

# DBMS LAB ASSIGNMENT

## ER DIAGRAM

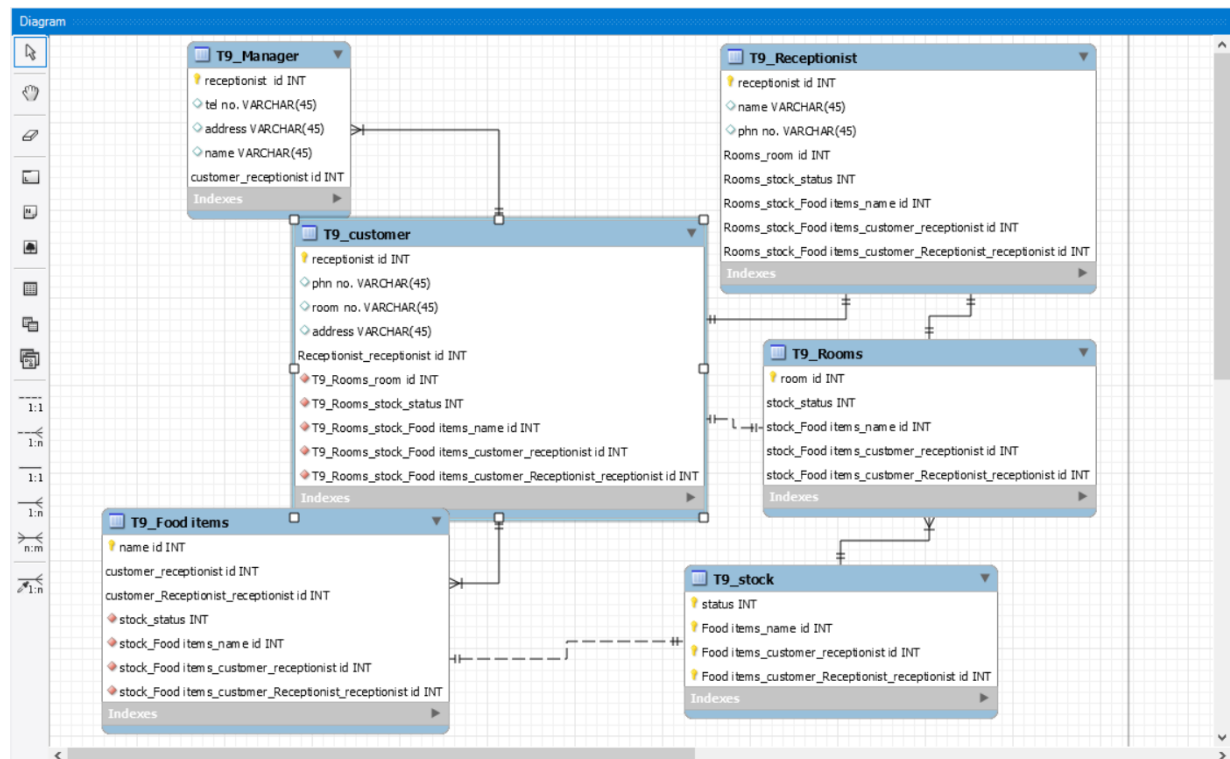
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TOPIC: HOTEL DATABASE ER DIAGRAM.

GROUP NO. 9.

ER DIAGRAM:



## RELATIONSHIPS:

MANAGER - CUSTOMER: Feedback.  
RECEPTIONIST - CUSTOMER : Generator bill.  
RECEPTIONIST - ROOMS : Booking.  
ROOMS - CUSTOMER : Booking.(Online)  
FOOD ITEMS - CUSTOMER : Order.  
STOCK - FOOD ITEMS: Checking.  
STOCK - ROOMS : Checks availability.

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.**

Here Stock is the weak entity, because Stock does not have any primary key to identify itself. It is completely dependent on the Food items entity. And also stock has attributes which cannot identify it as unique.