



## **DATABASE MANAGEMENT SYSTEM (CS310)**

### **PROJECT TITLE -**

**Database design on Car vehicle insurance company**

### **Under the Guidance of -**

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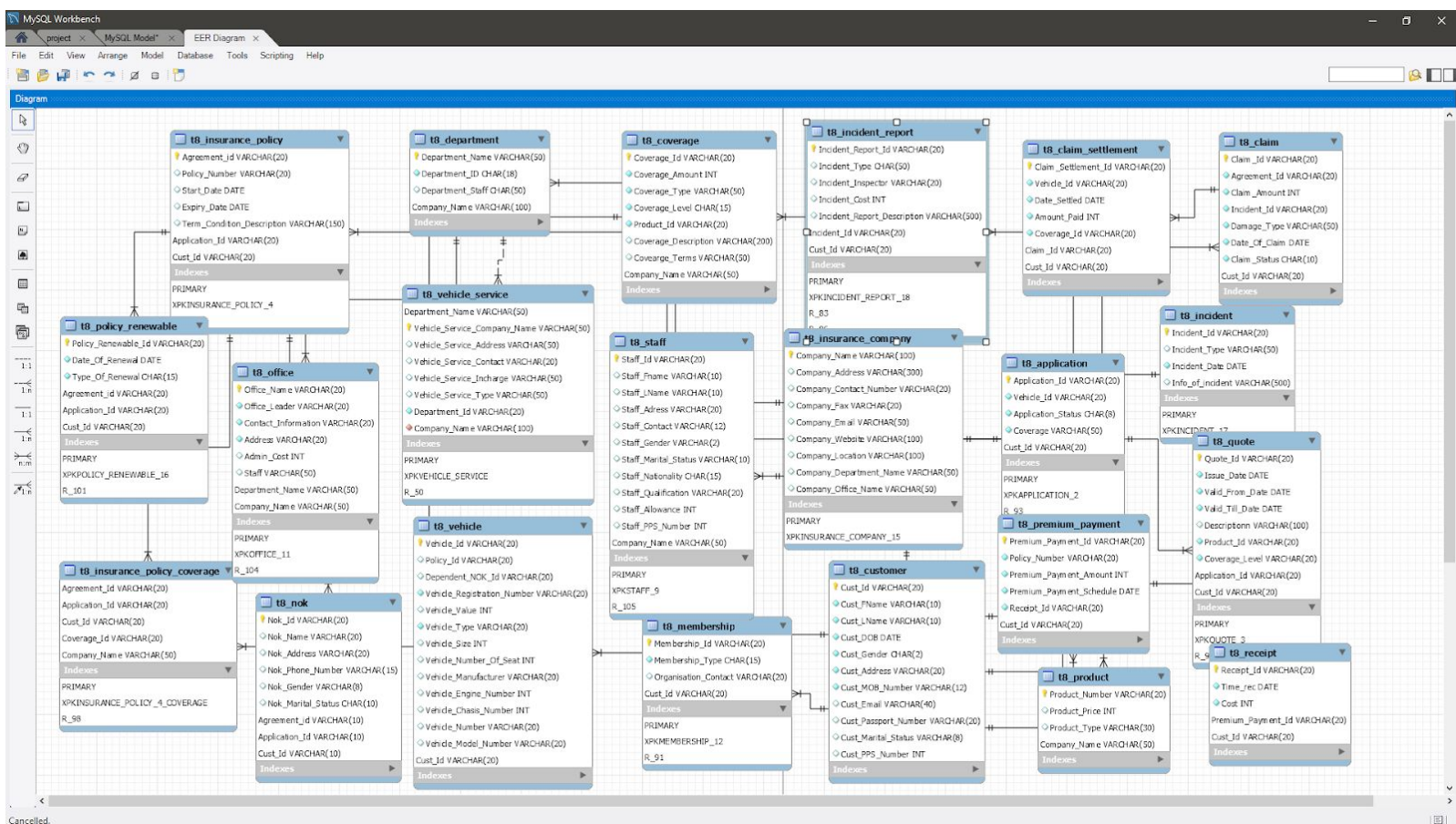
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The below diagram shows the physical data model of the vehicle insurance company DBMS.



Activities MySQL Workbench Nov 25 11:23 AM MySQL Workbench

CAR\_INSURANCE

File Edit View Query Database Server Tools Scripting Help

Car\_Insurance\_project Limit to 1000 rows

```

910 ('80411','80211','80111',81911,"Reliance Vehicle Insurance Company Limited"),
911 ('80412','80212','80112',81912,"Kotak Vehicle Insurance Company Limited"),
912 ('80413','80213','80113',81913,"Kotak Vehicle Insurance Company Limited"),
913 ('80414','80214','80114',81914,"SBI Vehicle Insurance Company Limited"),
914 ('80415','80215','80115',81915,"SBI Vehicle Insurance Company Limited"),
915 ('80416','80216','80116',81916,"Birla Sun Vehicle Insurance Company Limited"),
916 ('80417','80217','80117',81917,"Kotak Vehicle Insurance Company Limited"),
917 ('80418','80218','80118',81918,"Kotak Vehicle Insurance Company Limited"),
918 ('80419','80219','80119',81919,"Kotak Vehicle Insurance Company Limited"),
919 ('80420','80220','80120',81920,"Birla Sun Vehicle Insurance Company Limited");
920
921
922
923 -- query 1
924 select *
925 from T8_VEHICLE v inner join T8_CUSTOMER c on v.Cust_id=c.Cust_id
926 where c.Cust_id in (
927     select c1.Cust_id
928     from T8_CUSTOMER c1, T8_CLAIM x, T8_INCIDENT_REPORT i
929     where i.Cust_id = c1.Cust_id and c1.Cust_id = x.Cust_id and x.Claim_Status = 'Pending');
930

```

Filter Rows: Export: Wrap Cell Content:

#	Vehicle_Id	Policy_Id	Dependent	NC_Vehicle	Registrati	Vehicle_Val	Vehicle_Ty	Vehicle_S	Vehicle_Man	Vehicle_En	Vehicle_Ci	Vehicle_Nui	Vehicle_Model	Cust_Id	Cust_Id	Cust_FNa	Cust_LN	Cust_DOB	Cust	Cust_Address	Cust_MOB	I_Cust	Email
1	80604	20004	81404	MH 35 DW 6336	1200000	4-wheeler	19	8	Mercedes	51704	52704	549101	FZS-487100	80104	80104	Bhargava	H.S	1998-12-12	M	New Delhi	8875456264	18bcs018@iit	
	80606	20006	81406	UP 29 RU 4554	800000	4-wheeler	15	4	Maruti	51706	52706	991181	FZS-587533	80106	80106	Kshilaz	Micheal	1999-12-07	M	Madhya Prad...	6654565855	18bcs085@iit	
	80613	20013	81413	UP 18 MN 2222	700000	4-wheeler	12	4	Maruti	51713	52713	459110	FZS-5554100	80113	80113	Kiran	Bedi	1994-11-12	F	Pune	7894561230	kiranbedi@g...	
	80619	20019	81419	DL 34 JK 8888	650000	4-wheeler	12	4	Maruti	51718	52719	998741	FZS-5433100	80119	80119	Ashok	Kumar	1967-07-01	M	Lucknow	7842024575	ashokkumar...	
	80616	20016	81416	MH 07 EF 5555	1700000	4-wheeler	19	5	Ford	51716	52716	999901	FZS-2340100	80116	80116	Kalpna	Chaw...	1995-10-23	F	Lucknow	6658400123	kalpnachawal...	
	80611	20011	81411	CH 35 KP 0000	2500000	4-wheeler	25	8	AUDI	51711	52711	881101	FZS-343100	80111	80111	Rahul	Gandhi	1999-07-25	M	Hyderabad	8875469568	rahulgandhi@	

Result 1

Action Output

Query Completed

```

select *
from T8_VEHICLE v inner join T8_CUSTOMER c on v.Cust_id = c.Cust_id
where c.Cust_id in (
    select c1.Cust_id
    from T8_CUSTOMER c1, T8_CLAIM x, T8_INCIDENT_REPORT i
    where i.Cust_id = c1.Cust_id and c1.Cust_id = x.Cust_id and
    x.Claim_Status='Pending');

```

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MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Car\_Insurance\_project

Limit to 1000 rows

```
-- query 2
select *
from T8_CUSTOMER c1
where c1.Cust_id in
(select c.Cust_id from T8_CUSTOMER c, T8_PREMIUM_PAYMENT p
where (p.Cust_id = c.Cust_id and p.Premium_Payment_Amount > (select sum(CAST(Cust_id as unsigned)) from T8_CUSTOMER)));
```

#	Cust_Id	Cust_FName	Cust_LN	Cust_DOB	Cust_Gender	Cust_Address	Cust_MOB_Number	Cust_Email	Cust_Passport_Number	Cust_Marital_Status	Cust_PPS_Number
1	80104	Bhargava	H.S	1998-12-12	M	New Delhi	8875456264	18bcs018@iitdwd.ac.in	4565855855	Single	804
2	80112	Kapil	Dev	1997-10-23	M	Kolkata	6520012301	kapildev@gmail.com	7776758364	Divorced	812

T8\_CUSTOMER 2

Action Output

Query Completed

```
select *
from T8_CUSTOMER c1
where c1.Cust_id in
(select c.Cust_id from T8_CUSTOMER c, T8_PREMIUM_PAYMENT p
where (p.Cust_id = c.Cust_id and p.Premium_Payment_Amount > (select
sum(CAST(Cust_id as unsigned)) from T8_CUSTOMER)));
```

Activities MySQL Workbench Nov 25 11:25 AM MySQL Workbench

CAR\_INSURANCE

File Edit View Query Database Server Tools Scripting Help

Car\_Insurance\_project Limit to 1000 rows

```
-- query 3
select *
from T8_INSURANCE_COMPANY
where Company_Name in
(select T8_OFFICE.Company_Name
from T8_OFFICE
group by Company_Name
having count(distinct (Address))>1 and Company_Name in
(select T8_DEPARTMENT.Company_Name
from T8_PRODUCT inner join T8_DEPARTMENT
on T8_DEPARTMENT.Company_Name = T8_PRODUCT.Company_Name
group by T8_DEPARTMENT.Company_Name
having count(distinct (Product_Number)) > count(distinct (Department_Name))));
```

#	Company_Name	Company_Address	Company_Contact_Number	Company_Fax	Company_Email	Company_Website	Company_Location	Company_Department_Name	Company_Office_Name
1	Birla Sun Vehicle Insurance Compa...	One World Center, Tower 1, 16th Fl...	9769915765	5033256700	care.Vehicleinsurance@adityabirla...	https://Vehicleinsurance.adityabirla...	Mumbai	Birla Sun Vehicle Insurance	Birla Sun Vehicle Insurance
2	Kotak Vehicle Insurance Company ...	Kotak Mahindra Vehicle Insurance ...	4659878185	4659875642	KotakVehicleInsurance@help.com	KotakVehicleInsurance.com	Mumbai	kotakVehicleoffice	kotakVehicleoffice

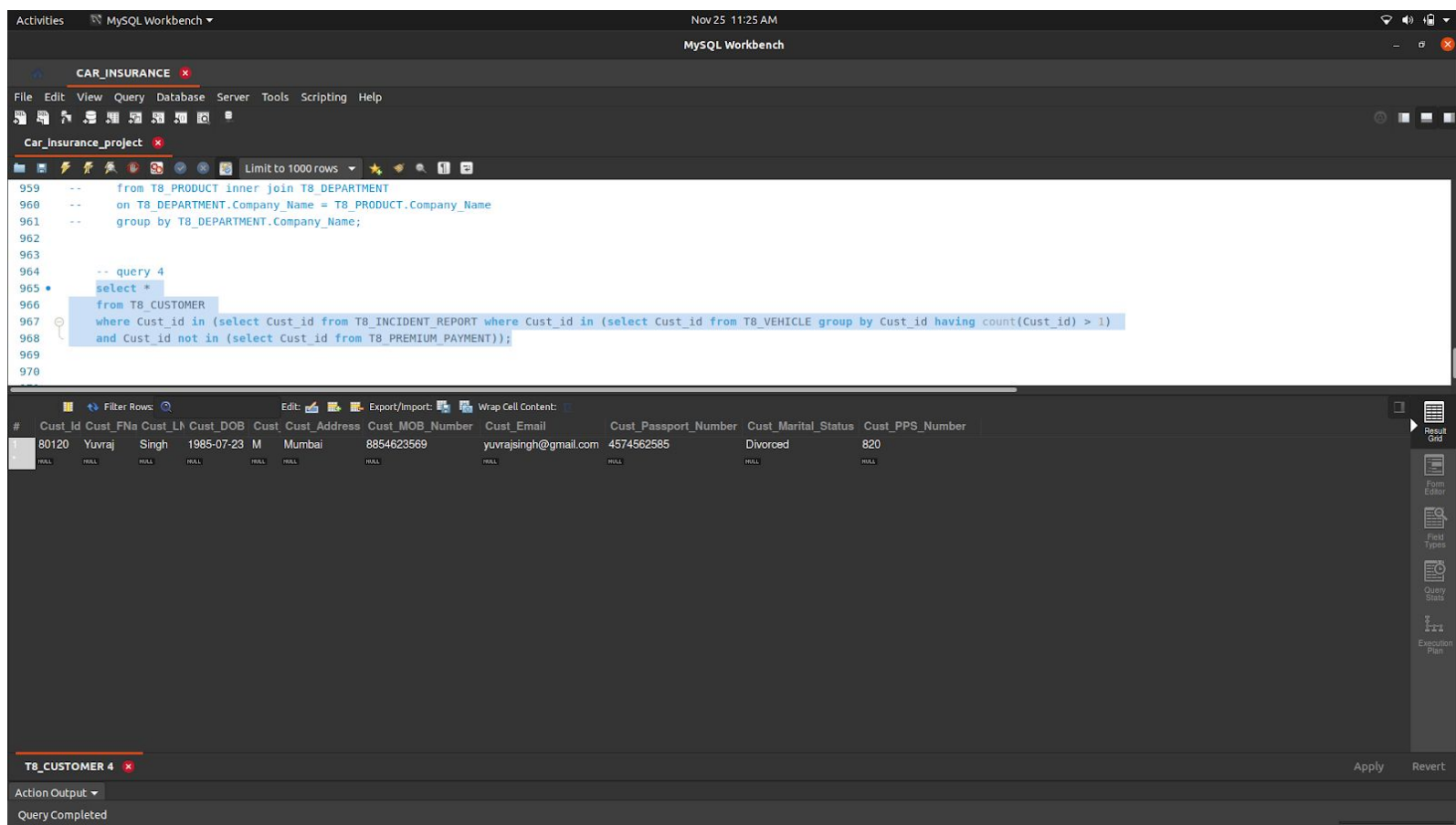
T8\_INSURANCE\_COMPANY 3

Action Output

Query Completed

Apply Revert

```
select *
from T8_INSURANCE_COMPANY
where Company_Name in
(select T8_OFFICE.Company_Name
from T8_OFFICE
group by Company_Name
having count(distinct(Address))>1 and Company_Name in
(select T8_DEPARTMENT.Company_Name
from T8_PRODUCT inner join T8_DEPARTMENT
on T8_DEPARTMENT.Company_Name = T8_PRODUCT.Company_Name
group by T8_DEPARTMENT.Company_Name
having count(distinct(Product_Number)) > count(distinct(Department_Name))));
```



```
select *
```

```
where Cust_id in (select Cust_id from T8_INCIDENT_REPORT where Cust_id in
(select Cust_id from T8_VEHICLE group by Cust_id having count(Cust_id) > 1)
and Cust_id not in (Select Cust_id from T8_PREMIUM_PAYMENT));
```



Activities MySQL Workbench Nov 25 11:25 AM

MySQL Workbench

CAR\_INSURANCE

File Edit View Query Database Server Tools Scripting Help

Car\_Insurance\_project

Limit to 1000 rows

```
967 where Cust_id in (select Cust_id from T8_INCIDENT_REPORT where Cust_id in (select Cust_id from T8_VEHICLE group by Cust_id having count(Cust_id) > 1)
968 and Cust_id not in (select Cust_id from T8_PREMIUM_PAYMENT));
969
970
971
972
973 -- query 5
974 select *
975 from T8_VEHICLE as v, T8_PREMIUM_PAYMENT as p where v.Cust_id = p.Cust_id and p.Premium_Payment_Amount > v.Vehicle_Number;
976
977
978
```

Filter Rows: Export: Wrap Cell Content:

#	Vehicle_Id	Policy_Ic	Dependent_NC	Vehicle_Registrati	Vehicle_Val	Vehicle_Ty	Vehicle_S	Vehicle_Man	Vehicle_En	Vehicle_Ci	Vehicle_Nu	Vehicle_Model	Cust_Id	Premium_Payment_I	Policy_Numbe	Premium_Payment_Amou	Premium_Payment_Scl	
1	80604	20004	81404	MH 35 DW 6336	1200000	4 wheeler	19	6	Mercedes	51704	52704	549101	FZS-487100	80104	80504	20004	2000000	2019-05-15
2	80612	20012	81412	MP 27 LO 1111	1699990	4 wheeler	19	6	Skoda	51712	52712	998641	FZS-3450100	80112	80512	20012	3400000	2019-12-14

Result 5

Action Output

Query Completed

```
select *
from T8_VEHICLE as v, T8_PREMIUM_PAYMNET as p where v.Cust_id =
p.Cust_id and p.Premium_Payment_Amount > v.Vehicle_Number;
```

Activities MySQL Workbench Nov 25 11:26 AM

MySQL Workbench

CAR\_INSURANCE

File Edit View Query Database Server Tools Scripting Help

Car\_Insurance\_project Limit to 1000 rows

```

976
977
978
979
980 - query 6
981 select *
982 from T8_CUSTOMER
983 where Cust_id
984 in (select distinct (cl.Cust_id)
985 from T8_CLAIM as cl, T8_CLAIM_SETTLEMENT as cs, T8_COVERAGE as co where cl.Claim_Amount > cs.Claim_Settlement_id + cs.Vehicle_id + cl.Claim_id + cl.Cust_id and cl.Claim_Amount < Coverage_Amount );
986
987

```

#	Cust_Id	Cust_FName	Cust_LName	Cust_DOB	Cust_Gender	Cust_Address	Cust_MOB_Number	Cust_Email	Cust_Passport_Number	Cust_Marital_Status	Cust_PPS_Number
1	80120	Yuvraj	Singh	1985-07-23	M	Mumbai	8854623569	yuvrajsingh@gmail.com	4574562585	Divorced	820
2	80117	Ramesh	Athe	1980-01-24	M	Pune	9966596532	rameshathe.com	7126854512	Divorced	817
3	80114	Pooja	Sharma	1998-10-03	F	Banglore	9876543210	poojasharma@gmail....	7496555364	Divorced	814
4	80113	Kiran	Bedi	1994-11-12	F	Pune	7894561230	kiranbedi@gmail.com	9999758364	Divorced	813
5	80112	Kapil	Dev	1997-10-23	M	Kolkata	6520012301	kapildev@gmail.com	7776758364	Divorced	812
6	80108	Mithil	Anchan	1999-04-25	M	Mumbai	5574856300	18bcs072@iitdwd.ac.in	7490000564	Divorced	808
7	80103	Aniruddha	Muju...	1999-05-22	M	Kashmir	9855654754	18bcs005@iitdwd.ac.in	5565842365	Divorced	803
8	80102	Akash	Kumar	2000-01-28	M	Himachal Pr...	8540045339	18bcs003@iitdwd.ac.in	1245512455	Single	802
9	80101	Advay	Aggar...	1999-01-03	M	Ludhiana	9546335667	18bcs002@iitdwd.ac.in	4745255465	Single	801
10	80110	Amit	Shah	1998-09-16	M	Banglore	9857565810	amitshah@gmail.com	4548200364	Divorced	810

T8\_CUSTOMER 6

Action Output

Query Completed

Apply Revert

```

select*
from T8_CUSTOMER
where Cust_id
in (select distinct(c1.Cust_id)
from T8_CLAIM as c1, T8_CLAIM_SETTLEMENT as cs, T8_COVERAGE as c0
where c1.Claim_Amount > cs.Claim_Settlement_id + cs.Vehicle_id + c1.Claim_id
+ c1.Cust_id and c1.Claim_Amount < Coverage_Amount);

```