

### **Phase 3 for Travel Management System**

Modifications done as per suggestions to Phase 2 of EER Diagram

- ➔ 'AdPayment' name was miss-understood as an attribute so changed it to 'Advance\_Payment'.
- ➔ 'FromDate' and 'ToDate' was ambiguous name for two attributes, changed their names to more specific name as 'Travel\_FromDate' and 'Travel\_ToDate'. Also, the same for active car insurance dates in 'Car' entity.
- ➔ 'Total\_Cost' has been added to the ternary relation, 'plan' between 'Customer', 'Employee' and 'Trip\_Details'.

Conventions used for Phase 3 of Relation Mapping for Travel Management System.

- ➔ Foreign keys are marked with wave underlines and Green text colour.
- ➔ Primary keys are marked with simple underlines and Red text colour.

CUSTOMER

<u>Cust_ID</u>	Name	Email_ID	Cust_Type	DOB	Gender	Street_Name	State	ZipCode
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CUSTOMER\_PHONE

<u>Cust_ID</u>	<u>Phone_No</u>
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EMPLOYEE

<u>Emp_ID</u>	Name	DOB	Gender	Salary
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TRIP\_DETAILS

<u>PNR</u>	Trip_Name	<u>Cust_ID</u>	<u>Emp_ID</u>	<u>Flight_No</u>	<u>Hotel_ID</u>	<u>VIN</u>	Commission
Travel_FromDate	Travel_ToDate	Destination	Invoice_Date	Total_Cost	Advance_Payment		
GSO	Itinerary_ID						

CAR

<u>VIN</u>	Brand	Model	PerMile_Cost	Ins_FromDate	Ins_ToDate	BasePrice	Car_Cost
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HOTEL

<u>Hotel_ID</u>	Name	City	Commission	Tariff	Hotel_Cost
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AIRLINE

<u>Flight_No</u>	Dept_City	Arr_City	Conv_Fee	Fuel_Charge	Fare	Airline_Cost
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