

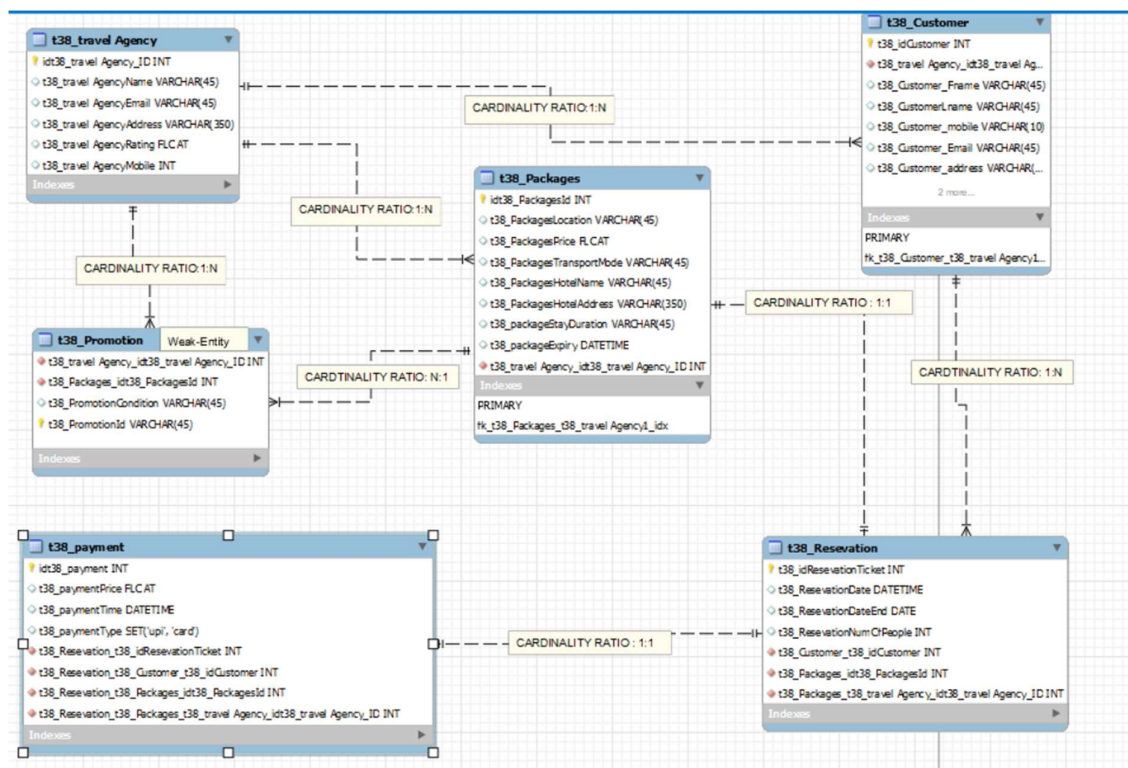
LAB ASSIGNMENT -1

ENTITIES:

1. Travel Agency: Agency-ID (pk), AgencyName, AgencyMail, AgencyMobile, AgencyRating, AgencyAddress.
2. Customer: Customer-ID (pk), Agency-ID (fk), CustomerName(fname+lname), CustomerEmail, CustomerMobile, CustomerAddress(street+city+state+country), CustomerGender.
3. Packages: Package-ID (pk), Agency-ID (fk), Location, HotelName, HotelLocation, StayDuration, PackageExpiry.
4. Reservation: Reservation-ID (pk), Agency-ID (fk), Customer-ID (fk), Package-ID (fk), No of people, ReservationDate, ReservationEnd.
5. Payment: Payment-ID (pk), Agency-ID (fk), Customer-ID (fk), Reservation-ID (fk), Package-ID (fk), PaymentAmount, PaymentType, PaymentTime.
6. Promotions: Promotion-ID (pk), Agency-ID (fk), Package-ID (fk), Promotion-condition.

→ Among the above entities Promotions is the Weak entity.

ERD DIAGRAM:



ENTITY RELATIONS:

Entity 1	Entity 2	Relation
Agency	Customer	One to many
Agency	Packages	One to many
Agency	Promotions	One to many
Customer	Reservation	One to many
Reservation	Package	Many to One
Packages	Promotions	One to many
Reservation	Payment	ONE TO ONE

CADINALITY RATIO:

Entity 1	Entity 2	Relation
Agency	Customer	1: N
Agency	Packages	1: N
Agency	Promotions	1: N
Customer	Reservation	1: N
Packages	Reservation	1: N
Packages	Promotions	1: N
Reservation	packages	N: 1
Reservation	Payment	1: 1