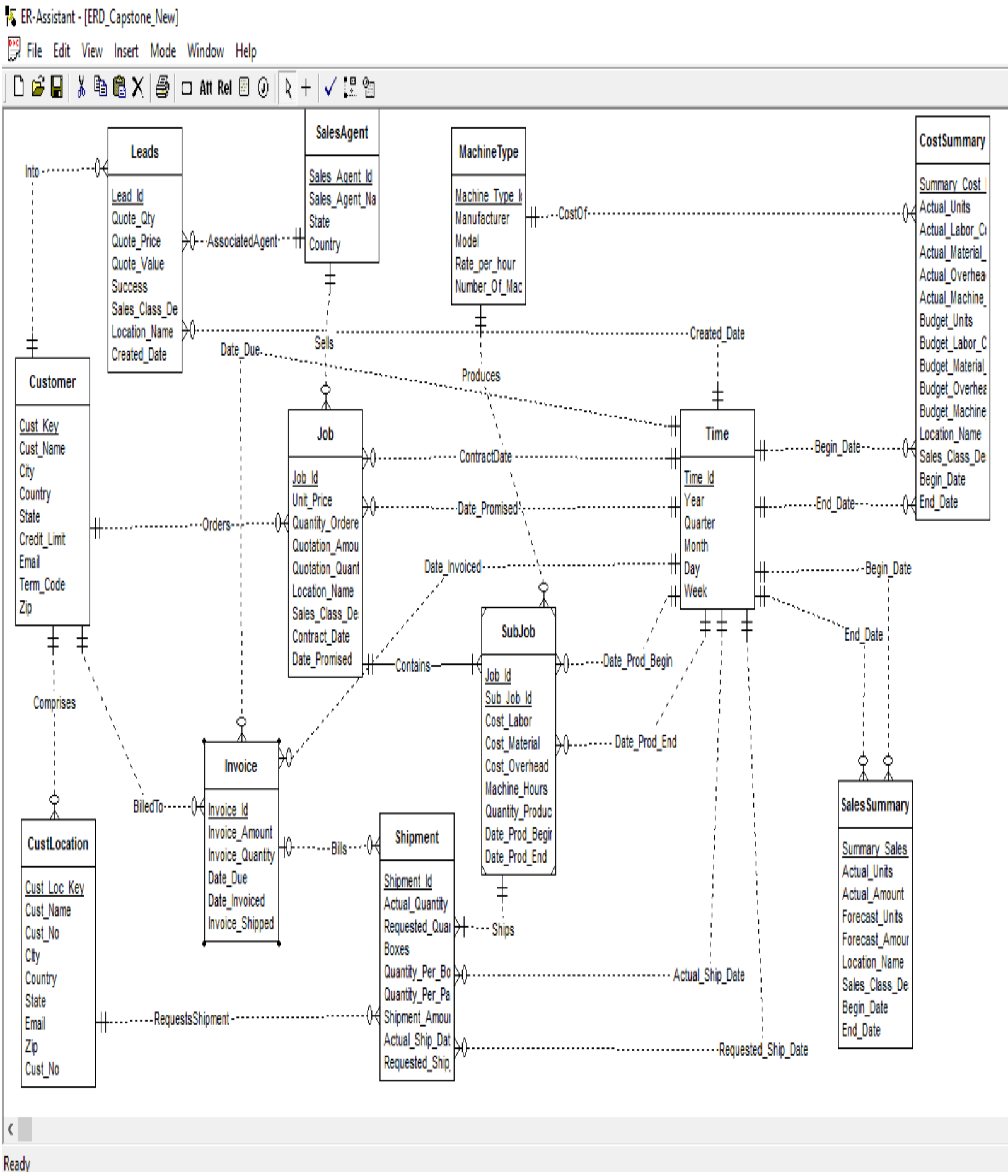


Solution for Problem4 of Module 2 Assignment



ERD diagram above shows the different fact and dimension tables.

Dimension Tables are: (Only Primary Key is Marked, Other details in the diagram)(Five)

1. Customer

Cust_Key(Primary Key)

2. CustLocation

Cust_Loc_Key(Primary Key)

Cust_No(Keeps Count when same customer in different location)

3. SalesAgent

Sales_Agent_Id(Primary Key)

4. MachineType

Machine_Type_Id(Primary Key)

5. Time

Time_Id(Primary Key)

Fact Tables are: (Only Primary Key is Marked, Other Details in the diagram)

1. Job

Job_Id(Primary Key)

Instead of Location_id, Location_Name is used in the table directly.

Instead of Sales_Class_id, Sales_Class_Desc is used in the table directly.

2. SubJob

(Job_Id, Subjob_Id)- Primary Key

3. Shipment

Shipment_Id(Primary Key) Instead of Sales_Class_id, Sales_Class_Desc is used in the table directly.

4. Invoice

Invoice_Id(Primary Key)

5. CostSummary

Summary_Cost_Id(Primary Key)

Instead of Location_id, Location_Name is used in the table directly.

Instead of Sales_Class_id, Sales_Class_Desc is used in the table directly.

6. SalesSummary

Summary_Sales_Id(Primary Key)

Instead of Location_id, Location_Name is used in the table directly.

Instead of Sales_Class_id, Sales_Class_Desc is used in the table directly.

7. Leads

Lead_Id(Primary Key)

Instead of Location_id, Location_Name is used in the table directly.

Instead of Sales_Class_id, Sales_Class_Desc is used in the table directly.

Showing different fact tables:

Schema type	Dimension tables	Fact table	Comments
Shipment Star Schema	CustLocation, Time(Actual_Ship_Date) Time(Requested_Ship_Date)	Shipment	Shipment keep tracks of shipped products.
Job Star Schema	Customer, Time(Contract_Date) Time(Date_Promised) SalesAgent	Job	This keeps track of the different jobs added to the databases.
SubJob Star Schema	Customer MachineType, Time(Date_Prod_Begin) Time(Date_Prod_End)	SubJob	This maintains a list of subjobs for each job.
Invoice Star Schema	Customer, Time(Date_due) Time(Date_Invoiced)	Invoice	This maintains the invoice generated for each item bought by customer or shipped.
Cost(Summary) Schema	Time(Begin_Date) Time(End_Date),MachineType	Cost(Summary)	This maintains the cost data for different things.
Sales(Summary) Schema	Time(Begin_Date) Time(End_Date)	Sales(Summary)	This maintains the sales data for different tables.

Leads Schema	Customer Time(Created_Date) Sales_Agent	Leads	This maintains the data about different leads.
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