

room

Room ID	Room Type	Room Description	Room Rates	Room Availability	Room Amenities
100	Single	A small bedroom, one queen-size bed.	100	TRUE	TV, Wi-Fi, coffee maker
200	Twin	A small bedroom, two twin beds.	100	TRUE	TV, Wi-Fi, coffee maker
300	Double	A medium bedroom, two queen-size beds.	150	TRUE	TV, Wi-Fi, coffee maker
400	Family	A large bedroom, two bedrooms, and a sleeper sofa.	200	TRUE	TV, Wi-Fi, coffee maker, microwave, refrigerator, dining table, children's bed
500	Suite	A large, two-bedroom room with a king-size bed a living area, and a kitchenette.	300	TRUE	TV, Wi-Fi, coffee maker, microwave, refrigerator
600	Deluxe	The one of luxurious room in the hotel.	400	TRUE	TV, Wi-Fi, coffee maker, microwave, refrigerator, jacuzzi, sauna
700	Presidential	The largest and most luxurious room in the hotel. Separate bedroom, living area, kitchenette, private balcony patio	500	TRUE	TV, Wi-Fi, coffee maker, microwave, refrigerator, jacuzzi, sauna, fireplace, wet bar
800	Accessible	A room that is designed for guests with disabilities.	250	TRUE	TV, Wi-Fi, coffee maker, accessible shower, grab bars, wheelchair accessible

guest

guest id	guest fullname	guest mobile	guest email	guest city	guest country	guest emergency	payment id	room id
2001	Sujal Ratna Tuladhar	984078945	sujalrt	Amsterdam	Netherlands	01010,10101	101	700
2002	Bikrant Shilpakar	984989335	bikrants	New York	United States	02020,20202	102	600
2003	Mamata Shrestha	984169234	mamatas	Paris	France	03030,30303	103	400
2004	Sujen Dangol	984243472	sujend	Rome	Italy	04040,40404	104	600
2005	Anjan Thapa	989599346	anjant	London	England	05050,50505	105	500
2006	Prajwol Dahal Khatri	984646128	prajwoliD	Berlin	Germany	06060,60606	106	400
2007	Bishal Regmi	984949495	bishalr	Lisbon	Portugal	07070,70707	1007	100
2008	Pragyan Tamakhu	984090655	pragyant	Stockholm	Sweden	08080,80808	108	500
2009	Rijan Khayju	984504094	rijank	Barcelona	Spain	09090,90909	109	500
2010	Sushan Aryal	986652105	sushana	Tokyo	Japan	10101,01010	110	400
2011	Kabin Shrestha	986650153	kabins	Buenos Aries	Argentina	11111,11111	111	400
2012	Shreemon Maharjan	986094066	shreemonm	Sydney	Australia	12121,21212	112	400
2013	Srijan Rijal	986099588	srijanr	Ottawa	Canada	13131,31313	113	300

restaurant

sustenance id	sustenance name	sustenance quantity	sustenance price	sustenance tax	sustenance total	sustenance discount	sustenance Description	guest id
1	Pizza	1	15	2.25	17.25	0	Italian dish made with dough, tomato sauce, cheese.	2002
2	Hamburger	2	10	1.5	21.5	0	American dish made with ground beef, bread, cheese.	2010
3	Tacos	2	10	1.5	21.5	0	Mexican dish made with tortillas, meat, toppings.	2003
4	Sushi	6	15	2.25	17.25	0	Japanese dish made with rice, fish, vegetables.	2011
5	Pad Thai	1	12	1.8	13.8	0	Thai Dish; made with rice noodles, shrimp, and eggs	2009
6	Pho	1	5	2.25	7.25	0	Vietnamese Dish; made with rice noodles, beef, and spices	2008
7	Curry	1	12	1.8	13.8	0	Indian Dish; made with a variety of spices and vegetables	2007
8	Dim sum	1	5	2.25	7.25	0	Cantonese dish made with small steamed dishes	2012
9	Hotpot	1	10	1.5	11.5	0	Korean Dish; a dish with a lot of meat and vegetable	2006
10	Steak	1	20	3	23	0	A dish of grilled beef	2001
11	Ice cream	2	5	0.75	5.75	0	frozen dessert made from milk and cream	2006
12	Cake	1	8	1.5	9.5	0	sweet dessert made with flour, eggs, sugar, and butter	2001
13	Pie	1	4	1.8	5.8	0	dessert made with a pastry crust and a filling, such as fruit or custard	2013
14	Chocolate mousse	1	1.5	2.25	3.75	0	dessert made with chocolate, cream, and eggs	2001
15	Cheese cake	1	12	1.8	13.8	0	dessert made with cream cheese, eggs, and sugar	2004
16	Water	5	0.75	0.20	0.95	0	Fresh hygienic mineral water	2001
17	Alcohol	1	5	0.5	5.5	0	Hard diluted with ice	2005
18	Wine	1	3	0.8	3.8	0	White red	2002
19	Beer	3	2	1.5	3.5	0	Many beer	2004
20	Soft Drinks	1	1	0.25	1.25	0	Coke fanta sprite tonic water	2001

Reservation

Reservation ID	Check In	Check Out	Status ID	Reservation Start	Reservation End	Reservation Status	Guest ID	Staff ID
1	11:32:41	06:09:23	1	2022-08-01	2022-08-05	Completed	2007	18
2	08:56:23	12:25:30	1	2022-08-05	2022-08-14	Completed	2003	10
3	12:08:32	16:14:52	1	2022-09-10	2022-09-15	Completed	2013	10
4	NULL	NULL	2	2022-10-15	2022-10-20	Cancelled	2005	2
5	NULL	NULL	2	2022-12-19	2022-12-26	Cancelled	2006	10
6	06:34:52	23:19:34	1	2023-01-01	2023-01-05	Completed	2001	11
7	19:56:48	05:36:25	1	2023-01-15	2023-01-20	Completed	2004	2
8	16:59:34	11:05:09	1	2023-02-27	2023-02-29	Completed	2010	10
9	NULL	NULL	2	2023-07-20	2023-07-29	Cancelled	2011	10
10	09:12:45	13:05:32	1	2023-07-25	2023-08-01	Completed	2001	1
11	02:52:30	11:30:18	1	2023-08-01	2023-08-09	Completed	2008	2
12	NULL	NULL	2	2022-08-08	2022-08-09	Cancelled	2012	18
13	NULL	NULL	0	2022-09-06	2022-09-19	Cancelled	2009	10
14	NULL	NULL	0	2023-09-20	2023-10-04	Pending	2001	11
15	NULL	NULL	0	2023-10-07	2023-10-19	Pending	2002	2
16	NULL	NULL	0	2023-10-21	2023-11-04	Cancelled	2001	1

Inventory

Inventory id	facilities equipment	service id	Inventory type
1	Towel	1	Bath
2	Shampoo	1	Bath
3	Conditioner	1	Bath
4	Toothbrush	1	Bath
5	Toothpaste	1	Bath
6	Bed	2	Sleep
7	Sheets	2	Sleep
8	Pillow	2	Sleep
9	Blanket	2	Sleep
10	Coffee Maker	3	Electronic
11	TV	3	Electronic
12	Microwave	3	Electronic
13	Refrigerator	3	Electronic
14	Hair Dryer	3	Electronic
15			

Staff/employee

staff_id	Staff_fullname	staff_job	quick_dial	staff_salary	room_id	reservation_id
1	Jhonny Smith	Manager	0	40000	700	10, 16
2	Jane Watson	Receptionist	1	30000	600, 500	4, 7, 11, 15
3	Susan Smith	Housekeeping	3	20000	NULL	NULL
4	Daisy Jones	Chef	2	25000	700	NULL
5	Mark Williams	Housekeeping	3	20000	NULL	NULL
6	Emily Brown	Maintenance	3	35000	NULL	NULL
7	Roy Green	Clerk	1	15000	700	NULL
8	Peter White	Waiter	2	20000	NULL	NULL
9	Kevin Gomez	Waiter	2	20000	NULL	NULL
10	Harry Tucker	Receptionist	1	30000	300, 400	2, 3, 5, 8, 9, 13
11	Erik Hernandez	Manager	0	40000	700	6, 14
12	Sofia Garcia	Housekeeping	3	20000	NULL	NULL
13	Pedro Martinez	Waiter	2	20000	700	NULL
14	Anna Rodriguez	Spa	5	20000	700, 600, 500	NULL
15	Carlos Lopez	Gym	6	20000	NULL	NULL
16	Isabella Wilson	Childcare	4	20000	NULL	NULL
17	Diego Cruz	Clerk	1	15000	NULL	NULL
18	Valentine Perez	Receptionist	1	30000	800, 100, 200	1, 12
19	Gabriela Sanchez	Housekeeping	3	20000	NULL	NULL
20	Juleus Alvarez	Guard	9	25000	NULL	NULL
21	Raphael John	Guard	9	25000	NULL	NULL
22	Kim Park	Guard	9	25000	700	NULL

Facilities

service_id	services_offered	speed_dial
1	Housekeeping	3
2	Room Service	3
3	Laundry Service	3
4	Fitness Center	6
5	Spa	5
6	Parking	1
7	Child Care	4
8	Pool	9
9	Tour	1

Payment

payment_id	payment_type	payment_amount	guest_id	reservation_id
101	Cash	3500	2001	6, 10, 14. 16
102	Cash	400	2002	15
103	Credit Card	200	2003	2
104	Cheque	400	2004	7
105	Online	300	2005	4
106	Lottery	200	2006	5
107	Cash	100	2007	1
108	Credit Card	300	2008	11
109	Debit Card	300	2009	13
110	Pre-Paid	200	2010	8
111	Online	200	2011	9
112	Pre-Paid	200	2012	12
113	Cash	150	2013	3

Cancelation

cancellation_id	reservation_start	cancellation_reason	cancellation_policy	cancellation_description	guest_id	reservation_id
1	2022-08-08	No show	Non refundable	didn't show up	2012	12
2	2022-07-20	Change of plan	Full refund up to 7 days before check in	Change travel plans	2011	9
3	2022-09-06	Medical emergency	Full refund up to 24 hours before check in	Medical accident	2009	13
4	2022-12-19	Property damage	No refund	Damaged to hotel property	2006	5
5	NULL	Death	Full refund up to 48 hours before check in	Death in family or relatives	NULL	NULL
6	2022-10-15	Work emergency	Full refund up to 3 hours before check in	Job related issue	2005	4
7	2023-10-21	Weather related	Full refund up to 4 days before check in	Hotel was closed down	2001	16

Schema Logical Model

Room	DataType
<u>RoomID</u>	SMALLINT
Type	CHAR
Description	VARCHAR
Rates	SMALLINT
Availability	BOOLEAN
Amenties	VARCHAR
reservation_id	SMALLINT

Guest	DataType
<u>GuestID</u>	SMALLINT
FullName	CHAR
Mobile	BIGINT
Email	CHAR
City	CHAR
Country	CHAR
Emergency	VARCHAR
payment_id	SMALLINT
room_id	SMALLINT

Staff	DataType
StaffID	INT
FullName	CHAR
Job	CHAR
QuickDial	TINYINT
Salary	INT
roomID	VARCHAR
reservationID	VARCHAR

Reservation	DataType
ReservationID	TINYINT
CheckIN	TIME
CheckOUT	TIME
Cancel	INT
Start	DATE
End	DATE
Status	CHAR
StatusID	SMALLINT
GuestID	SMALLINT
staffID	SMALLINT

Inventory	DataType
ItemID	CHAR
Equipments	CHAR
Type	CHAR
serviceid	SMALLINT

Facilites	DataType
ServiceID	TINYINT
Offered	CHAR
SpeedDial	TINYINT

Cancellation	Datatype
Id	CHAR
Reservation_start	DATE
Reason	VARCHAR
Policy	VARCHAR
Description	VARCHAR
Reservation id	SMALLINT
guestId	SMALLINT

Restaurant	DataType
sustenanceID	SMALLINT
Name	CHAR
Quantity	SMALLINT
Price	INT
Tax	SMALLINT
Total	INT
Description	VARCHAR
discount	TINYINT
Guest id	SMALLINT

Payment	DataType
PaymentID	TINYINT
Type	CHAR
Amount	INT
guestid	SMALLINT
reservationid	VARCHAR

Cancellation	DataType
CancellationID	TINYINT
Date	DATE
Reason	VARCHAR
Policy	CHAR
Description	VARCHAR