



#### Project idea:

A hotel is a place where there will be numerous operations taking place. It will be very difficult to maintain all different parts of the hotel management system through the use of pen and paper which will be useful in maintaining the details regarding it. But in this case there is no security provided to the data. At this situation, the hotel management system database project can be used which helps in maintaining all information in one stretch.





O2 Search Rooms

O3 Add Payment

04 Manage Customer(Add , Update Guest)

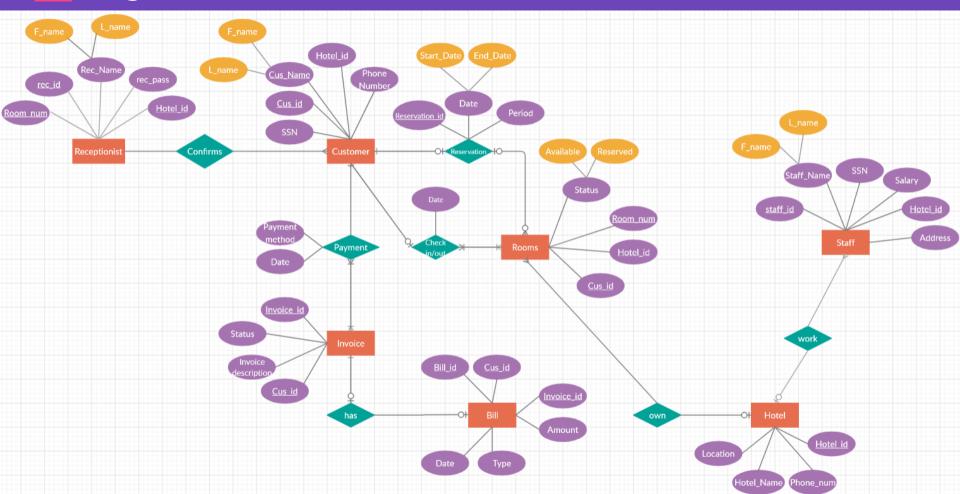
O5 Manage Rooms Details (Add , Update, Delete)

O6 Manage Staff (Add , Update, Delete, View) 07 Customer Feedback

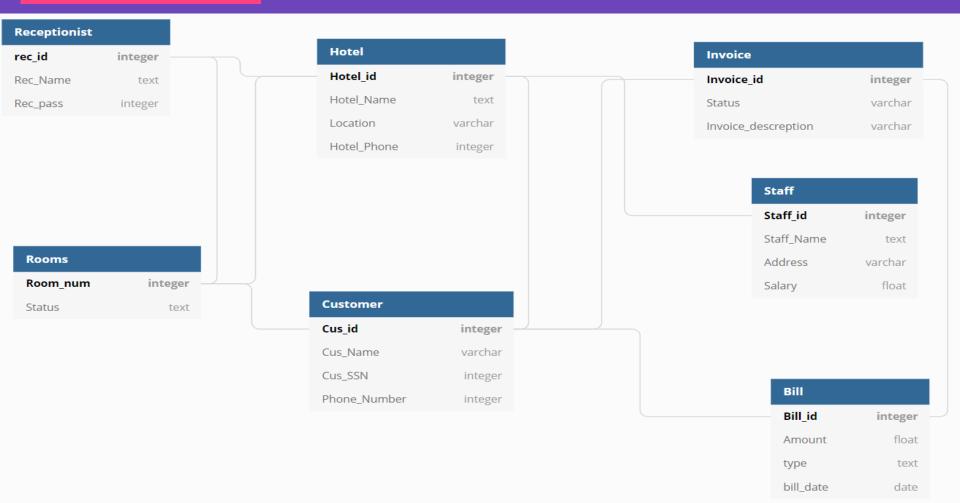
Retrieve Report (Staff payment, Income)

09 Payment type

#### ER Diagram...



#### **Relation Schema:**



## Database SQL tables:

4	rec_id [PK] integer	rec_name text	rec_pass integer	hotel_id integer	room_num integer
1	1	ibrahim	1111	1	201
2	2	asma	2222	2	304
3	3	arwa	2233	3	102
4	4	shahd	4422	1	203
5	5	mazen	5555	3	101

4	cus_id [PK] integer	cus_name text	cus_ssn integer	cus_phone integer	ID integer
1	1	ahmad	12345	5554	1
2	2	rawan	12233	5434	1
3	3	yuseff	11233	4431	3
4	4	khaled	22333	5533	2
5	5	yasser	54332	4351	3

4	room_num [PK] integer	state text	cus_id integer	hotel_id integer	•
1	201	available	[null]		1
2	101	reserved	5	;	3
3	102	available	[null]	;	3
4	304	reserved	4	:	2
5	203	reserved	2		1

## Database SQL tables:

4	invoice_id [PK] integer	cus_id integer	invoice_description text	state text
1	1	1	room charge	accepted
2	2	5	lux tax	rejected
3	3	3	service tax	accepted
4	4	5	service charge	accepted
5	5	2	advance payment	accepted

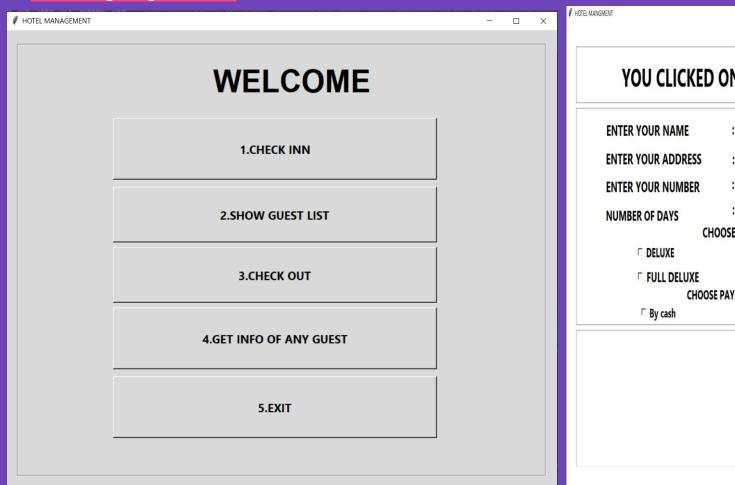
4	bill_id [PK] integer	amount money	type text	date date	invoice_id integer	cus_id integer
1	1	ر.س. 500.00	cash	2020-04	4	5
2	2	ر.س. 250.00	credit c	2020-01	3	3
3	3	ر.س. 300.00	cash	2019-12	2	5
4	4	ر.س. 300.00	credit c	2020-02	1	1
5	5	ر.س. 500.00	credit c	2019-12	4	2

# Database SQL tables:

4	staff_id [PK] integer	staff_name text	staff_ssn integer	salary money	hotel_id integer	address text
1	1	fahad	1233	2,000.00	3	jeddah
2	2	razan	7899	5,000.00	1	qassim
3	3	aisha	9779	5,000.00	1	qassim
4	4	aminh	1996	4,000.00	2	riyad
5	5	majed	1778	10,000.00	1	qassim

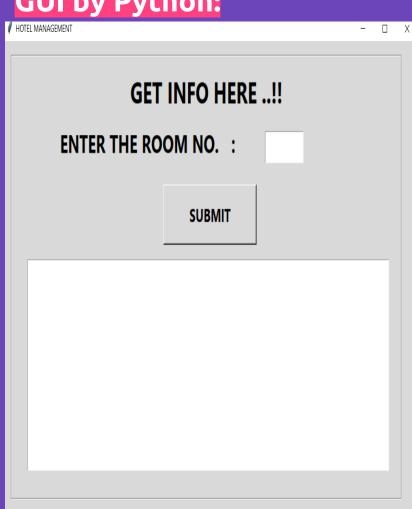
4	ID [PK] integer	hotel_name text	hotel_phone integer	location text
1	1	paradise	5531	qassim
2	2	paradise	5531	qassim
3	3	happinese	5112	riyad
4	4	happiness	5112	riyad
5	5	magic	5441	jeddah

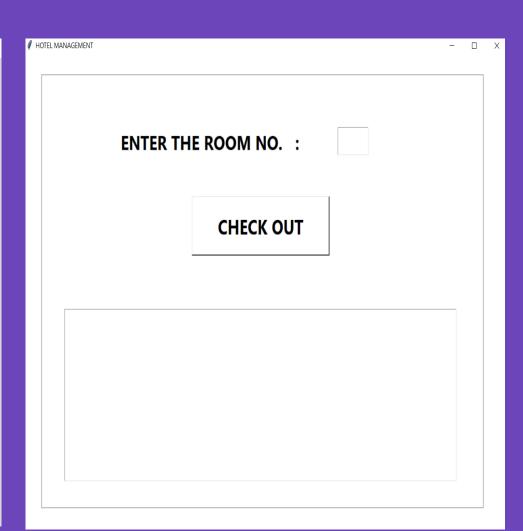
#### **GUI by Python:**



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#### **GUI by Python:**





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