
CC492	Credit card	25/07/2022	1:00 PM
DC937	Debit card, Cash	11/07/2022	3:00 PM
CA648	Cash	25/07/2022	2:45 PM
CC274	Credit card	17/07/2022	2:15 PM
CC683	Credit card, Cash	19/07/2022	2:38 PM
DC765	Debit card	19/07/2022	2:54 PM
CA903	Cash	24/07/2022	3:00 PM
DC153	Debit card, Credit Card	23/07/2022	1:55 PM
CA827	Cash, Credit Card	17/07/2022	2:49 PM
CC689	Credit card	26/07/2022	2:00 PM
CC892	Credit card	22/07/2022	3:00 PM
CA273	Cash, Credit Card	21/07/2022	2:10 PM
DC273	Debit card	25/07/2022	2:28 PM

EmployeeRole

RoleID	RoleTitle	Description
B001B	Bartender	Prepare and serve drinks to guests
B101B	Bell Boy	Carry guest's bags to their room
B110M	Bar Manager	Manage bar supplies and manage staff member
C001C	Executive Chef	Prepare dishes and manage kitchen staff
C111C	Chef	Set up menu and prepare high quality dishes
D111W	Dishwasher	Ensure dining equipment are clean and prepared for guest
G002M	General Manager	Improve and increase departmental profits
H001M	Human Resource Manager	Supervise the hotel hiring process
H007E	Hotel Engineer	Troubleshoot and repair hotel equipment
H010A	Accountant	Makes critical financial decisions and manage hotel finances
H010R	Housekeeping	Ensure hotel rooms are cleaned
M100S	Maintenance Staff	Inspect and repair various hotel infrastructure
R005T	Receptionist	Welcoming guest, check booking details
S003M	Security Manager	Ensure safety of the hotel, the guest and staff member

Ms Access Database

Relationship



Tables of Room Reservation System

Booking

In design View

	Field Name	Data Type
	BookingID	Short Text
	BookingDate	Date/Time
	BookingTime	Date/Time
	CheckInDate	Date/Time
	CheckIn	Date/Time
	CheckOutDate	Date/Time
	CheckOut	Date/Time
	NumOfAdults	Number
	NumOfChildren	Number
	SpecialRequest	Short Text
	GuestID	Short Text
	EmployeeID	Short Text

In datasheet View

BookingID	GuestID	EmployeeID	BookingDate	BookingTime	CheckInDate	CheckIn	CheckOutDate	CheckOut	NumOfA	NumOfC	SpecialRequest
4011	0271195927397M	0050770481934M	01/05/2022	01:00 pm	01/07/2022	02:00 pm	03/07/2022	03:00 pm	2	0	Birthday Cake for dinner on 09.07.2022
4012	0200988170520S	0170995471903R	03/05/2022	09:05 am	05/07/2022	02:00 pm	10/07/2022	03:00 pm	2	2	
4013	0051091676806P	0140581937202L	03/05/2022	03:49 pm	06/07/2022	02:00 pm	25/07/2022	03:00 pm	2	3	Anti-allergy bedding
4014	0090192974707M	0181197743600S	05/05/2022	02:18 pm	06/07/2022	02:00 pm	11/07/2022	03:00 pm	3	0	
4015	0171198582805D	0250383009267M	07/05/2022	12:45 am	08/07/2022	02:00 pm	25/07/2022	03:00 pm	2	0	
4016	0180376519361L	0111200872401P	08/05/2022	08:04 am	11/07/2022	02:00 pm	17/07/2022	03:00 pm	2	0	Late checkout
4017	0140889765480M	0250789937202L	08/05/2022	09:13 pm	12/07/2022	02:00 pm	19/07/2022	03:00 pm	2	2	
4018	0171291564597L	0220697743600S	08/05/2022	09:32 pm	12/07/2022	02:00 pm	19/07/2022	03:00 pm	2	3	
4019	0150186654321S	0150395872401P	09/05/2022	07:19 pm	12/07/2022	02:00 pm	24/07/2022	03:00 pm	1	0	
4020	0091189776854P	0140585937201T	11/05/2022	05:15 am	12/07/2022	02:00 pm	23/07/2022	03:00 pm	2	3	
4021	0050575086544M	0280490009267M	12/05/2022	04:27 pm	13/07/2022	02:00 pm	17/07/2022	03:00 pm	2	0	Early check-in
4022	0190890759379B	0300599177659J	14/05/2022	05:00 pm	14/07/2022	02:00 pm	26/07/2022	03:00 pm	2	2	
4023	0170487752965F	0051170896457C	16/05/2022	02:45 pm	14/07/2022	02:00 pm	22/07/2022	03:00 pm	2	2	
4024	0010195763963P	0030299536726G	17/05/2022	06:54 pm	16/07/2022	02:00 pm	21/07/2022	03:00 pm	2	0	Room with a view
4025	0020492653290L	0111099471903W	17/05/2022	07:30 pm	19/07/2022	02:00 pm	25/07/2022	03:00 pm	2	3	

Guest

In design View

	Field Name	Data Type
1	GuestID	Short Text
2	FirstName	Short Text
3	LastName	Short Text
4	DOB	Date/Time
5	Gender	Short Text
6	PhoneNum	Large Number
7	EmailAddress	Short Text
8	Address	Short Text
9	BookingID	Short Text

In datasheet View

	GuestID	BookingID	FirstName	LastName	DOB	Gender	PhoneNum	EmailAddress	Address
[+]	0271195927397M	4011	Elodie	Macquet	27/11/1995	F	23057693013	elodiemac@outlook.com	Curepipe, Mauritius
[+]	0200988170520S	4012	Neil	Smulders	20/09/1988	M	7802010277	n.smulders@gmail.com	Bonnyville, Canada
[+]	0051091676806P	4013	Panayotis	Pasto	05/10/1991	M		pana.perso@live.gr	Athena, Greece
[+]	0090192974707M	4014	Julia	Macy	09/01/1992	F	27810005933	macyjulia2@hotmail.com	Cape Town, South Africa
[+]	0171198582805D	4015	Martin	Dawkins	17/11/1998	M	445556374009	d.marti98@gmail.com	Bristol, England
[+]	0180376519361L	4016	Marine	Lemouche	18/03/1976	F	33700555279	marinelamoucheduc@yahoo.fr	Aix-en-Provence, France
[+]	0140889765480M	4017	Carlos	Manchos	14/08/1989	M	33798384823	carlos.manchos@hotmail.com	Montalbo, Spain
[+]	0171291564597L	4018	Maria	Lafolas	17/12/1991	F	34824807491	marialafolasmanchos@gmail.com	Montalbo, Spain
[+]	0150186654321S	4019	Fernito	Serra	15/01/1986	M		fernito@serra.ch	Bergamo, Switzerland
[+]	0091189776854P	4020	Marcelino	Papi	09/11/1989	M	39382555682	marcelinobin@compn.it	Pisa, Italy
[+]	0050575086544M	4021	Svea	Munchauzen	05/05/1975	F		s.munchauzen@gmail.com	Hamburg, Germany
[+]	0190890759379B	4022	Avneel	Baria	19/08/1990	M	91955553283	Anveelbariabwn@gmail.com	Chandigarh, India
[+]	0170487752965F	4023	Paola	Fernandes	17/04/1987	M		Pa.fern1@hotmail.com	Lisboa, Portugal
[+]	0010195763963P	4024	Alice	Patinson	01/01/1995	F	445555827465	Alice.patin@mailthu.uk	Birmingham, England
[+]	0020492653290L	4025	Marc	Leblanc	02/04/1992	M	33655576981	marclebg@free.fr	Bourges, France

Employee

In design View

	Field Name	Data Type
1	EmployeeID	Short Text
	FirstName	Short Text
	LastName	Short Text
	DOB	Date/Time
	PhoneNum	Large Number
	EmailAddress	Short Text
	StartShift	Date/Time
	EndShift	Date/Time
	Gender	Short Text
	RoleID	Short Text
	BookingID	Short Text

In datasheet View

	EmployeeID	RoleID	BookingID	FirstName	LastName	DOB	Gender	PhoneNum	EmailAddress	StartShift	EndShift
1	0050770481934M	R005T	4011	Sheena	Mukhish	05/07/1970	F	23057732901	s.mukhish@gmail.com	12:00 pm	08:00 pm
2	0170995471903R	W008R	4012	Anusha	Roovha	17/09/1995	F	23054981034	a.roovha@gmail.com	07:00 am	03:00 pm
3	0140581937202L	H010R	4013	Eric	Luc	14/05/1981	M	23058194844	ericluc1@hotmail.com	07:00 am	03:00 pm
4	0181197743600S	M100S	4014	Tanishta	Seesurn	18/11/1997	F	23059717499	tseesurn@gmail.com	03:00 pm	11:00 pm
5	0250383009267M	D111W	4015	Kneeny	Mireles	25/03/1983	M	2302509213	Kneeny.m25@outlook.com	07:00 am	03:00 pm
6	0111200872401P	W008R	4016	Jase	Perinoo	11/12/2000	F	23058091732	Jase.p11@gmail.com	07:00 am	03:00 pm
7	0250789937202L	B001B	4017	Cedrick	Luc	25/07/1989	M	23058192321		12:00 pm	08:00 pm
8	0220697743600S	C111C	4018	Grace	Stone	22/06/1997	F	23059776543		07:00 am	11:00 pm
9	0150395872401P	C001C	4019	Jase	Parker	15/03/1995	F	23059123452		07:00 am	03:00 pm
10	0140585937201T	B110M	4020	Paul	Tiblanc	14/05/1985	M	23058165434		12:00 pm	08:00 pm
11	0280490009267M	H010A	4021	Laurie	Carrington	28/04/1990	F	23057543990	lauriecar@outlook.com	03:00 pm	11:00 pm
12	0300599177659J	H007E	4022	Tavish	Jhurry	30/05/1999	M	23059710491	tavish.05@hotmail.com	12:00 pm	08:00 pm
13	0051170896457C	S003M	4023	Sarah	Cooper	05/11/1970	F	23057723523		07:00 am	03:00 pm
14	0030299536726G	G002M	4024	Gina	Glover	03/02/1999	F	23058238913	glovgi@yahoo.com	12:00 pm	08:00 pm
15	0111099471903W	H001M	4025	Lian	Wedley	11/10/1999	M	23054542342		12:00 pm	11:00 pm

Room

In design View

	Field Name	Data Type
1	RoomNo	Short Text
2	Occupancy	Short Text
3	BookingID	Short Text
4	RoomType	Short Text

In datasheet View

RoomNo	BookingID	RoomType	Occupancy
5078	4011	Suite	CO - Check-Out
2034	4012	Quad Room	CO - Check-Out
2051	4013	Family Room	OCC- Occupied
1089	4014	Triple Room	CO - Check-Out
5022	4015	Deluxe Room	DND - Do Not Disturb
2056	4016	Double Room	LC - Late Check out
3004	4017	Family Room	OCC - Occupied
3005	4018	Family Room	OCC - Occupied
1004	4019	Single Room	OCC - Occupied
4055	4020	Family Room	OCC - Occupied
5098	4021	Suite	EC - Early Check-in
2099	4022	Quad Room	OCC - Occupied
3001	4023	Quad Room	OCC - Occupied
6048	4024	Room with a vi	DND - Do Not Disturb
3088	4025	Family Room	OCC - Occupied

RoomType

In design View

Field Name	Data Type
RoomType	Short Text
RoomDescription	Short Text

In datasheet View

RoomType	RoomDescription
Deluxe Room	King size bed, air conditioned, room service, mini fridge, internet access
Double Room	2 single beds, air conditioned, room service, mini fridge, internet access
Family Room	1 single bed, 1 double bed, air conditioned, room service, mini fridge, internet access, balcony with pool view, 2 bathrooms
Quad Room	2 single beds, 1 large double bed, air conditioned, room service, mini fridge, internet access
Room with a view	Single bed, air conditioned, room service, mini fridge, internet access, balcony with beach view
Single Room	Single bed, air conditioned, room service, mini fridge, internet access
Suite	King size bed, air conditioned, room service, mini fridge, high-speed internet access, coffee machine, backyard access
Triple Room	1 single bed, 1 double bed, air conditioned, room service, mini fridge, internet access

Bill

In design View

	Field Name	Data Type
1	BillNum	Short Text
2	RoomCharges	Currency
3	RoomService	Currency
4	RestaurantCharges	Currency
5	BarCharges	Currency
6	ExpiryDate	Date/Time
7	GuestID	Short Text

In datasheet View

	BillNum	GuestID	RoomCharges	RoomService	RestaurantC	BarCharges	ExpiryDate
1	0001	0271195927397M	Rs10,000.00	Rs1,000.00	Rs4,000.00	Rs2,000.00	03/01/2023
2	0002	0200988170520S	Rs6,000.00	Rs3,050.00	Rs3,780.00	Rs2,300.00	10/01/2023
3	0003	0051091676806P	Rs15,000.00	Rs2,500.00	Rs2,895.00		25/01/2023
4	0004	0090192974707M	Rs24,000.00	Rs1,565.00	Rs3,600.00	Rs5,560.00	11/01/2023
5	0005	0171198582805D	Rs10,000.00	Rs500.00	Rs2,430.00	Rs2,380.00	25/01/2023
6	0006	0180376519361L	Rs30,000.00	Rs5,000.00	Rs7,800.00	Rs2,340.00	17/01/2023
7	0007	0140889765480M	Rs15,000.00	Rs2,050.00	Rs3,890.00		19/01/2023
8	0008	0171291564597L	Rs10,000.00	Rs1,500.00	Rs2,570.00	Rs6,000.00	19/01/2023
9	0009	0150186654321S	Rs38,000.00	Rs7,000.00	Rs7,000.00	Rs15,680.00	24/01/2023
10	0010	0091189776854P	Rs9,000.00	Rs760.00	Rs4,050.00		23/01/2023
11	0011	0050575086544M	Rs50,000.00	Rs8,000.00	Rs1,500.00	Rs25,000.00	17/01/2023
12	0012	0190890759379B	Rs12,000.00	Rs3,550.00	Rs5,580.00	Rs3,000.00	26/01/2023
13	0013	0170487752965F	Rs25,000.00	Rs4,555.00	Rs6,740.00		22/07/2023
14	0014	0010195763963P	Rs13,000.00	Rs2,500.00	Rs3,350.00	Rs3,590.00	21/07/2023
15	0015	0020492653290L	Rs25,000.00	Rs590.00	Rs6,700.00	Rs4,570.00	25/07/2023

Invoice

In design View

Field Name	Data Type
BillNum	Short Text
GuestID	Short Text
PaymentID	Short Text

In datasheet View

BillNum	GuestID	PaymentID
0014	0010195763963P	CA273
0005	0171198582805D	CA648
0011	0050575086544M	CA827
0009	0150186654321S	CA903
0002	0200988170520S	CA920
0006	0180376519361L	CC274
0003	0051091676806P	CC492
0007	0140889765480M	CC683
0012	0190890759379B	CC689
0001	0090192974707M	CC846
0013	0170487752965F	CC892
0010	0091189776854P	DC153
0015	0020492653290L	DC273
0008	0171291564597L	DC765
0004	0090192974707M	DC937

TransactionMode

In design View

	Field Name	Data Type
1	PaymentID	Short Text
2	PaymentMode	Short Text
3	PaymentTime	Date/Time
4	PaymentDate	Date/Time

In datasheet View

	PaymentID	PaymentMode	PaymentTim	PaymentDat
1	CA273	Cash, Credit Card	02:10 pm	21/07/2022
2	CA648	Cash	02:45 pm	25/07/2022
3	CA827	Cash, Credit Card	02:49 pm	17/07/2022
4	CA903	Cash	03:00 pm	24/07/2022
5	CA920	Cash	02:30 pm	10/07/2022
6	CC274	Credit Card	02:15 pm	17/07/2022
7	CC492	Credit card	01:00 pm	25/07/2022
8	CC683	Cash, Credit Card	02:38 pm	19/07/2022
9	CC689	Credit Card	02:00 pm	26/07/2022
10	CC846	Credit Card	03:00 pm	03/07/2022
11	CC892	Credit card	03:00 pm	22/07/2022
12	DC153	Credit Card, Debit Card	01:55 pm	23/07/2022
13	DC273	Debit Card	02:28 pm	25/07/2022
14	DC765	Debit card	02:54 pm	19/07/2022
15	DC937	Cash, Debit Card	03:00 pm	11/07/2022

EmployeeRole

In design View

	Field Name	Data Type
R	RoleID	Short Text
R	RoleTitle	Short Text
R	Description	Short Text

In datasheet View

	RoleID	RoleTitle	Description
+	B001B	Bartender	Prepare and serve drinks to guests
+	B101B	Bell Boy	Carry guests' bags to their room
+	B110M	Bar Manager	Manage bar supplies and manage staff member
+	C001C	Executive Chef	Prepare dishes and manage kitchen staff
+	C111C	Chef	Set up menu ad prepare high quality dishes
+	D111W	Dishwasher	Ensure dining equipment are clean and prepared for guest
+	G002M	General Manager	Improve and increase departmental profits
+	H001M	Human Resource Manager	Supervise the hotel's hiring process
+	H007E	Hotel Engineer	Troubleshoot and repair hotel equipment
+	H010A	Accountant	Makes critical financial decisions and manage hotel's finances
+	H010R	Housekeeping	Ensure hotel's room are cleaned
+	M100S	Maintenance Staff	Inspect and repair various hotel infrastructure
+	R005T	Receptionist	Welcoming guest, check booking details
+	S003M	Security Manager	Ensure safety of the hotel, the guest and staff member
+	W008R	Waiter	Serve and welcome guest at the restaurant

Forms in Room Reservation System

Booking

Design View

frmBooking

Form Header		Booking Form																	
1	=Date()																		
Detail																			
1	BookingID	BookingID																	
2	GuestID	GuestID																	
3	EmployeeID	EmployeeID																	
4	BookingDate	BookingDate																	
5	BookingTime	BookingTime																	
6	CheckInDate	CheckInDate																	
7	CheckIn	CheckIn																	
8	CheckOutDate	CheckOutDate																	
9	CheckOut	CheckOut																	
10	NumOfAdults	NumOfAdults																	
11	NumOfChildren	NumOfChildren																	
12	SpecialRequest	SpecialRequest																	
13																			

Form View

Booking

Thursday, 28 July 2022

Booking Form

BookingID	4011
GuestID	0271195927397M
EmployeeID	0050770481934M
BookingDate	01/05/2022
BookingTime	01:00 pm
CheckInDate	01/07/2022
CheckIn	02:00 pm
CheckOutDate	03/07/2022
CheckOut	03:00 pm
NumOfAdults	2
NumOfChildren	0
SpecialRequest	Birthday Cake for dinner on 09.07.2022

Guest

Design View

frmGuest

Controls Header / Footer

Form Header

=Date()

Detail

Details **Booking**

GuestID	GuestID
BookingID	BookingID
FirstName	FirstName
LastName	LastName
DOB	DOB
Gender	Gender
PhoneNum	PhoneNum
EmailAddress	EmailAddress
Address	Address

frmGuest X

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

Detail

Details Booking

frmTransactionMode

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

Form Header

=Date() Transaction Mode

Detail

PaymentID PaymentID

PaymentMode PaymentMode

PaymentTime PaymentTime

PaymentDate PaymentDate

Form View

Guest

Friday, 5 August 2022

Guest Form

Details Booking

GuestID	0271195927397M
BookingID	4011
FirstName	Elodie
LastName	Macquet
DOB	27/11/1995
Gender	F
PhoneNum	23057693013
EmailAddress	elodiemac@outlook.com
Address	Curepipe, Mauritius

Guest

Friday, 5 August 2022

Guest Form

Details Booking frmTransactionMode

Transaction Mode

Friday, 5 August 2022

PaymentID	0001
PaymentMode	Cash
PaymentTime	12:00 am
PaymentDate	17/07/2022

Employee

Design View

frmEmployee

Form Header		Employee Form																	
	=Date()																		
Detail																			
1	EmployeeID	EmployeeID																	
2	RoleID	RoleID																	
3	BookingID	BookingID																	
4	FirstName	FirstName																	
5	LastName	LastName																	
6	DOB	DOB																	
7	Gender	Gender																	
8	PhoneNum	PhoneNum																	
9	EmailAddress	EmailAddress																	
10	StartShift	StartShift																	
11	EndShift	EndShift																	

Form View

Employee

Employee Form	
Thursday, 28 July 2022	
EmployeeID	0050770481934M
RoleID	R005T
BookingID	4011
FirstName	Sheena
LastName	Mukhish
DOB	05/07/1970
Gender	F
PhoneNum	23057732901
EmailAddress	s.mukhish@gmail.com
StartShift	12:00 pm
EndShift	08:00 pm

Room

Design View

Form View

Room X

Room Form

Thursday, 28 July 2022

RoomNo	5078
BookingID	4011
RoomType	Suite
Occupancy	CO - Check-Out

RoomType

Design View

frmRoomType

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	Form Header																			
1	=Date()					Room Type Form														
	Detail																			
1	RoomType		RoomType																	
2	RoomDescription		RoomDescription																	
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				

Form View

RoomType

Thursday, 28 July 2022

Room Type Form

RoomType	Deluxe Room
RoomDescription	King size bed, air conditioned, room service, mini fridge, internet access

Bill

Design View

frmBill

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Form Header																				
1	<input type="text" value="=Date()"/>					Bill Form														
Detail																				
1	BillNum				BillNum															
2	GuestID				GuestID															
3	RoomCharges				RoomCharges															
4	RoomService				RoomService															
5	RestaurantCharges				RestaurantCharges															
6	BarCharges				BarCharges															
7	ExpiryDate				ExpiryDate															
8																				
9																				
10																				

Form View

Bill

Bill Form	
Thursday, 28 July 2022	
BillNum	0001
GuestID	0271195927397M
RoomCharges	Rs10,000.00
RoomService	Rs1,000.00
RestaurantCharges	Rs4,000.00
BarCharges	Rs2,000.00
ExpiryDate	03/01/2023

Invoice

Design View

frmInvoice

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Form Header										Invoice Form									
<input type="text" value="=Date()"/>																			
Detail																			
1	BillNum	BillNum																	
2	Select Guest		GuestID																
3	PaymentID	PaymentID																	
4																			
5																			
6																			
7																			
8																			
9																			
10																			

Form View

Invoice

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20			
Invoice Form																						
Thursday, 28 July 2022																						
1	BillNum	0001																				
2	Select Guest	Macy																				
3	PaymentID	CC846																				
4																						
5																						
6																						
7																						
8																						
9																						
10																						

TransactionMode

Design View

frmTransactionMode

The form design view shows a grid layout with 20 columns. The first column contains a date field labeled '=Date()' and the last column contains a title 'Transaction Mode'. The detail section below contains four pairs of fields: PaymentID, PaymentMode, PaymentTime, and PaymentDate, each with a label and a corresponding input field.

Form View

TransactionMode

The form view displays the data from the design view. The header shows the date 'Thursday, 28 July 2022' and the title 'Transaction Mode'. The main section contains four data entries:

PaymentID	CA273
PaymentMode	Cash, Credit Card
PaymentTime	02:10 pm
PaymentDate	21/07/2022

EmployeeRole

Design View

frmEmployeeRole

Employee Role Form																					
=Date()																					
Detail																					
1	RoleID				RoleID																
2	RoleTitle				RoleTitle																
3	Description				Description																
4																					
5																					
6																					
7																					
8																					
9																					
10																					

Form View

EmployeeRole

Employee Role Form	
Thursday, 28 July 2022	
RoleID	B001B
RoleTitle	Bartender
Description	Prepare and serve drinks to guests

Guest Details

Design view

GuestDetails

1	2	3	4	5	6	7	8	9	10
Form Header									
GuestMainForm									
Detail									
GuestID	GuestID	FirstName	FirstName						
LastName	LastName	DOB	DOB						
Gender	Gender	PhoneNum	PhoneNum						
EmailAddress	EmailAddress	Address	Address						
Form Footer									
BookingSubForm									
Form Header									
Detail									
GuestID	GuestID	CheckInDate	CheckInDate						
EmployeeID	EmployeeID	BookingTime	BookingTime						
BookingDate	BookingDate								

Form view

GuestMainForm

GuestMainForm

GuestID	0271195927397M	FirstName	Elodie
LastName	Macquet	DOB	11/27/1995
Gender	F	PhoneNum	23057693013
EmailAddress	elodiemac@outlook.com	Address	Curepipe, Mauritius

BookingSubForm

GuestID	0271195927397M	CheckInDate	7/1/2022
EmployeeID	0050770481934M	BookingTime	1:00 PM
BookingDate	5/1/2022		

Record: 1 of 1 No Filter Search

Customer View Form

Design view

frmQueryCustomerForm1

GuestID	Unbound	RestaurantCharges	RestaurantCharges
BillNum	Unbound	BarCharges	BarCharges
RoomCharges	RoomCharges	Total	= [BarCharges] + [RestaurantCharges]
RoomService	RoomService		

QueryTransactionForm

PaymentDate	PaymentDate	PaymentMode	PaymentMode
PaymentTime	PaymentTime		
PaymentID	PaymentID		

QueryInvoiceForm

BillNum	BillNum		
PaymentID	PaymentID		
GuestID	GuestID		

Form view

Form QueryCustomerForm 1

GuestID		RestaurantCharges	Rs4,000.00
BillNum		BarCharges	Rs2,000.00
RoomCharges	Rs10,000.00	Total	17,000.00
RoomService	Rs1,000.00		

QueryTransactionForm

QueryInvoiceForm

BillNum	0001
PaymentID	CC689
GuestID	0190890759379B

Query Guest

Database view

QueryGuest1

GuestID	FirstName	LastName							
0010195763963P	Alice	Patinson							
0020492653290L	Marc	Leblanc							
0050575086544M	Svea	Munchauzen							
0051091676806P	Panayotis	Pasto							
0090192974707M	Julia	Macy							
0091189776854P	Marcelino	Papi							
0140889765480M	Carlos	Manchos							
0150186654321S	Fernito	Serra							
0170487752965F	Paola	Fernandes							
0171198582805D	Martin	Dawkins							
0171291564597L	Maria	Lafolas							
0180376519361L	Marine	Lemouche							
0190890759379B	Avneel	Baria							
0200988170520S	Neil	Smulders							
0271195927397M	Elodie	Macquet							
*									

Design view

QueryGuest1

tblGuest			
*	GuestID	FirstName	LastName
	0010195763963P	Alice	Patinson
	0020492653290L	Marc	Leblanc
	0050575086544M	Svea	Munchauzen
	0051091676806P	Panayotis	Pasto
	0090192974707M	Julia	Macy
	0091189776854P	Marcelino	Papi
	0140889765480M	Carlos	Manchos
	0150186654321S	Fernito	Serra
	0170487752965F	Paola	Fernandes
	0171198582805D	Martin	Dawkins
	0171291564597L	Maria	Lafolas
	0180376519361L	Marine	Lemouche
	0190890759379B	Avneel	Baria
	0200988170520S	Neil	Smulders
	0271195927397M	Elodie	Macquet

Field: GuestID Table: tblGuest Sort: Ascending Show: ✓ Criteria: or:

Field: FirstName Table: tblGuest Sort: Ascending Show: ✓ Criteria: or:

Field: LastName Table: tblGuest Sort: Ascending Show: ✓ Criteria: or:

SQL

Query Guest

Database view

QueryGuest2

GuestID	Gender	FirstName	LastName						
0271195927397M	F	Elodie	Macquet						
0180376519361L	F	Marine	Lemouche						
0171291564597L	F	Maria	Lafolas						
0090192974707M	F	Julia	Macy						
0050575086544M	F	Svea	Munchauzen						
0010195763963P	F	Alice	Patinson						
*									

Design view

QueryGuest2

tblGuest
 *
 GuestID
 FirstName
 LastName
 DOB
 Gender
 ...

Field:	GuestID	Gender	FirstName	LastName					
Table:	tblGuest	tblGuest	tblGuest	tblGuest					
Sort:	Descending								
Show:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
Criteria:		"F"							
or:									

Query guest

Database view

QueryGuest3

GuestID	FirstName	LastName	Address
0140889765480M	Carlos	Manchos	Montalbo, Spain
0171291564597L	Maria	Lafolas	Montalbo, Spain

Design view

QueryGuest3

tblGuest

Field:	GuestID	FirstName	LastName	Address
Table:	tblGuest	tblGuest	tblGuest	tblGuest
Sort:	Ascending			
Show:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Criteria:				"Montalbo, Spain"
or:				

Query Guest

Database view

QueryGuest4

GuestID	FirstName	LastName	EmailAddress	PhoneNum				
0010195763963P	Alice	Patinson	Alice.patin@mailthu.uk	445555827465				
0020492653290L	Marc	Leblanc	marclebg@free.fr	33655576981				
0050575086544M	Svea	Munchauzen	s.munchauzen@gmail.com					
0051091676806P	Panayotis	Pasto	pana.perso@live.gr					
0090192974707M	Julia	Macy	macyjulia2@hotmail.com	27810005933				
0091189776854P	Marcelino	Papi	marcelinobin@compn.it	39382555682				
0140889765480M	Carlos	Manchos	carlos.manchos@hotmail.com	33798384823				
0150186654321S	Fernito	Serra	fernito@serra.ch					
0170487752965F	Paola	Fernandes	Pa.fern1@hotmail.com					
0171198582805D	Martin	Dawkins	d.marti98@gmail.com	445556374009				
0171291564597L	Maria	Lafolas	marialafolasmanchos@gmail.com	34824807491				
0180376519361L	Marine	Lemouche	marinelamoucheduc@yahoo.fr	33700555279				
0190890759379B	Avneel	Baria	Anveelbariabwn@gmail.com	91955553283				
0200988170520S	Neil	Smulders	n.smulders@gmail.com	7802010277				
0271195927397M	Elodie	Macquet	elodiemac@outlook.com	23057693013				
*				0				

Design view

QueryGuest4

The screenshot shows the Microsoft Access Query Design View. At the top, there's a preview window showing the results of the query. Below it, the 'tblGuest' table is selected, and its fields (GuestID, FirstName, LastName, EmailAddress, PhoneNum) are listed. The main area contains the query definition:

- Field:** GuestID, FirstName, LastName, EmailAddress, PhoneNum
- Table:** tblGuest
- Sort:** Ascending
- Show:** checked for all fields
- Criteria:** or (empty)

At the bottom right, there are buttons for 'SQL' and 'Edit'.

Query Booking

Database view

QueryBooking1

BookingDate	BookingTime
5/1/2022	1:00 PM
5/3/2022	9:05 AM
5/3/2022	3:49 PM
5/5/2022	2:18 PM
5/7/2022	12:45 AM
5/8/2022	8:04 AM
5/8/2022	9:13 PM
5/8/2022	9:32 PM
5/9/2022	7:19 PM
5/11/2022	5:15 AM
5/12/2022	4:27 PM
5/14/2022	5:00 PM
5/16/2022	2:45 PM
5/17/2022	6:54 PM
5/17/2022	7:30 PM
*	

Design view

QueryBooking1

tblBooking	
*	
BookingID	
BookingDate	
BookingTime	
CheckInDate	
CheckIn	
CheckOut	

Field: BookingDate

Table: tblBooking

Sort: Ascending

Show:

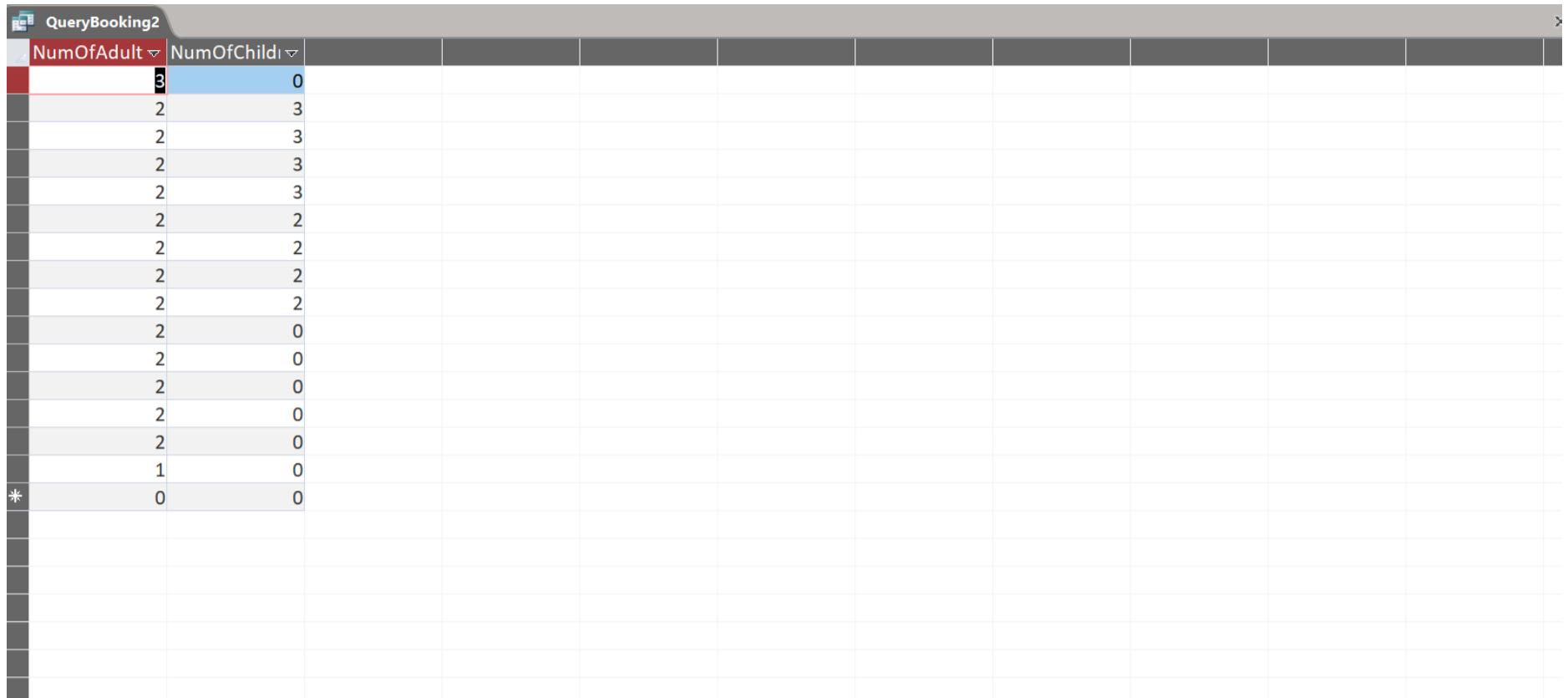
Criteria:

or:

SQL

Query Booking

Database view



NumOfAdult	NumOfChildren
3	0
2	3
2	3
2	3
2	3
2	2
2	2
2	2
2	2
2	0
2	0
2	0
2	0
1	0
*	0
	0

Design view



The screenshot shows the Microsoft Access Query Design View. On the left, the "tblBooking" table is selected, and its fields (BookingID, BookingDate, BookingTime, CheckInDate, CheckIn) are listed in the "Fields in the query" pane. The main area displays the query structure:

Field:	NumOfAdults	NumOfChildren									
Table:	tblBooking	tblBooking									
Sort:	Descending	Descending									
Show:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									
Criteria:											
or:											

Query Booking

Database view

GuestID	SpecialRequest
01803765193611	Late checkout

Design view

The screenshot shows the Microsoft Access Query Design View. On the left, the 'tblBooking' table is selected, and its fields (BookingID, BookingDate, BookingTime, CheckInDate, CheckIn, and Status) are listed. The main area displays the query criteria:

- Field:** GuestID
- Table:** tblBooking
- Show:**
- Criteria:** "Late Checkout"

Below the criteria, there are sections for 'Sort' and 'or:', both currently empty.

Query Booking

Database view

QueryBooking4

BookingID	GuestID	CheckOutDate	CheckOut						
4011	0271195927397M	7/3/2022	3:00 PM						
4012	0200988170520S	7/10/2022	3:00 PM						
4013	0051091676806P	7/25/2022	3:00 PM						
4014	0090192974707M	7/11/2022	3:00 PM						
4015	0171198582805D	7/25/2022	3:00 PM						
4016	0180376519361L	7/17/2022	3:00 PM						
4017	0140889765480M	7/19/2022	3:00 PM						
4018	0171291564597L	7/19/2022	3:00 PM						
4019	0150186654321S	7/24/2022	3:00 PM						
4020	0091189776854P	7/23/2022	3:00 PM						
4021	0050575086544M	7/17/2022	3:00 PM						
4022	0190890759379B	7/26/2022	3:00 PM						
4023	0170487752965F	7/22/2022	3:00 PM						
4024	0010195763963P	7/21/2022	3:00 PM						
4025	0020492653290L	7/25/2022	3:00 PM						
*									

Design view

QueryBooking4

The screenshot shows the Microsoft Access Query Design View. At the top, there's a toolbar with icons for Save, Undo, Redo, and other query-related functions. Below the toolbar is a title bar labeled "QueryBooking4". The main area is divided into two sections: the top section displays the "tblBooking" table with its five fields listed, and the bottom section is the query design grid.

Field:	BookingID	GuestID	CheckOutDate	CheckOut					
Table:	tblBooking	tblBooking	tblBooking	tblBooking					
Sort:									
Show:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
Criteria:									
or:									

Query Employee

Database view

QueryEmployee1

EmployeeID	Gender
0030299536726G	F
0050770481934M	F
0051170896457C	F
0111200872401P	F
0150395872401P	F
0170995471903R	F
0181197743600S	F
0220697743600S	F
0280490009267M	F
*	

Design view

QueryEmployee1

tblEmployee

*	▲
EmployeeID	
FirstName	
LastName	
DOB	
PhoneNum	

Field: EmployeeID Gender
 Table: tblEmployee tblEmployee
 Sort: Ascending
 Show:
 Criteria: "F"
 or:

Query Employee

Database view

QueryEmployee2

EmployeeID	StartShift	EndShift
0030299536726G	12:00 PM	8:00 PM
0050770481934M	12:00 PM	8:00 PM
0051170896457C	7:00 AM	3:00 PM
0111099471903W	12:00 PM	11:00 PM
0111200872401P	7:00 AM	3:00 PM
0140581937202L	7:00 AM	3:00 PM
0140585937201T	12:00 PM	8:00 PM
0150395872401P	7:00 AM	3:00 PM
0170995471903R	7:00 AM	3:00 PM
0181197743600S	3:00 PM	11:00 PM
0220697743600S	7:00 AM	11:00 PM
0250383009267M	7:00 AM	3:00 PM
0250789937202L	12:00 PM	8:00 PM
0280490009267M	3:00 PM	11:00 PM
0300599177659J	12:00 PM	8:00 PM
*		

Design view

QueryEmployee2

tblEmployee		
*	EmployeeID	FirstName
	EmployeeID	FirstName
	LastName	
	DOB	
	PhoneNum	

Field: EmployeeID Table: tblEmployee Sort: Ascending Show: Criteria: or:

Query Employee

Database view

QueryEmployee3

EmployeeID	RoleID	Gender
0111099471903W	H001M	M
0140581937202L	H010R	M
0140585937201T	B110M	M
0250383009267M	D111W	M
0250789937202L	B001B	M
0300599177659J	H007E	M
*		

Design view

The screenshot shows the Microsoft Access Query Designer window titled "QueryEmployee3".

Table Selection:

- tblEmployee
- *
- EmployeeID
- FirstName
- LastName
- DOB
- PhoneNum

Query Definition:

Field:	EmployeeID	Table:	tblEmployee	RoleID	Table:	tblEmployee	Gender												
Show:	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>		<input type="checkbox"/>										
Criteria:							"M"												
or:																			

Bottom Navigation:

- Back
- Forward
- SQL
- Edit

Query Employee

Database view

QueryEmployee4

EmployeeID	LastName	EmailAddress	PhoneNum					
0030299536726G	Glover	glovgi@yahoo.com	23058238913					
0050770481934M	Mukhish	s.mukhish@gmail.com	23057732901					
0051170896457C	Cooper		23057723523					
0111099471903W	Wedley		23054542342					
0111200872401P	Perinoo	Jase.p11@gmail.com	23058091732					
0140581937202L	Luc	ericluc1@hotmail.com	23058194844					
0140585937201T	Tiblanc		23058165434					
0150395872401P	Parker		23059123452					
0170995471903R	Roovha	a.roovha@gmail.com	23054981034					
0181197743600S	Seesurn	tseesurn@gmail.com	23059717499					
0220697743600S	Stone		23059776543					
0250383009267M	Mireles	Kneeny.m25@outlook.com	2302509213					
0250789937202L	Luc		23058192321					
0280490009267M	Carrington	lauriecar@outlook.com	23057543990					
0300599177659J	Jhurry	tavish.05@hotmail.com	23059710491					
*			0					

Design view

QueryEmployee4

tblEmployee

*	EmployeeID	FirstName	LastName	DOB	PhoneNum
---	------------	-----------	----------	-----	----------

Field: EmployeeID LastName EmailAddress PhoneNum

Table: tblEmployee tblEmployee tblEmployee tblEmployee

Show:

Criteria:

or:

Query Employee Role

Database view

QueryEmployeeRole1

RoleId
B001B
B101B
B110M
C001C
C111C
D111W
G002M
H001M
H007E
H010A
H010R
M100S
R005T
S003M
W008R
*

Design view

QueryEmployeeRole1

tblEmployeeRole

- *
- RoleId
- RoleTitle
- Description

Field: RoleID

Table: tblEmployeeRole

Sort: Ascending

Show:

Criteria:

or:

SQL

Query Employee Role

Database view

QueryEmployeeRole2

RoleId	RoleTitle
B001B	Bartender
B101B	Bell Boy
B110M	Bar Manager
C001C	Executive Chef
C111C	Chef
D111W	Dishwasher
G002M	General Manager
H001M	Human Resource Manager
H007E	Hotel Engineer
H010A	Accountant
H010R	Housekeeping
M100S	Maintenance Staff
R005T	Receptionist
S003M	Security Manager
W008R	Waiter
*	

Design view

QueryEmployeeRole2

tblEmployeeRole

Field:	RoleId	RoleTitle
Table:	tblEmployeeRole	tblEmployeeRole
Sort:	Ascending	Ascending
Show:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Criteria:	or:	

Query Bill

Database view

QueryBill1

BillNum	GuestID
0001	0271195927397M
0002	0200988170520S
0003	0051091676806P
0004	0090192974707M
0005	0171198582805D
0006	0180376519361L
0007	0140889765480M
0008	0171291564597L
0009	0150186654321S
0010	0091189776854P
0011	0050575086544M
0012	0190890759379B
0013	0170487752965F
0014	0010195763963P
0015	0020492653290L
*	

Design view

QueryBill1

tblBill

- *
- BillNum
- RoomCharges
- RoomService
- RestaurantCharges
- BarCharges
- TotalBill

Field: BillNum GuestID

Table: tblBill tblBill

Sort: Ascending

Show:

Criteria:

or:

Query Bill

Database view

QueryBill2

BillNum	GuestID	RoomCharge
0011	0050575086544M	Rs50,000.00
0009	0150186654321S	Rs38,000.00
0006	0180376519361L	Rs30,000.00
0015	0020492653290L	Rs25,000.00
0013	0170487752965F	Rs25,000.00
0004	0090192974707M	Rs24,000.00
0007	0140889765480M	Rs15,000.00
0003	0051091676806P	Rs15,000.00
0014	0010195763963P	Rs13,000.00
0012	0190890759379B	Rs12,000.00
0008	0171291564597L	Rs10,000.00
0005	0171198582805D	Rs10,000.00
0001	0271195927397M	Rs10,000.00
0010	0091189776854P	Rs9,000.00
0002	0200988170520S	Rs6,000.00
*		Rs0.00

Design view

QueryBill2

The screenshot shows the Access Query Design View for 'QueryBill2'. On the left, a 'tblBill' table is selected, highlighted with a red border. Below it, the query's structure is defined:

- Field:** BillNum, GuestID, RoomCharges
- Table:** tblBill, tblBill, tblBill
- Sort:** Descending
- Show:** BillNum, GuestID, RoomCharges (checkmarks in the first three columns)
- Criteria:** (empty rows for additional criteria)

At the bottom right of the interface, there are buttons for 'SQL' and a pencil icon.

Query Bill

Database view

Query Bills

BillNum	GuestID	RoomCharges	RoomService	RestaurantCharges	BarCharges				
0011	0050575086544M	Rs50,000.00	Rs8,000.00	Rs1,500.00	Rs25,000.00				
0009	0150186654321S	Rs38,000.00	Rs7,000.00	Rs7,000.00	Rs15,680.00				
0006	0180376519361L	Rs30,000.00	Rs5,000.00	Rs7,800.00	Rs2,340.00				
0013	0170487752965F	Rs25,000.00	Rs4,555.00	Rs6,740.00					
0015	0020492653290L	Rs25,000.00	Rs590.00	Rs6,700.00	Rs4,570.00				
0004	0090192974707M	Rs24,000.00	Rs1,565.00	Rs3,600.00	Rs5,560.00				
0003	0051091676806P	Rs15,000.00	Rs2,500.00	Rs2,895.00					
0007	0140889765480M	Rs15,000.00	Rs2,050.00	Rs3,890.00					
0014	0010195763963P	Rs13,000.00	Rs2,500.00	Rs3,350.00	Rs3,590.00				
0012	0190890759379B	Rs12,000.00	Rs3,550.00	Rs5,580.00	Rs3,000.00				
0008	0171291564597L	Rs10,000.00	Rs1,500.00	Rs2,570.00	Rs6,000.00				
0001	0271195927397M	Rs10,000.00	Rs1,000.00	Rs4,000.00	Rs2,000.00				
0005	0171198582805D	Rs10,000.00	Rs500.00	Rs2,430.00	Rs2,380.00				
0010	0091189776854P	Rs9,000.00	Rs760.00	Rs4,050.00					
0002	0200988170520S	Rs6,000.00	Rs3,050.00	Rs3,780.00	Rs2,300.00				
*		Rs0.00	Rs0.00	Rs0.00	Rs0.00				

Design view

Query Bills

tblBill

*	BillNum	RoomCharges	RoomService	RestaurantCharges	BarCharges				
	GuestID								

Field: BillNum GuestID RoomCharges RoomService RestaurantCharges BarCharges

Table: tblBill tblBill tblBill tblBill tblBill tblBill

Sort: Descending Descending Descending Descending

Show:

Criteria: or:

SQL

Query Room

Database view

QueryRoom1

RoomNo	Occupancy
1004	OCC - Occupied
2099	OCC - Occupied
3001	OCC - Occupied
3004	OCC - Occupied
3005	OCC - Occupied
3088	OCC - Occupied
4055	OCC - Occupied
*	

Design view

QueryRoom1

tblRoom

RoomNo	Occupancy
1004	OCC - Occupied
2099	OCC - Occupied
3001	OCC - Occupied
3004	OCC - Occupied
3005	OCC - Occupied
3088	OCC - Occupied
4055	OCC - Occupied

Field: RoomNo Table: tblRoom

Show:

Criteria: "OCC - Occupied"

Query Room

Database view

The screenshot shows a database query results grid titled "QueryRoom2". The columns are "RoomNo" and "RoomType". The data rows are:

RoomNo	RoomType
2051	Family Room
3004	Family Room
3005	Family Room
3088	Family Room
4055	Family Room

Record: 1 of 5 | No Filter | Search | SQL |

Design view

The screenshot shows the design view of the query "QueryRoom2". It includes a table structure for "tblRoom" and a query grid.

Table Structure:

*	RoomNo	Occupancy	BookingID	RoomType
*				

Query Grid:

Field:	RoomNo	RoomType									
Table:	tblRoom	tblRoom									
Sort:	Ascending										
Show:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									
Criteria:		"Family Room"									
or:											

Query Room

Database view

QueryRoom3

RoomNo	RoomType	Occupancy
3004	Family Room	OCC - Occupied
3005	Family Room	OCC - Occupied
3088	Family Room	OCC - Occupied
4055	Family Room	OCC - Occupied
*		

Design view

QueryRoom3

The screenshot shows the Microsoft Access Query Design View window titled "QueryRoom3". On the left, a tree view displays the table "tblRoom" with fields: RoomNo, Occupancy, BookingID, and RoomType. The "RoomNo" field is selected. The main area contains the query definition:

- Field:** RoomNo, RoomType, Occupancy
- Table:** tblRoom, tblRoom, tblRoom
- Sort:** Ascending
- Show:** RoomNo (checked), RoomType (checked), Occupancy (checked)
- Criteria:** RoomType = "Family Room" and Occupancy = "OCC - Occupied"
- or:** (empty row)

At the bottom right, there are buttons for "SQL" and "Run".

Query room

Database view

The screenshot shows a database grid titled "QueryRoom4". The columns are labeled "RoomNo" and "BookingID". The data consists of 20 rows, each containing a Room number and its corresponding Booking ID. The first row, which contains the values "1004" and "4019", is highlighted with a red background.

RoomNo	BookingID
1004	4019
1089	4014
2034	4012
2051	4013
2056	4016
2099	4022
3001	4023
3004	4017
3005	4018
3088	4025
4055	4020
5022	4015
5078	4011
5098	4021
6048	4024
*	

Design view

The screenshot shows the design view of the query "QueryRoom4". On the left, there is a tree view of the table "tblRoom" with fields: RoomNo, Occupancy, BookingID, and RoomType. The "RoomNo" field is selected and highlighted with a red border. Below the tree view is a results grid. The top row of the grid is labeled with fields: "Field: RoomNo", "Table: tblRoom", "Field: BookingID", "Table: tblRoom", "Sort: Ascending", "Show: checked", and "Criteria: or:". The rest of the grid is empty, consisting of several rows of blank cells.

Query Room Type

Database view

QueryRoomType

RoomType	RoomDescription
Deluxe Room	King size bed, air conditioned, room service, mini fridge, internet access
Double Room	2 single beds, air conditioned, room service, mini fridge, internet access
Family Room	1 single bed, 1 double bed, air conditioned, room service, mini fridge, internet access, balcony with pool view, 2 bathrooms
Quad Room	2 single beds, 1 large double bed, air conditioned, room service, mini fridge, internet access
Room with a view	Single bed, air conditioned, room service, mini fridge, internet access, balcony with beach view
Single Room	Single bed, air conditioned, room service, mini fridge, internet access
Suite	King size bed, air conditioned, room service, mini fridge, high-speed internet access, coffee machine, backyard access
Triple Room	1 single bed, 1 double bed, air conditioned, room service, mini fridge, internet access
*	

Design view

QueryRoomType

tblRoomType

- * RoomType
 - RoomDescription

Field: RoomType RoomDescription

Table: tblRoomType

Sort: Ascending

Show:

Criteria: or:

Query transaction

Database view

Query Transaction1

PaymentID	PaymentDate	PaymentTime
DC937	7/11/2022	3:00 PM
DC765	7/19/2022	2:54 PM
DC273	7/25/2022	2:28 PM
DC153	7/23/2022	1:55 PM
CC892	7/22/2022	3:00 PM
CC846	7/3/2022	3:00 PM
CC689	7/26/2022	2:00 PM
CC683	7/19/2022	2:38 PM
CC492	7/25/2022	1:00 PM
CC274	7/17/2022	2:15 PM
CA920	7/10/2022	2:30 PM
CA903	7/24/2022	3:00 PM
CA827	7/17/2022	2:49 PM
CA648	7/25/2022	2:45 PM
CA273	7/21/2022	2:10 PM
*		

Record: 1 of 15 | No Filter | Search | SQL | 

Design view

Query Transaction1

tblTransactionMode

- * PaymentID
- PaymentMode
- PaymentMode.Value
- PaymentTime
- PaymentDate

Field:	PaymentID	PaymentDate	PaymentTime				
Table:	tblTransactionMode	tblTransactionMode	tblTransactionMode				
Sort:	Descending						
Show:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Criteria:	or:						

or:

SQL 

Query Transaction

Database view

PaymentID	PaymentMode
DC937	Cash, Debit Card
CC683	Cash, Credit Card
CA920	Cash
CA903	Cash
CA827	Cash, Credit Card
CA648	Cash
CA273	Cash, Credit Card
*	

Design view

Query Transaction2

tblTransactionMode

*
PaymentID
PaymentMode
PaymentMode.Value
PaymentTime
PaymentDate

Field: PaymentID PaymentMode PaymentMode.Value
Table: tblTransactionMode tblTransactionMode tblTransactionMode
Sort: Descending
Show:
Criteria: "Cash"
or:

SQL

Query Transaction

Database view

The screenshot shows a database query results window titled "QueryTransaction3". The table has two columns: "PaymentID" and "PaymentDate". The data includes:

PaymentID	PaymentDate
CA273	7/21/2022
CA648	7/25/2022
CA827	7/17/2022
CA903	7/24/2022
CA920	7/10/2022
CC274	7/17/2022
CC492	7/25/2022
CC683	7/19/2022
CC689	7/26/2022
CC846	7/3/2022
CC892	7/22/2022
DC153	7/23/2022
DC273	7/25/2022
DC765	7/19/2022
DC937	7/11/2022
*	

Record: 1 of 15 | No Filter | Search | SQL |

Design view

The screenshot shows a database query design window titled "QueryTransaction3". The top part displays the query structure:

```
tblTransactionMode
  *
    PaymentID
    PaymentMode
      PaymentMode.Value
    PaymentTime
    PaymentDate
```

The bottom part shows the query results grid with the following settings:

Field:	Table:	Sort:	Show:	Criteria:	or:
PaymentID	tblTransactionMode	Ascending	<input checked="" type="checkbox"/>		
	tblTransactionMode		<input checked="" type="checkbox"/>		
			<input type="checkbox"/>		
			<input type="checkbox"/>		
			<input type="checkbox"/>		
			<input type="checkbox"/>		
			<input type="checkbox"/>		
			<input type="checkbox"/>		

Record: 1 of 15 | SQL |

The form below is able to calculate the total for each guest by adding up their room charge, room service fee, restaurant charge and bar charge. The form can also show the guest ID and the bill number for easy identification.

Total

Database view

QueryCustomerForm subform

BillNum	0001
GuestID	0190890759379B
RoomCharges	Rs10,000.00
RoomService	Rs1,000.00
RestaurantCharges	Rs4,000.00
BarCharges	Rs2,000.00
Expr1	17,000.00

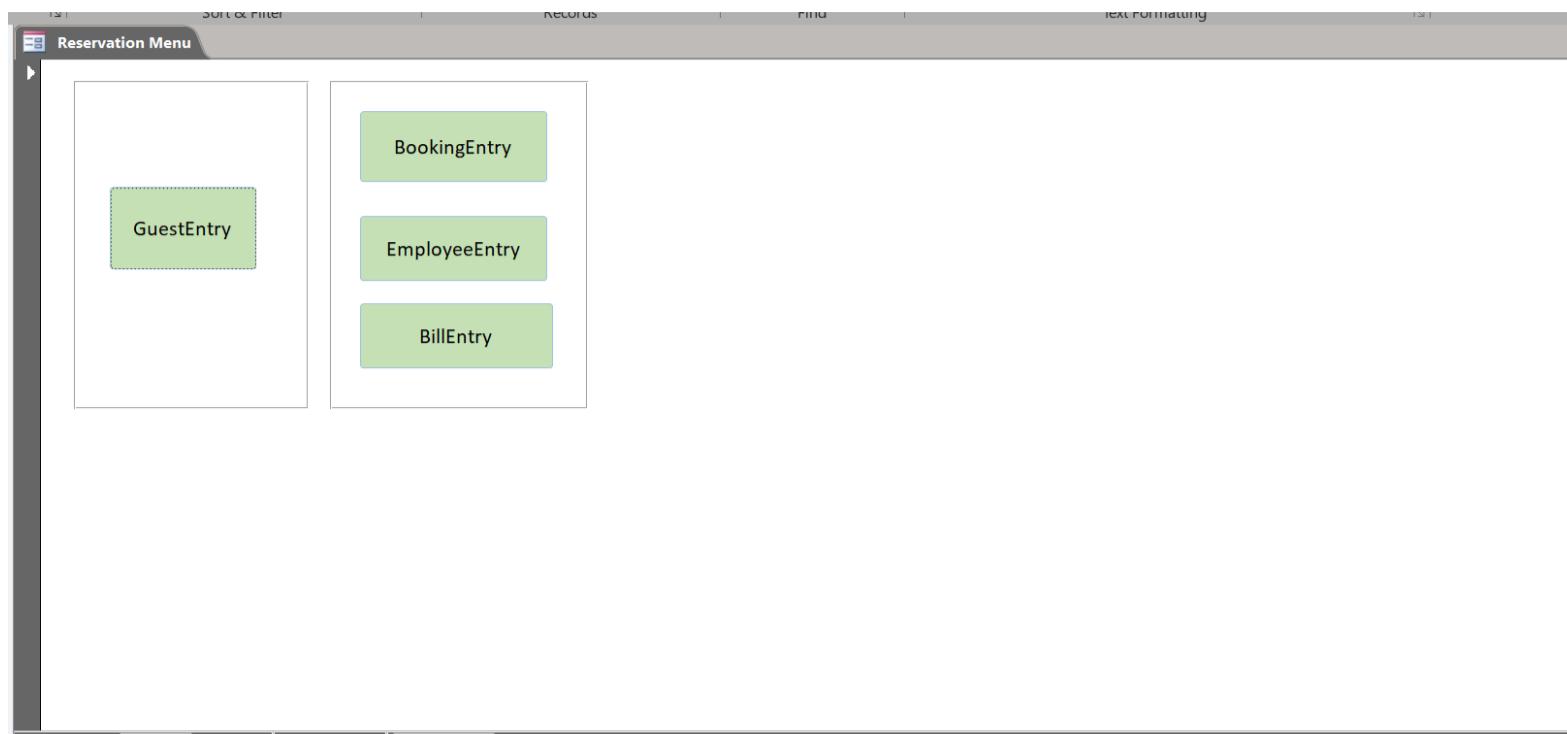
Design view

QueryCustomerForm subform

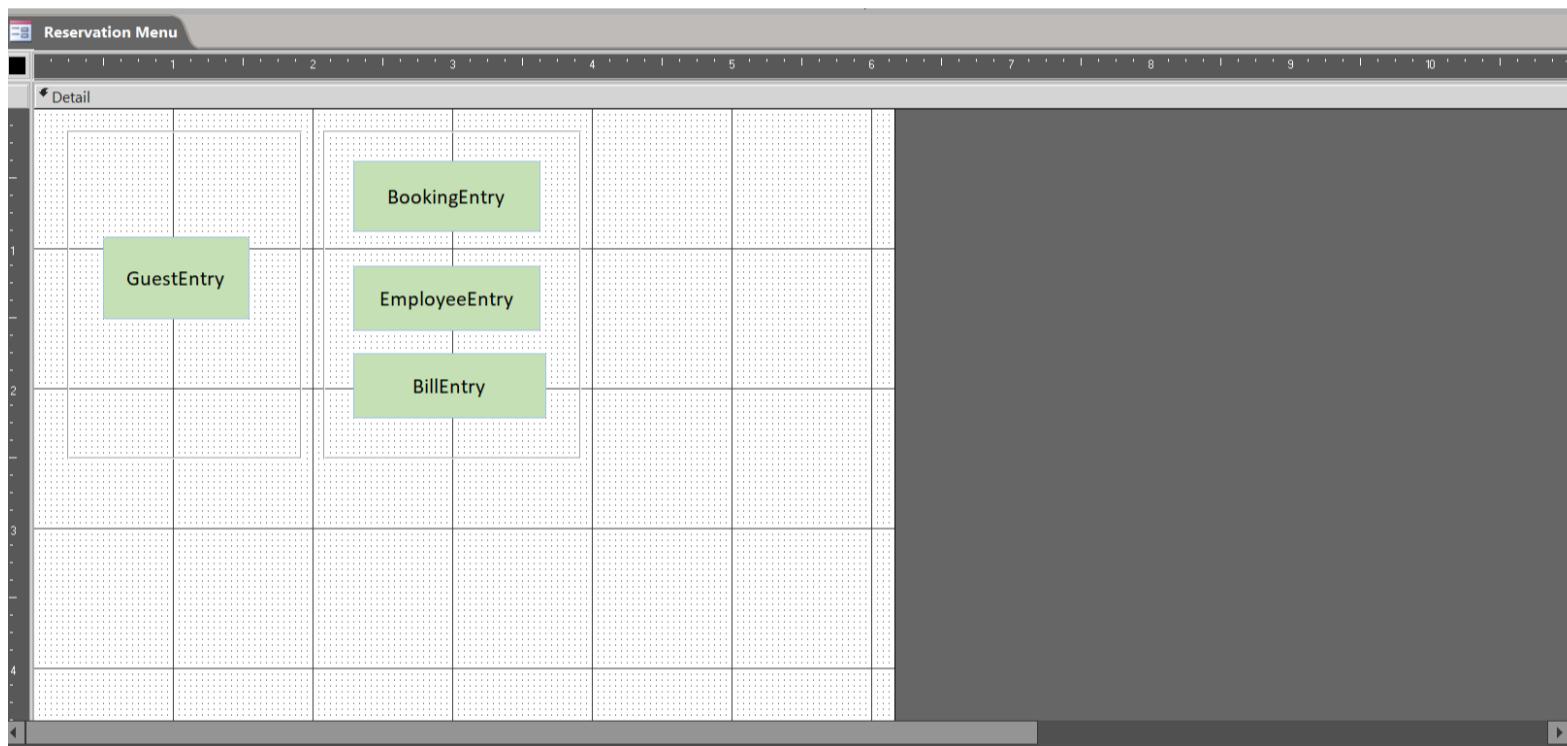
BillNum	BillNum
GuestID	GuestID
RoomCharges	RoomCharges
RoomService	RoomService
RestaurantCharges	RestaurantCharges
BarCharges	BarCharges
Expr1	Expr1

Menu

Database view



Design view



Report Invoice

Design view

The screenshot shows the Oracle SQL Report Designer interface. The report structure is organized into several sections:

- Page Header:** Contains a field labeled "Invoice" and another labeled "Invoice Date" with the formula "=Date()".
- =[GuestID] Header:** Contains fields for GuestID, FirstName, LastName, DOB, Gender, PhoneNum, Address, EmailAddress, and BookingID.
- =[BillNum] Header:** Contains fields for BillNum, Room Charges, Room Service, Restaurant Charges, and Bar Charges.
- Detail:** Contains fields for RoomCharges, RoomService, RestaurantCharge, and BarCharges.
- Page Footer:** This section is currently empty.

Report view

Invoice		Invoice Date		05/08/2022
GuestID	0010195763963P	Gender	F	
FirstName	Alice	PhoneNum	445555827465	
LastName	Patinson	Address	Birmingham, England	
DOB	01/01/1995	EmailAddress	Alice.patin@mailhu.uk	
BookingID	4024			
BillNum	0014			
Room Charges	Rs13,000.00	Room Service	Rs2,500.00	Restaurant Charges Rs3,350.00 Bar Charges Rs3,590.00
GuestID	0020492653290L	Gender	M	
FirstName	Marc	PhoneNum	33655576981	
LastName	Leblanc	Address	Bourges, France	
DOB	02/04/1992	EmailAddress	marclebg@free.fr	
BookingID	4025			
BillNum	0015			
Room Charges	Rs25,000.00	Room Service	Rs590.00	Restaurant Charges Rs6,700.00 Bar Charges Rs4,570.00

Oracle SQL

Table Booking

```
CREATE TABLE BOOKING(
BOOKINGID varchar(4) NOT NULL,
BOOKINGDATE date NOT NULL,
BOOKINGTIME date NOT NULL,
CHECKINDATE date NOT NULL,
CHECKIN date NOT NULL,
CHECKOUTDATE date NOT NULL,
CHECKOUT date NOT NULL,
NUMOFADULTS integer NOT NULL,
NUMOFCILDREN integer NOT NULL,
SPECIALREQUEST varchar(100),
CONSTRAINT BOOKINGID PRIMARY KEY (BOOKINGID)
);

INSERT INTO BOOKING VALUES (4011, TO_DATE('01/05/2022', 'DD/MM/YYYY'), TO_DATE('1:00PM', 'HH:MIAM'), TO_DATE('01/07/2022', 'DD/MM/YYYY'), TO_DATE('2:00PM', 'HH:MIAM'), TO_DATE('03/07/2022', 'DD/MM/YYYY'), TO_DATE('3:00PM', 'HH:MIAM'), 2, 0, 'Birthday Cake for dinner on 09-07-2022');

INSERT INTO BOOKING VALUES (4012, TO_DATE('03/05/2022', 'DD/MM/YYYY'), TO_DATE('9:05AM', 'HH:MIAM'), TO_DATE('05/07/2022', 'DD/MM/YYYY'), TO_DATE('2:00PM', 'HH:MIAM'), TO_DATE('10/07/2022', 'DD/MM/YYYY'), TO_DATE('3:00PM', 'HH:MIAM'), 2, 2, '');

INSERT INTO BOOKING VALUES (4013, TO_DATE('03/05/2022', 'DD/MM/YYYY'), TO_DATE('3:49PM', 'HH:MIAM'), TO_DATE('06/07/2022', 'DD/MM/YYYY'), TO_DATE('2:00PM', 'HH:MIAM'), TO_DATE('25/07/2022', 'DD/MM/YYYY'), TO_DATE('3:00PM', 'HH:MIAM'), 2, 3, 'Anti-allergy bedding');

INSERT INTO BOOKING VALUES (4014, TO_DATE('05/05/2022', 'DD/MM/YYYY'), TO_DATE('2:18PM', 'HH:MIAM'), TO_DATE('06/07/2022', 'DD/MM/YYYY'), TO_DATE('2:00PM', 'HH:MIAM'), TO_DATE('11/07/2022', 'DD/MM/YYYY'), TO_DATE('3:00PM', 'HH:MIAM'), 3, 0, '');

INSERT INTO BOOKING VALUES (4015, TO_DATE('07/05/2022', 'DD/MM/YYYY'), TO_DATE('12:45AM', 'HH:MIAM'), TO_DATE('08/07/2022', 'DD/MM/YYYY'), TO_DATE('2:00PM', 'HH:MIAM'), TO_DATE('25/07/2022', 'DD/MM/YYYY'), TO_DATE('3:00PM', 'HH:MIAM'), 2, 0, '');

INSERT INTO BOOKING VALUES (4016, TO_DATE('08/05/2022', 'DD/MM/YYYY'), TO_DATE('8:04AM', 'HH:MIAM'), TO_DATE('11/07/2022', 'DD/MM/YYYY'), TO_DATE('2:00PM', 'HH:MIAM'), TO_DATE('17/07/2022', 'DD/MM/YYYY'), TO_DATE('3:00PM', 'HH:MIAM'), 2, 0, 'Late checkout');

INSERT INTO BOOKING VALUES (4017, TO_DATE('08/05/2022', 'DD/MM/YYYY'), TO_DATE('9:13PM', 'HH:MIAM'), TO_DATE('12/07/2022', 'DD/MM/YYYY'), TO_DATE('2:00PM', 'HH:MIAM'), TO_DATE('19/07/2022', 'DD/MM/YYYY'), TO_DATE('3:00PM', 'HH:MIAM'), 2, 2, '');

INSERT INTO BOOKING VALUES (4018, TO_DATE('08/05/2022', 'DD/MM/YYYY'), TO_DATE('9:32PM', 'HH:MIAM'), TO_DATE('12/07/2022', 'DD/MM/YYYY'), TO_DATE('2:00PM', 'HH:MIAM'), TO_DATE('19/07/2022', 'DD/MM/YYYY'), TO_DATE('3:00PM', 'HH:MIAM'), 2, 3, '');

INSERT INTO BOOKING VALUES (4019, TO_DATE('09/05/2022', 'DD/MM/YYYY'), TO_DATE('7:19PM', 'HH:MIAM'), TO_DATE('12/07/2022', 'DD/MM/YYYY'), TO_DATE('2:00PM', 'HH:MIAM'), TO_DATE('24/07/2022', 'DD/MM/YYYY'), TO_DATE('3:00PM', 'HH:MIAM'), 1, 0, '');

INSERT INTO BOOKING VALUES (4020, TO_DATE('11/05/2022', 'DD/MM/YYYY'), TO_DATE('5:15AM', 'HH:MIAM'), TO_DATE('12/07/2022', 'DD/MM/YYYY'), TO_DATE('2:00PM', 'HH:MIAM'), TO_DATE('23/07/2022', 'DD/MM/YYYY'), TO_DATE('3:00PM', 'HH:MIAM'), 2, 3, '');

INSERT INTO BOOKING VALUES (4021, TO_DATE('12/05/2022', 'DD/MM/YYYY'), TO_DATE('4:27PM', 'HH:MIAM'), TO_DATE('13/07/2022', 'DD/MM/YYYY'), TO_DATE('2:00PM', 'HH:MIAM'), TO_DATE('17/07/2022', 'DD/MM/YYYY'), TO_DATE('3:00PM', 'HH:MIAM'), 2, 0, 'Early check-In');

INSERT INTO BOOKING VALUES (4022, TO_DATE('14/05/2022', 'DD/MM/YYYY'), TO_DATE('5:00PM', 'HH:MIAM'), TO_DATE('14/07/2022', 'DD/MM/YYYY'), TO_DATE('2:00PM', 'HH:MIAM'), TO_DATE('26/07/2022', 'DD/MM/YYYY'), TO_DATE('3:00PM', 'HH:MIAM'), 2, 2, '');

INSERT INTO BOOKING VALUES (4023, TO_DATE('16/05/2022', 'DD/MM/YYYY'), TO_DATE('2:45PM', 'HH:MIAM'), TO_DATE('14/07/2022', 'DD/MM/YYYY'), TO_DATE('2:00PM', 'HH:MIAM'), TO_DATE('22/07/2022', 'DD/MM/YYYY'), TO_DATE('3:00PM', 'HH:MIAM'), 2, 2, '');

INSERT INTO BOOKING VALUES (4024, TO_DATE('17/05/2022', 'DD/MM/YYYY'), TO_DATE('6:54PM', 'HH:MIAM'), TO_DATE('16/07/2022', 'DD/MM/YYYY'), TO_DATE('2:00PM', 'HH:MIAM'), TO_DATE('21/07/2022', 'DD/MM/YYYY'), TO_DATE('3:00PM', 'HH:MIAM'), 2, 0, 'Room with a view');
```

```
INSERT INTO BOOKING VALUES (4025, TO_DATE('17/05/2022', 'DD/MM/YYYY'), TO_DATE('7:30PM', 'HH:MIAM'), TO_DATE('19/07/2022', 'DD/MM/YYYY'), TO_DATE('2:00PM', 'HH:MIAM'), TO_DATE('25/07/2022', 'DD/MM/YYYY'), TO_DATE('3:00PM', 'HH:MIAM'), 2, 3, "");
```

→ SELECT BOOKINGID, TO_CHAR(BOOKINGDATE, 'DD/MM/YYYY') AS BOOKINGDATE, TO_CHAR(BOOKINGTIME, 'HH:MI AM') AS BOOKINGTIME, TO_CHAR(CHECKINDATE, 'DD/MM/YYYY') AS CHECKINDATE, TO_CHAR(CHECKIN, 'HH:MI AM') AS CHECKIN, TO_CHAR(CHECKOUTDATE, 'DD/MM/YYYY') AS CHECKOUTDATE, TO_CHAR(CHECKOUT, 'HH:MI AM') AS CHECKOUT, NUMOFADULTS, NUMOFCILDREN, SPECIALREQUEST FROM BOOKING;

BOOKINGID	BOOKINGDATE	BOOKINGTIME	CHECKINDATE	CHECKIN	CHECKOUTDATE	CHECKOUT	NUMOFADULTS	NUMOFCILDREN	SPECIALREQUEST
4011	01/05/2022	01:00 PM	01/07/2022	02:00 PM	03/07/2022	03:00 PM	2	0	Birthday Cake for dinner on 09-07-2022
4012	03/05/2022	09:05 AM	05/07/2022	02:00 PM	10/07/2022	03:00 PM	2	2	-
4013	03/05/2022	03:49 PM	06/07/2022	02:00 PM	25/07/2022	03:00 PM	2	3	Anti-allergy bedding
4014	05/05/2022	02:18 PM	06/07/2022	02:00 PM	11/07/2022	03:00 PM	3	0	-
4015	07/05/2022	12:45 AM	08/07/2022	02:00 PM	25/07/2022	03:00 PM	2	0	-
4016	08/05/2022	08:04 AM	11/07/2022	02:00 PM	17/07/2022	03:00 PM	2	0	Late checkout
4017	08/05/2022	09:13 PM	12/07/2022	02:00 PM	19/07/2022	03:00 PM	2	2	-
4018	08/05/2022	09:32 PM	12/07/2022	02:00 PM	19/07/2022	03:00 PM	2	3	-
4019	09/05/2022	07:19 PM	12/07/2022	02:00 PM	24/07/2022	03:00 PM	1	0	-
4020	11/05/2022	05:15 AM	12/07/2022	02:00 PM	23/07/2022	03:00 PM	2	3	-
4021	12/05/2022	04:27 PM	13/07/2022	02:00 PM	17/07/2022	03:00 PM	2	0	Early check-In
4022	14/05/2022	05:00 PM	14/07/2022	02:00 PM	26/07/2022	03:00 PM	2	2	-
4023	16/05/2022	02:45 PM	14/07/2022	02:00 PM	22/07/2022	03:00 PM	2	2	-
4024	17/05/2022	06:54 PM	16/07/2022	02:00 PM	21/07/2022	03:00 PM	2	0	Room with a view
4025	17/05/2022	07:30 PM	19/07/2022	02:00 PM	25/07/2022	03:00 PM	2	3	-

→ SELECT BOOKINGID, NUMOFADULTS, NUMOFCILDREN FROM BOOKING;

BOOKINGID	NUMOFADULTS	NUMOFCILDREN
4011	2	0
4012	2	2
4013	2	3
4014	3	0
4015	2	0
4016	2	0
4017	2	2
4018	2	3
4019	1	0
4020	2	3
4021	2	0
4022	2	2
4023	2	2
4024	2	0
4025	2	3

→ SELECT BOOKINGID, TO_CHAR(CHECKINDATE, 'DD/MM/YYYY') AS CHECKINDATE, TO_CHAR(CHECKOUTDATE, 'DD/MM/YYYY') AS CHECKOUTDATE FROM BOOKING;

BOOKINGID	CHECKINDATE	CHECKOUTDATE
4011	01/07/2022	03/07/2022
4012	05/07/2022	10/07/2022
4013	06/07/2022	25/07/2022
4014	06/07/2022	11/07/2022
4015	08/07/2022	25/07/2022
4016	11/07/2022	17/07/2022
4017	12/07/2022	19/07/2022
4018	12/07/2022	19/07/2022
4019	12/07/2022	24/07/2022
4020	12/07/2022	23/07/2022
4021	13/07/2022	17/07/2022
4022	14/07/2022	26/07/2022
4023	14/07/2022	22/07/2022
4024	16/07/2022	21/07/2022
4025	19/07/2022	25/07/2022

Table Guest

```
CREATE TABLE GUEST(
```

```
    GUESTID varchar(14) NOT NULL,
    BOOKINGID varchar(4) NOT NULL,
    FIRSTNAME varchar(30) NOT NULL,
    LASTNAME varchar(30) NOT NULL,
    DOB date NOT NULL,
    GENDER char NOT NULL,
    PHONENUM number(15),
    EMAILADDRESS varchar(30) NOT NULL,
    ADDRESS varchar(50) NOT NULL,
    CONSTRAINT GUESTID PRIMARY KEY (GUESTID),
    CONSTRAINT BOOKINGID_FK FOREIGN KEY (BOOKINGID) REFERENCES BOOKING(BOOKINGID)
);
```

```
INSERT INTO GUEST VALUES ('0271195927397M', 4011, 'Elodie', 'Macquet', TO_DATE ('27/11/1995', 'DD/MM/YYYY'), 'F', '23057693013',
'elodiemac@gmail.com', 'Curepipe, Mauritius');
```

```
INSERT INTO GUEST VALUES ('0200988170520S', 4012, 'Neil', 'Smulders', TO_DATE ('20/09/1988', 'DD/MM/YYYY'), 'M', '',
'n.smulders@gmail.com', 'Bonnyville, Canada');
```

```
INSERT INTO GUEST VALUES ('0051091676806P', 4013, 'Panayotis', 'Pasto', TO_DATE ('05/10/1991', 'DD/MM/YYYY'), 'M', 'pana.perso@live.gr',
'', 'Athena, Greece');
```

```
INSERT INTO GUEST VALUES ('0090192974707M', 4014, 'Julia', 'Macy', TO_DATE ('09/01/1992', 'DD/MM/YYYY'), 'F', '27810005933',
'macyjulia2@hotmail.com', 'Cape Town, South Africa');
```

```
INSERT INTO GUEST VALUES ('0171198582805D', 4015, 'Martin', 'Dawkins', TO_DATE ('17/11/1998', 'DD/MM/YYYY'), 'M', '445556374009',
'd.marti98@gmail.com', 'Bristol, England');
```

```
INSERT INTO GUEST VALUES ('0180376519361L', 4016, 'Marine ', 'Lemouche', TO_DATE ('18/03/1976', 'DD/MM/YYYY'), 'F', '33700555279',
'marinelamoucheduc@yahoo.fr', 'Aix-en-Provence, France');
```

```
INSERT INTO GUEST VALUES ('0140889765480M', 4017, 'Carlos', 'Manchos', TO_DATE ('14/08/1989', 'DD/MM/YYYY'), 'M', '33798384823',
'carlosmanchos@hotmail.com', 'Montalbo, Spain');
```

```

INSERT INTO GUEST VALUES ('0171291564597L', 4018, 'Maria', 'Lafolas', TO_DATE ('17/12/1991', 'DD/MM/YYYY'), 'F', '34824807491',
'marialafolasmanchos@gmail.com ', 'Montalbo, Spain');

INSERT INTO GUEST VALUES ('0150186654321S', 4019, 'Fernito', 'Serra', TO_DATE ('15/01/1986', 'DD/MM/YYYY'), 'M', "", 'fernito@serra.ch ',
'Bergamo, Switzerland');

INSERT INTO GUEST VALUES ('0091189776854P', 4020, 'Marcelino', 'Papi', TO_DATE ('09/11/1989', 'DD/MM/YYYY'), 'M', '39382555682',
'marcelinobin@compn.it', 'Pisa, Italy');

INSERT INTO GUEST VALUES ('0050575086544M', 4021, 'Svea', 'Munchauzen', TO_DATE ('05/05/1975', 'DD/MM/YYYY'), 'F', "",
's.munchauzen@gmail.com', 'Hamburg, Germany');

INSERT INTO GUEST VALUES ('0190890759379B', 4022, 'Avneel', 'Baria', TO_DATE ('19/08/1990', 'DD/MM/YYYY'), 'M', '91955553283',
'avneelbariabwn@gmail.com', 'Chandigarh, India');

INSERT INTO GUEST VALUES ('0170487752965F', 4023, 'Paola', 'Fernandes', TO_DATE ('17/04/1987', 'DD/MM/YYYY'), 'M', "",
'Pa.fern1@hotmail.com', 'Lisboa, Portugal');

INSERT INTO GUEST VALUES ('0010195763963P', 4024, 'Alice', 'Patinson', TO_DATE ('01/01/1995', 'DD/MM/YYYY'), 'F', '445555827465',
'alice.patin@mailthu.uk', 'Birmingham, England');

INSERT INTO GUEST VALUES ('0020492653290L', 4025, 'Marc', 'Leblanc', TO_DATE ('02/04/1992', 'DD/MM/YYYY'), 'M', '33655576981',
'marclebg@free.fr', 'Bourges, France');

```

→ SELECT GUESTID, BOOKINGID, FIRSTNAME, LASTNAME, TO_CHAR(DOB, 'DD/MM/YYYY') AS DOB, GENDER, PHONENUM, EMAILADDRESS, ADDRESS FROM GUEST;

GUESTID	BOOKINGID	FIRSTNAME	LASTNAME	DOB	GENDER	PHONENUM	EMAILADDRESS	ADDRESS
0051091676806P	4013	Panayotis	Pasto	05-OCT-91	M	-	pana.perso@live.gr	Athena, Greece
0090192974707M	4014	Julia	Macy	09-JAN-92	F	27810005933	macyjulia2@hotmail.com	Cape Town, South Africa
0171198582805D	4015	Martin	Dawkins	17-NOV-98	M	445556374009	d.marti98@gmail.com	Bristol, England
0180376519361L	4016	Marine	Lemouche	18-MAR-76	F	33700555279	marinelamoucheduc@yahoo.fr	Aix-en-Provence, France
0140889765480M	4017	Carlos	Manchos	14-AUG-89	M	33798384823	carlosmanchos@hotmail.com	Montalbo, Spain
0171291564597L	4018	Maria	Lafolas	17-DEC-91	F	34824807491	marialafolasmanchos@gmail.com	Montalbo, Spain
0150186654321S	4019	Fernito	Serra	15-JAN-86	M	-	fernito@serra.ch	Bergamo, Switzerland
0091189776854P	4020	Marcelino	Papi	09-NOV-89	M	39382555682	marcelinobin@compn.it	Pisa, Italy
0050575086544M	4021	Svea	Munchauzen	05-MAY-75	F	-	s.munchauzen@gmail.com	Hamburg, Germany
0190890759379B	4022	Avneel	Baria	19-AUG-90	M	91955553283	avneelbariabwn@gmail.com	Chandigarh, India
0170487752965F	4023	Paola	Fernandes	17-APR-87	M	-	Pa.fern1@hotmail.com	Lisboa, Portugal
0010195763963P	4024	Alice	Patinson	01-JAN-95	F	445555827465	alice.patin@mailthu.uk	Birmingham, England
0020492653290L	4025	Marc	Leblanc	02-APR-92	M	33655576981	marclebg@free.fr	Bourges, France
0271195927397M	4011	Elodie	Macquet	27-NOV-95	F	23057693013	elodiemac@gmail.com	Curepipe, Mauritius
0200988170520S	4012	Neil	Smulders	20-SEP-88	M	-	n.smulders@gmail.com	Bonnyville, Canada

→ SELECT GUESTID, FIRSTNAME, LASTNAME FROM GUEST;

GUESTID	FIRSTNAME	LASTNAME
0051091676806P	Panayotis	Pasto
0090192974707M	Julia	Macy
0171198582805D	Martin	Dawkins
0180376519361L	Marine	Lemouche
0140889765480M	Carlos	Manchos
0171291564597L	Maria	Lafolas
0150186654321S	Fernito	Serra
0091189776854P	Marcelino	Papi
0050575086544M	Svea	Munchauzen
0190890759379B	Avneel	Baria
0170487752965F	Paola	Fernandes
0010195763963P	Alice	Patinson
0020492653290L	Marc	Leblanc
0271195927397M	Elodie	Macquet
0200988170520S	Neil	Smulders

UPDATE GUEST

```
SET EMAILADDRESS = 'elodiemac@outlook.com'
WHERE BOOKINGID = 4011;
```

→ SELECT GUESTID, BOOKINGID, FIRSTNAME, LASTNAME, TO_CHAR(DOB, 'DD/MM/YYYY') AS DOB, GENDER, PHONENUM, EMAILADDRESS, ADDRESS FROM GUEST WHERE BOOKINGID = 4011;

GUESTID	BOOKINGID	FIRSTNAME	LASTNAME	DOB	GENDER	PHONENUM	EMAILADDRESS	ADDRESS
0271195927397M	4011	Elodie	Macquet	27/11/1995	F	23057693013	elodiemac@outlook.com	Curepipe, Mauritius

Table Employee

```
CREATE TABLE EMPLOYEE(
EMPLOYEEID varchar(14) NOT NULL,
ROLEID varchar(5) NOT NULL,
BOOKINGID varchar(4) NOT NULL,
FIRSTNAME varchar(30) NOT NULL,
LASTNAME varchar(30) NOT NULL,
DOB date NOT NULL,
GENDER char NOT NULL,
PHONENUM number(8) NOT NULL,
EMAILADDRESS varchar(30),
STARTSHIFT date NOT NULL,
ENDSHIFT date NOT NULL,
CONSTRAINT EMPLOYEEID PRIMARY KEY (EMPLOYEEID),
CONSTRAINT ROLEID_FK FOREIGN KEY (ROLEID) REFERENCES EMPLOYEROLE(ROLEID),
CONSTRAINT BOOKINGID_FK FOREIGN KEY (BOOKINGID) REFERENCES BOOKING(BOOKINGID)
);
```

```

INSERT INTO EMPLOYEE VALUES ('0050770481934M', 'R005T', 4011, 'Sheena', 'Mukhish', TO_DATE('05/07/1970', 'DD/MM/YYYY'), 'F', 23057732901, 's.mukhish@gmail.com', TO_DATE('12:00PM', 'HH:MI AM'), TO_DATE('8:00PM', 'HH:MI AM'));

INSERT INTO EMPLOYEE VALUES ('0170995471903R', 'B101B', 4012, 'Anusha', 'Roovha', TO_DATE('17/09/1995', 'DD/MM/YYYY'), 'F', 23054981034, 'a.roovha@gmail.com', TO_DATE('7:00AM', 'HH:MI AM'), TO_DATE('3:00 PM', 'HH:MI AM'));

INSERT INTO EMPLOYEE VALUES ('0140581937202L', 'H010R', 4013, 'Eric', 'Luc', TO_DATE('14/05/1981', 'DD/MM/YYYY'), 'M', 23058194844, 'ericluc1@hotmail.com', TO_DATE('7:00AM', 'HH:MI AM'), TO_DATE('3:00PM', 'HH:MI AM'));

INSERT INTO EMPLOYEE VALUES ('0181197743600S', 'M100S', 4014, 'TANISHTA', 'Seesurn', TO_DATE('18/11/1997', 'DD/MM/YYYY'), 'F', 23059717499, 'tseesurn@gmail.com', TO_DATE('3:00PM', 'HH:MI AM'), TO_DATE('11:00PM', 'HH:MI AM'));

INSERT INTO EMPLOYEE VALUES ('0250383009267M', 'D111W', 4015, 'Kneeny', 'Mireles', TO_DATE('25/03/1983', 'DD/MM/YYYY'), 'M', 2302509213, 'Kneeny.m25@outlook.com', TO_DATE('7:00AM', 'HH:MI AM'), TO_DATE('3:00PM', 'HH:MI AM'));

INSERT INTO EMPLOYEE VALUES ('0111200872401P', 'R005T', 4016, 'Jase', 'Perinoo', TO_DATE('11/12/2000', 'DD/MM/YYYY'), 'F', 23058091732, 'jase.p11@gmail.com', TO_DATE('7:00AM', 'HH:MI AM'), TO_DATE('3:00PM', 'HH:MI AM'));

INSERT INTO EMPLOYEE VALUES ('0250789937202L', 'B001B', 4017, 'Cedrick', 'Luc', TO_DATE('25/07/1989', 'DD/MM/YYYY'), 'M', 23058192321, TO_DATE('12:00PM', 'HH:MI AM'), TO_DATE('8:00PM', 'HH:MI AM'));

INSERT INTO EMPLOYEE VALUES ('0220697743600S', 'C111C', 4018, 'Grace', 'Stone', TO_DATE('22/06/1997', 'DD/MM/YYYY'), 'F', 23059776543, TO_DATE('7:00AM', 'HH:MI AM'), TO_DATE('11:00PM', 'HH:MI AM'));

INSERT INTO EMPLOYEE VALUES ('0150395872401P', 'C001C', 4019, 'Jase', 'Parker', TO_DATE('15/03/1995', 'DD/MM/YYYY'), 'F', 23059123452, TO_DATE('7:00AM', 'HH:MI AM'), TO_DATE('3:00PM', 'HH:MI AM'));

INSERT INTO EMPLOYEE VALUES ('0140585937201T', 'B110M', 4020, 'Paul', 'Tiblanc', TO_DATE('14/05/1985', 'DD/MM/YYYY'), 'M', 23058165434, TO_DATE('12:00PM', 'HH:MI AM'), TO_DATE('8:00PM', 'HH:MI AM'));

INSERT INTO EMPLOYEE VALUES ('0280490009267M', 'H010A', 4021, 'Laurie', 'Carrington', TO_DATE('28/04/1990', 'DD/MM/YYYY'), 'F', 23057543990, 'lauriecar@outlook.com', TO_DATE('3:00PM', 'HH:MI AM'), TO_DATE('11:00PM', 'HH:MI AM'));

INSERT INTO EMPLOYEE VALUES ('0300599177659J', 'H007E', 4022, 'Tavish', 'Jhurry', TO_DATE('30/05/1999', 'DD/MM/YYYY'), 'M', 23059710491, 'tavish.05@hotmail.com', TO_DATE('12:00PM', 'HH:MI AM'), TO_DATE('8:00PM', 'HH:MI AM'));

INSERT INTO EMPLOYEE VALUES ('0051170896457C', 'M100S', 4023, 'Sarah', 'Cooper', TO_DATE('05/11/1970', 'DD/MM/YYYY'), 'F', 23057723523, TO_DATE('7:00AM', 'HH:MI AM'), TO_DATE('3:00PM', 'HH:MI AM'));

INSERT INTO EMPLOYEE VALUES ('0030299536726G', 'G002M', 4024, 'Gina', 'Glover', TO_DATE('03/02/1999', 'DD/MM/YYYY'), 'F', 23058238913, 'glovgi@yahoo.com', TO_DATE('12:00PM', 'HH:MI AM'), TO_DATE('8:00PM', 'HH:MI AM'));

INSERT INTO EMPLOYEE VALUES ('0111099471903W', 'H001M', 4025, 'Lian', 'Wedley', TO_DATE('11/10/1999', 'DD/MM/YYYY'), 'M', 23054542342, TO_DATE('12:00PM', 'HH:MI AM'), TO_DATE('11:00PM', 'HH:MI AM'));

```

→ SELECT EMPLOYEEID, ROLEID, BOOKINGID, FIRSTNAME, LASTNAME, TO_CHAR(DOB, 'DD/MM/YYYY') AS dob, GENDER, PHONENUM, EMAILADDRESS, TO_CHAR(STARTSHIFT, 'HH:MI AM') AS STARTSHIFT, TO_CHAR(ENDSHIFT, 'HH:MI AM') AS ENDSHIFT FROM EMPLOYEE;

EMPLOYEEID	ROLEID	BOOKINGID	FIRSTNAME	LASTNAME	DOB	GENDER	PHONENUM	EMAILADDRESS	STARTSHIFT	ENDSHIFT
0050770481934M	R005T	4011	Sheena	Mukhish	05/07/1970	F	23057732901	s.mukhish@gmail.com	12:00 PM	08:00 PM
0140581937202L	H010R	4013	Eric	Luc	14/05/1981	M	23058194844	ericluc1@hotmail.com	07:00 AM	03:00 PM
0170995471903R	B101B	4012	Anusha	Roovha	17/09/1995	F	23054981034	a.roovha@gmail.com	07:00 AM	03:00 PM
0181197743600S	M100S	4014	TANISHTA	Seesurn	18/11/1997	F	23059717499	tseesurn@gmail.com	03:00 PM	11:00 PM
0250383009267M	D111W	4015	Kneeny	Mireles	25/03/1983	M	2302509213	Kneeny.m25@outlook.com	07:00 AM	03:00 PM
0111200872401P	R005T	4016	Jase	Perinoo	11/12/2000	F	23058091732	jase.p11@gmail.com	07:00 AM	03:00 PM
0250789937202L	B001B	4017	Cedrick	Luc	25/07/1989	M	23058192321	-	12:00 PM	08:00 PM
0220697743600S	C111C	4018	Grace	Stone	22/06/1997	F	23059776543	-	07:00 AM	11:00 PM
0150395872401P	C001C	4019	Jase	Parker	15/03/1995	F	23059123452	-	07:00 AM	03:00 PM
0140585937201T	B110M	4020	Paul	Tiblanc	14/05/1985	M	23058165434	-	12:00 PM	08:00 PM
0280490009267M	H010A	4021	Laurie	Carrington	28/04/1990	F	23057543990	lauriecar@outlook.com	03:00 PM	11:00 PM
0300599177659J	H007E	4022	Tavish	Jhurry	30/05/1999	M	23059710491	tavish.05@hotmail.com	12:00 PM	08:00 PM
0051170896457C	M100S	4023	Sarah	Cooper	05/11/1970	F	23057723523	-	07:00 AM	03:00 PM
0030299536726G	G002M	4024	Gina	Glover	03/02/1999	F	23058238913	glovgi@yahoo.com	12:00 PM	08:00 PM
0111099471903W	H001M	4025	Lian	Wedley	11/10/1999	M	23054542342	-	12:00 PM	11:00 PM

→ SELECT EMPLOYEEID, ROLEID FROM EMPLOYEE;

EMPLOYEEID	ROLEID
0050770481934M	R005T
0140581937202L	H010R
0170995471903R	B101B
0181197743600S	M100S
0250383009267M	D111W
0111200872401P	R005T
0250789937202L	B001B
0220697743600S	C111C
0150395872401P	C001C
0140585937201T	B110M
0280490009267M	H010A
0300599177659J	H007E
0051170896457C	M100S
0030299536726G	G002M
0111099471903W	H001M

→ SELECT EMPLOYEEID, FIRSTNAME, LASTNAME, TO_CHAR(STARTSHIFT, 'HH:MI AM') AS STARTSHIFT, TO_CHAR(ENDSHIFT, 'HH:MI AM') AS ENDSHIFT FROM EMPLOYEE;

EMPLOYEEID	FIRSTNAME	LASTNAME	STARTSHIFT	ENDSHIFT
0050770481934M	Sheena	Mukhish	12:00 PM	08:00 PM
0140581937202L	Eric	Luc	07:00 AM	03:00 PM
0170995471903R	Anusha	Roovha	07:00 AM	03:00 PM
0181197743600S	Tanishta	Seesurn	03:00 PM	11:00 PM
0250383009267M	Kneeny	Mireles	07:00 AM	03:00 PM
0111200872401P	Jase	Perinoo	07:00 AM	03:00 PM
0250789937202L	Cedrick	Luc	12:00 PM	08:00 PM
0220697743600S	Grace	Stone	07:00 AM	11:00 PM
0150395872401P	Jase	Parker	07:00 AM	03:00 PM
0140585937201T	Paul	Tiblanc	12:00 PM	08:00 PM
0280490009267M	Laurie	Carrington	03:00 PM	11:00 PM
0300599177659J	Tavish	Jhurry	12:00 PM	08:00 PM
0051170896457C	Sarah	Cooper	07:00 AM	03:00 PM
0030299536726G	Gina	Glover	12:00 PM	08:00 PM
0111099471903W	Lian	Wedley	12:00 PM	11:00 PM

Table Room

```
CREATE TABLE ROOM(
    ROOMNO varchar(4) NOT NULL,
    BOOKINGID varchar(4) NOT NULL,
    ROOMTYPE varchar(20) NOT NULL,
    OCCUPANCY varchar(20) NOT NULL,
    CONSTRAINT ROOMNO PRIMARY KEY (ROOMNO),
    CONSTRAINT BOOKINGID_RFK FOREIGN KEY (BOOKINGID) REFERENCES BOOKING(BOOKINGID),
```

```
CONSTRAINT ROOMTYPE_RFK FOREIGN KEY (ROOMTYPE) REFERENCES ROOMTYPE(ROOMTYPE)
```

```
);
```

```
INSERT INTO ROOM VALUES(5078, 4011, 'Suite', 'CO - Check-Out');  
INSERT INTO ROOM VALUES(2034, 4012, 'Quad Room', 'CO - Check-Out');  
INSERT INTO ROOM VALUES(2051, 4013, 'Family Room', 'OCC- Occupied');  
INSERT INTO ROOM VALUES(1089, 4014, 'Triple Room', 'CO - Check-Out');  
INSERT INTO ROOM VALUES(5022, 4015, 'Deluxe Room', 'DND - Do Not Disturb');  
INSERT INTO ROOM VALUES(2056, 4016, 'Double Room', 'LC - Late Check out');  
INSERT INTO ROOM VALUES(3004, 4017, 'Family Room', 'OCC - Occupied');  
INSERT INTO ROOM VALUES(3005, 4018, 'Family Room', 'OCC - Occupied');  
INSERT INTO ROOM VALUES(1004, 4019, 'Single Room', 'OCC - Occupied');  
INSERT INTO ROOM VALUES(4055, 4020, 'Family Room', 'OCC - Occupied');  
INSERT INTO ROOM VALUES(5098, 4021, 'Suite', 'EC - Early Check-in');  
INSERT INTO ROOM VALUES(2099, 4022, 'Quad Room', 'OCC - Occupied');  
INSERT INTO ROOM VALUES(3001, 4023, 'Quad Room', 'OCC - Occupied');  
INSERT INTO ROOM VALUES(6048, 4024, 'Room with a view', 'DND - Do Not Disturb');  
INSERT INTO ROOM VALUES(3088, 4025, 'Family Room', 'OCC - Occupied');
```

```
→ SELECT * FROM ROOM;
```

ROOMNO	BOOKINGID	ROOMTYPE	OCCUPANCY
5078	4011	Suite	CO - Check-Out
2034	4012	Quad Room	CO - Check-Out
2051	4013	Family Room	OCC- Occupied
1089	4014	Triple Room	CO - Check-Out
5022	4015	Deluxe Room	DND - Do Not Disturb
2056	4016	Double Room	LC - Late Check out
3004	4017	Family Room	OCC - Occupied
3005	4018	Family Room	OCC - Occupied
1004	4019	Single Room	OCC - Occupied
4055	4020	Family Room	OCC - Occupied
5098	4021	Suite	EC - Early Check-in
2099	4022	Quad Room	OCC - Occupied
3001	4023	Quad Room	OCC - Occupied
6048	4024	Room with a view	DND - Do Not Disturb
3088	4025	Family Room	OCC - Occupied

→ SELECT ROOMNO, ROOMTYPE FROM ROOM;

ROOMNO	ROOMTYPE
5078	Suite
2034	Quad Room
2051	Family Room
1089	Triple Room
5022	Deluxe Room
2056	Double Room
3004	Family Room
3005	Family Room
1004	Single Room
4055	Family Room
5098	Suite
2099	Quad Room
3001	Quad Room
6048	Room with a view
3088	Family Room

→ SELECT ROOMNO, OCCUPANCY FROM ROOM ORDER BY ROOMNO;

ROOMNO	OCCUPANCY
1004	OCC - Occupied
1089	CO - Check-Out
2034	CO - Check-Out
2051	OCC- Occupied
2056	LC - Late Check out
2099	OCC - Occupied
3001	OCC - Occupied
3004	OCC - Occupied
3005	OCC - Occupied
3088	OCC - Occupied
4055	OCC - Occupied
5022	DND - Do Not Disturb
5078	CO - Check-Out
5098	EC - Early Check-in
6048	DND - Do Not Disturb

Table RoomType

```
CREATE TABLE ROOMTYPE(  
    ROOMTYPE varchar(20) NOT NULL,  
    ROOMDESCRIPTION varchar(255) NOT NULL,  
    CONSTRAINT ROOMTYPE PRIMARY KEY (ROOMTYPE)  
)
```

```

INSERT INTO ROOMTYPE VALUES('Single Room', 'Single bed, air conditioned, room service, mini fridge, internet access');
INSERT INTO ROOMTYPE VALUES('Double Room', '2 single beds, air conditioned, room service, mini fridge, internet access');
INSERT INTO ROOMTYPE VALUES('Triple Room', '1 single bed, 1 double bed, air conditioned, room service, mini fridge, internet access');
INSERT INTO ROOMTYPE VALUES('Quad Room', '2 single beds, 1 large double bed, air conditioned, room service, mini fridge, internet access');
INSERT INTO ROOMTYPE VALUES('Family Room', '1 single bed, 1 double bed, air conditioned, room service, mini fridge, internet access, balcony with pool view, 2 bathrooms');
INSERT INTO ROOMTYPE VALUES('Deluxe Room', 'King size bed, air conditioned, room service, mini fridge, internet access');
INSERT INTO ROOMTYPE VALUES('Suite', 'King size bed, air conditioned, room service, mini fridge, high-speed internet access, coffee machine, backyard access');
INSERT INTO ROOMTYPE VALUES('Room with a view', 'Single bed, air conditioned, room service, mini fridge, internet access, balcony with beach view');

```

→ SELECT * FROM ROOMTYPE;

ROOMTYPE	ROOMDESCRIPTION
Single Room	Single bed, air conditioned, room service, mini fridge, internet access
Double Room	2 single beds, air conditioned, room service, mini fridge, internet access
Triple Room	1 single bed, 1 double bed, air conditioned, room service, mini fridge, internet access
Quad Room	2 single beds, 1 large double bed, air conditioned, room service, mini fridge, internet access
Family Room	1 single bed, 1 double bed, air conditioned, room service, mini fridge, internet access, balcony with pool view, 2 bathrooms
Deluxe Room	King size bed, air conditioned, room service, mini fridge, internet access
Suite	King size bed, air conditioned, room service, mini fridge, high-speed internet access, coffee machine, backyard access
Room with a view	Single bed, air conditioned, room service, mini fridge, internet access, balcony with beach view

Table Bill

```

CREATE TABLE BILL(
    BILLNUM varchar2(4) NOT NULL,
    GUESTID varchar(14) NOT NULL,
    ROOMCHARGES number(6) NOT NULL,
    ROOMSERVICE number(6) NOT NULL,
    RESTAURANTCHARGES number(6) NOT NULL,
    BARCHARGES number(6),
    EXPIRYDATE date NOT NULL,
    CONSTRAINT BILLNUM PRIMARY KEY (BILLNUM),
    CONSTRAINT GUESTID_FK FOREIGN KEY (GUESTID) REFERENCES GUEST(GUESTID)
);

```

```

INSERT INTO BILL VALUES ('0001', '0271195927397M', '10000', '1000', '4000', '2000', TO_DATE ('03/01/2023', 'DD/MM/YYYY'));
INSERT INTO BILL VALUES ('0002', '0200988170520S', '6000', '3050', '3780', '2300', TO_DATE ('10/01/2023', 'DD/MM/YYYY'));
INSERT INTO BILL VALUES ('0003', '0051091676806P', '15000', '2500', '2895', '', TO_DATE ('25/01/2023', 'DD/MM/YYYY'));
INSERT INTO BILL VALUES ('0004', '0090192974707M', '24000', '1565', '3600', '5560', TO_DATE ('11/01/2023', 'DD/MM/YYYY'));
INSERT INTO BILL VALUES ('0005', '0171198582805D', '10000', '500', '2430', '2380', TO_DATE ('25/01/2023', 'DD/MM/YYYY'));
INSERT INTO BILL VALUES ('0006', '0180376519361L', '30000', '5000', '7800', '2340', TO_DATE ('17/01/2023', 'DD/MM/YYYY'));
INSERT INTO BILL VALUES ('0007', '0140889765480M', '15000', '2050', '3890', '', TO_DATE ('19/01/2023', 'DD/MM/YYYY'));

```

```

INSERT INTO BILL VALUES ('0008', '0171291564597L', '10000', '1500', '2570', '6000', TO_DATE ('19/01/2023', 'DD/MM/YYYY'));
INSERT INTO BILL VALUES ('0009', '0150186654321S', '38000', '7000', '1000', '15680', TO_DATE ('24/01/2023', 'DD/MM/YYYY'));
INSERT INTO BILL VALUES ('0010', '0091189776854P', '9000', '760', '4050', "", TO_DATE ('23/01/2023', 'DD/MM/YYYY'));
INSERT INTO BILL VALUES ('0011', '0050575086544M', '50000', '8000', '15000', '25000', TO_DATE ('17/01/2023', 'DD/MM/YYYY'));
INSERT INTO BILL VALUES ('0012', '0190890759379B', '12000', '3550', '5580', '3000', TO_DATE ('26/01/2023', 'DD/MM/YYYY'));
INSERT INTO BILL VALUES ('0013', '0170487752965F', '25000', '4555', '6740', "", TO_DATE ('22/07/2023', 'DD/MM/YYYY'));
INSERT INTO BILL VALUES ('0014', '0010195763963P', '13000', '2500', '3350', '3590', TO_DATE ('21/07/2023', 'DD/MM/YYYY'));
INSERT INTO BILL VALUES ('0015', '0020492653290L', '25000', '590', '6700', '4570', TO_DATE ('25/07/2023', 'DD/MM/YYYY'));

```

→ SELECT BILLNUM, GUESTID, ROOMCHARGES, ROOMSERVICE, RESTAURANTCHARGES, BARCHARGES, TO_CHAR(EXPIRYDATE, 'DD/MM/YYYY') AS EXPIRYDATE FROM BILL;

BILLNUM	GUESTID	ROOMCHARGES	ROOMSERVICE	RESTAURANTCHARGES	BARCHARGES	EXPIRYDATE
0001	0271195927397M	10000	1000	4000	2000	03/01/2023
0002	0200988170520S	6000	3050	3780	2300	10/01/2023
0003	0051091676806P	15000	2500	2895	-	25/01/2023
0004	0090192974707M	24000	1565	3600	5560	11/01/2023
0005	0171198582805D	10000	500	2430	2380	25/01/2023
0006	0180376519361L	30000	5000	7800	2340	17/01/2023
0007	0140889765480M	15000	2050	3890	-	19/01/2023
0008	0171291564597L	10000	1500	2570	6000	19/01/2023
0009	0150186654321S	38000	7000	1000	15680	24/01/2023
0010	0091189776854P	9000	760	4050	-	23/01/2023
0011	0050575086544M	50000	8000	15000	25000	17/01/2023
0012	0190890759379B	12000	3550	5580	3000	26/01/2023
0013	0170487752965F	25000	4555	6740	-	22/07/2023
0014	0010195763963P	13000	2500	3350	3590	21/07/2023
0015	0020492653290L	25000	590	6700	4570	25/07/2023

→ SELECT ROOMSERVICE, ROOMSERVICE * 1.50 FROM BILL;

ROOMSERVICE	ROOMSERVICE*1.50
1000	1500
3050	4575
2500	3750
1565	2347.5
500	750
5000	7500
2050	3075
1500	2250
7000	10500
760	1140
8000	12000
3550	5325
4555	6832.5
2500	3750
590	885

```
→ SELECT ROOMCHARGES, RESTAURANTCHARGES, BARCHARGES FROM BILL
WHERE ROOMCHARGES BETWEEN 5000 AND 15000;
```

ROOMCHARGES	RESTAURANTCHARGES	BARCHARGES
10000	4000	2000
6000	3780	2300
15000	2895	-
10000	2430	2380
15000	3890	-
10000	2570	6000
9000	4050	-
12000	5580	3000
13000	3350	3590

Table Invoice

```
CREATE TABLE INVOICE(
BILLNUM varchar2(4) NOT NULL,
GUESTID varchar(14) NOT NULL,
PAYMENTID varchar(5) NOT NULL,
CONSTRAINT BILLNUM_FK FOREIGN KEY (BILLNUM) REFERENCES BILL(BILLNUM),
CONSTRAINT GUESTID_BFK FOREIGN KEY (GUESTID) REFERENCES GUEST(GUESTID),
CONSTRAINT PAYMENT_FK FOREIGN KEY (PAYMENTID) REFERENCES TRANSACTIONMODE(PAYMENTID)
);
```

```
INSERT INTO INVOICE VALUES ('0001', '0271195927397M', 'CC846');
INSERT INTO INVOICE VALUES ('0002', '0200988170520S', 'CA920');
INSERT INTO INVOICE VALUES ('0003', '0051091676806P', 'CC492');
INSERT INTO INVOICE VALUES ('0004', '0090192974707M', 'DC937');
INSERT INTO INVOICE VALUES ('0005', '0171198582805D', 'CA648');
INSERT INTO INVOICE VALUES ('0006', '0180376519361L', 'CC274');
INSERT INTO INVOICE VALUES ('0007', '0140889765480M', 'DC765');
INSERT INTO INVOICE VALUES ('0008', '0171291564597L', 'DC765');
INSERT INTO INVOICE VALUES ('0009', '0150186654321S', 'CA903');
INSERT INTO INVOICE VALUES ('0010', '0091189776854P', 'DC153');
INSERT INTO INVOICE VALUES ('0011', '0050575086544M', 'CA827');
INSERT INTO INVOICE VALUES ('0012', '0190890759379B', 'CC689');
INSERT INTO INVOICE VALUES ('0013', '0170487752965F', 'CC892');
INSERT INTO INVOICE VALUES ('0014', '0010195763963P', 'CA273');
INSERT INTO INVOICE VALUES ('0015', '0020492653290L', 'DC273');
```

→ SELECT * FROM INVOICE;

BILLNUM	GUESTID	PAYMENTID
0001	0271195927397M	CC846
0002	0200988170520S	CA920
0003	0051091676806P	CC492
0004	0090192974707M	DC937
0005	0171198582805D	CA648
0006	0180376519361L	CC274
0007	0140889765480M	DC765
0008	0171291564597L	DC765
0009	0150186654321S	CA903
0010	0091189776854P	DC153
0011	0050575086544M	CA827
0012	0190890759379B	CC689
0013	0170487752965F	CC892
0014	0010195763963P	CA273
0015	0020492653290L	DC273

Table TransactionMode

```
CREATE TABLE TRANSACTIONMODE(
    PAYMENTID varchar(5) NOT NULL,
    PAYMENTMODE varchar(30) NOT NULL,
    PAYMENTDATE date NOT NULL,
    PAYMENTTIME date NOT NULL,
    CONSTRAINT PAYMENTID PRIMARY KEY (PAYMENTID)
);
```

```
INSERT INTO TRANSACTIONMODE VALUES ('CC846', 'Credit card', TO_DATE('03/07/2022', 'DD/MM/YYYY'), TO_DATE('3:00 PM', 'HH:MI AM'));
INSERT INTO TRANSACTIONMODE VALUES ('CA920', 'Cash', TO_DATE('10/07/2022', 'DD/MM/YYYY'), TO_DATE('2:30 PM', 'HH:MI AM'));
INSERT INTO TRANSACTIONMODE VALUES ('CC492', 'Credit card', TO_DATE('25/07/2022', 'DD/MM/YYYY'), TO_DATE('1:00 PM', 'HH:MI AM'));
INSERT INTO TRANSACTIONMODE VALUES ('DC937', 'Debit Card, Cash', TO_DATE('11/07/2022', 'DD/MM/YYYY'), TO_DATE('3:00 PM', 'HH:MI AM'));
INSERT INTO TRANSACTIONMODE VALUES ('CA648', 'Cash', TO_DATE('25/07/2022', 'DD/MM/YYYY'), TO_DATE('2:45 PM', 'HH:MI AM'));
INSERT INTO TRANSACTIONMODE VALUES ('CC274', 'Credit card', TO_DATE('17/07/2022', 'DD/MM/YYYY'), TO_DATE('2:15 PM', 'HH:MI AM'));
INSERT INTO TRANSACTIONMODE VALUES ('CC683', 'Credit card, Cash', TO_DATE('19/07/2022', 'DD/MM/YYYY'), TO_DATE('2:38 PM', 'HH:MI AM'));
INSERT INTO TRANSACTIONMODE VALUES ('DC765', 'Debit Card', TO_DATE('19/07/2022', 'DD/MM/YYYY'), TO_DATE('2:54PM', 'HH:MI AM'));
INSERT INTO TRANSACTIONMODE VALUES ('CA903', 'Cash', TO_DATE('24/07/2022', 'DD/MM/YYYY'), TO_DATE('3:00 PM', 'HH:MI AM'));
INSERT INTO TRANSACTIONMODE VALUES ('DC153', 'Debit Card, Credit Card', TO_DATE('23/07/2022', 'DD/MM/YYYY'), TO_DATE('1:55 PM', 'HH:MI AM'));
INSERT INTO TRANSACTIONMODE VALUES ('CA827', 'Cash, Credit Card', TO_DATE('17/07/2022', 'DD/MM/YYYY'), TO_DATE('2:49 PM', 'HH:MI AM'));
INSERT INTO TRANSACTIONMODE VALUES ('CC689', 'Credit card ', TO_DATE('26/07/2022', 'DD/MM/YYYY'), TO_DATE('2:00 PM', 'HH:MI AM'));
```

```
INSERT INTO TRANSACTIONMODE VALUES ('CC892', 'Credit card ', TO_DATE('22/07/2022', 'DD/MM/YYYY'), TO_DATE('3:00 PM', 'HH:MI AM'));
```

```
INSERT INTO TRANSACTIONMODE VALUES ('CA273', 'Cash, Credit Card', TO_DATE('21/07/2022', 'DD/MM/YYYY'), TO_DATE('2:10 PM', 'HH:MI AM'));
```

```
INSERT INTO TRANSACTIONMODE VALUES ('DC273', 'Debit card ', TO_DATE('25/07/2022', 'DD/MM/YYYY'), TO_DATE('2:28 PM', 'HH:MI AM'));
```

→ SELECT PAYMENTID, PAYMENTMODE, TO_CHAR(PAYMENTDATE, 'DD/MM/YYYY') AS PAYMENTDATE, TO_CHAR(PAYMENTTIME, 'HH:MI AM') AS PAYMENTTIME FROM TRANSACTIONMODE;

PAYMENTID	PAYMENTMODE	PAYMENTDATE	PAYMENTTIME
CC846	Credit card	03/07/2022	03:00 PM
CA920	Cash	10/07/2022	02:30 PM
CC492	Credit card	25/07/2022	01:00 PM
DC937	Debit Card, Cash	11/07/2022	03:00 PM
CA648	Cash	25/07/2022	02:45 PM
CC274	Credit card	17/07/2022	02:15 PM
CC683	Credit card, Cash	19/07/2022	02:38 PM
DC765	Debit Card	19/07/2022	02:54 PM
CA903	Cash	24/07/2022	03:00 PM
DC153	Debit Card, Credit Card	23/07/2022	01:55 PM
CA827	Cash, Credit Card	17/07/2022	02:49 PM
CC689	Credit card	26/07/2022	02:00 PM
CC892	Credit card	22/07/2022	03:00 PM
CA273	Cash, Credit Card	21/07/2022	02:10 PM
DC273	Debit card	25/07/2022	02:28 PM

→ SELECT PAYMENTID, PAYMENTMODE FROM TRANSACTIONMODE ORDER BY PAYMENTID;

PAYMENTID	PAYMENTMODE
CA273	Cash, Credit Card
CA648	Cash
CA827	Cash, Credit Card
CA903	Cash
CA920	Cash
CC274	Credit card
CC492	Credit card
CC683	Credit card, Cash
CC689	Credit card
CC846	Credit card
CC892	Credit card
DC153	Debit Card, Credit Card
DC273	Debit card
DC765	Debit Card
DC937	Debit Card, Cash

Table EmployeeRole

```
CREATE TABLE EMPLOYEEROLE(
```

```
ROLEID varchar(5) NOT NULL,
```

```
ROLETITLE varchar(30) NOT NULL,
```

```
ROLEDESCRIPTION varchar(200) NOT NULL,
```

```
CONSTRAINT ROLEID PRIMARY KEY (ROLEID)
```

```
);
```

```
INSERT INTO EMPLOYEEROLE VALUES ('B001B', 'Bartender', 'Prepare and serve drinks to guests');
```

```
INSERT INTO EMPLOYEEROLE VALUES ('B101B', 'Bell Boy', 'Carry guests bags to their room');
```

```
INSERT INTO EMPLOYEEROLE VALUES ('B110M', 'Bar Manager', 'Manage bar supplies and manage staff member');
```

```
INSERT INTO EMPLOYEEROLE VALUES ('C001C', 'Executive Chef', 'Prepare dishes and manage kitchen staff');
```

```
INSERT INTO EMPLOYEEROLE VALUES ('C111C', 'Chef', 'Set up menu and prepare high quality dishes');
```

```
INSERT INTO EMPLOYEEROLE VALUES ('D111W', 'Dishwasher', 'Ensure dining equipment are clean and prepared for guest');
```

```
INSERT INTO EMPLOYEEROLE VALUES ('G002M', 'General Manager', 'Improve and increase departmental profits');
```

```
INSERT INTO EMPLOYEEROLE VALUES ('H001M', 'Human Resource Manager', 'Supervise the hotel hiring process');
```

```
INSERT INTO EMPLOYEEROLE VALUES ('H007E', 'Hotel Engineer', 'Troubleshoot and repair hotel equipment');
```

```
INSERT INTO EMPLOYEEROLE VALUES ('H010A', 'Accountant', 'Makes critical financial decisions and manage hotel finances');
```

```
INSERT INTO EMPLOYEEROLE VALUES ('H010R', 'Housekeeping', 'Ensure hotel rooms are cleaned');
```

```
INSERT INTO EMPLOYEEROLE VALUES ('M100S', 'Maintenance Staff', 'Inspect and repair various hotel infrastructure');
```

```
INSERT INTO EMPLOYEEROLE VALUES ('R005T', 'Receptionist', 'Welcoming guest, check booking details');
```

→ SELECT * FROM EMPLOYEEROLE;

ROLEID	ROLETITLE	ROLEDESCRIPTION
B110M	Bar Manager	Manage bar supplies and manage staff member
C001C	Executive Chef	Prepare dishes and manage kitchen staff
C111C	Chef	Set up menu and prepare high quality dishes
B001B	Bartender	Prepare and serve drinks to guests
B101B	Bell Boy	Carry guests bags to their room
D111W	Dishwasher	Ensure dining equipment are clean and prepared for guest
G002M	General Manager	Improve and increase departmental profits
H001M	Human Resource Manager	Supervise the hotel hiring process
H007E	Hotel Engineer	Troubleshoot and repair hotel equipment
H010A	Accountant	Makes critical financial decisions and manage hotel finances
H010R	Housekeeping	Ensure hotel rooms are cleaned
M100S	Maintenance Staff	Inspect and repair various hotel infrastructure
R005T	Receptionist	Welcoming guest, check booking details

Delete Table

```
DROP TABLE EMPLOYEE;
```

```
DROP TABLE EMPLOYEEROLE;  
DROP TABLE TRANSACTIONMODE;
```

Results Explain Describe Saved SQL Histor

Table dropped.

0.01 seconds

```
DROP TABLE EMPLOYEE;
```

```
DROP TABLE EMPLOYEEROLE;  
DROP TABLE TRANSACTIONMODE;
```

Results Explain Describe Saved SQL Histor

Table dropped.

0.01 seconds