

DBMS LAB ASSIGNMENT

DATABASE ENTITY RELATION DIAGRAM

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TOPIC : HOTEL DATABASE ENTITY RELATION DIAGRAM

Group Number : 2

E.R DIAGRAM :

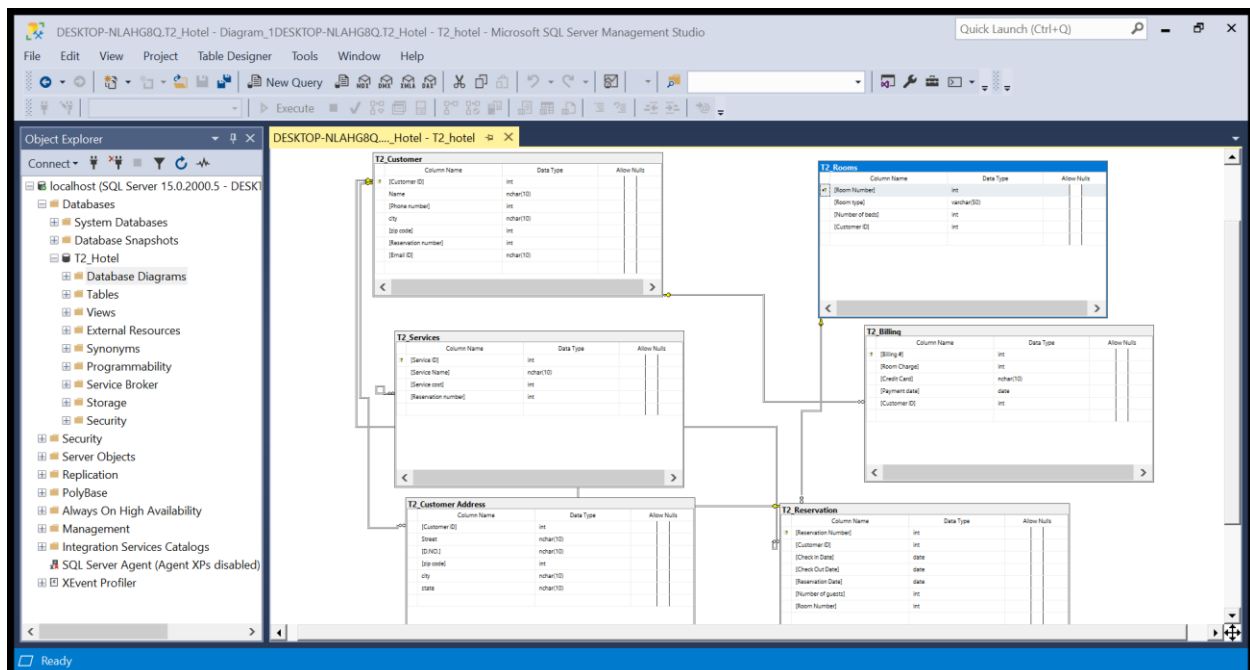


Table Name	Primary key	Foreign key
T2_Rooms	Room number	Customer ID
T2_Customer	Customer ID	Reservation number
T2_Reservation	Reservation number	Room number, Customer ID
T2_Services	Service ID	Reservation

		number
T2_Billing	Billing #	Customer ID
T2_Customer Address	Customer ID	Customer ID

Q) What is a strong Entity ?

A **strong entity** set is an **entity** that contains sufficient attributes to uniquely identify all its **entities**. Simply **strong entity** is nothing but an **entity** set having a primary key attribute or a table which consists of a primary key column

Q)What is a weak entity?

In a relational **database**, a **weak entity** is an **entity** that cannot be uniquely identified by its attributes alone; therefore, it must use a foreign key in conjunction with its attributes to create a primary key. The foreign key is typically a primary key of an **entity** it is related to.

Weak entity in our ER model

In our ER diagram every table has a primary key and can be uniquely identified by its own attributes. So we have no weak entity in our ER diagram.