Project Report

CS1116 Database Management and Applications

PREPARED BY

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FACULTY GUIDE

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RedLine Luxury Car Resellers

Problem statement

This application is meant for users (admin and Customers) who can access the information from database about the cars. Main objective of this project is that customers and administrators can easily automate their work with less effort.

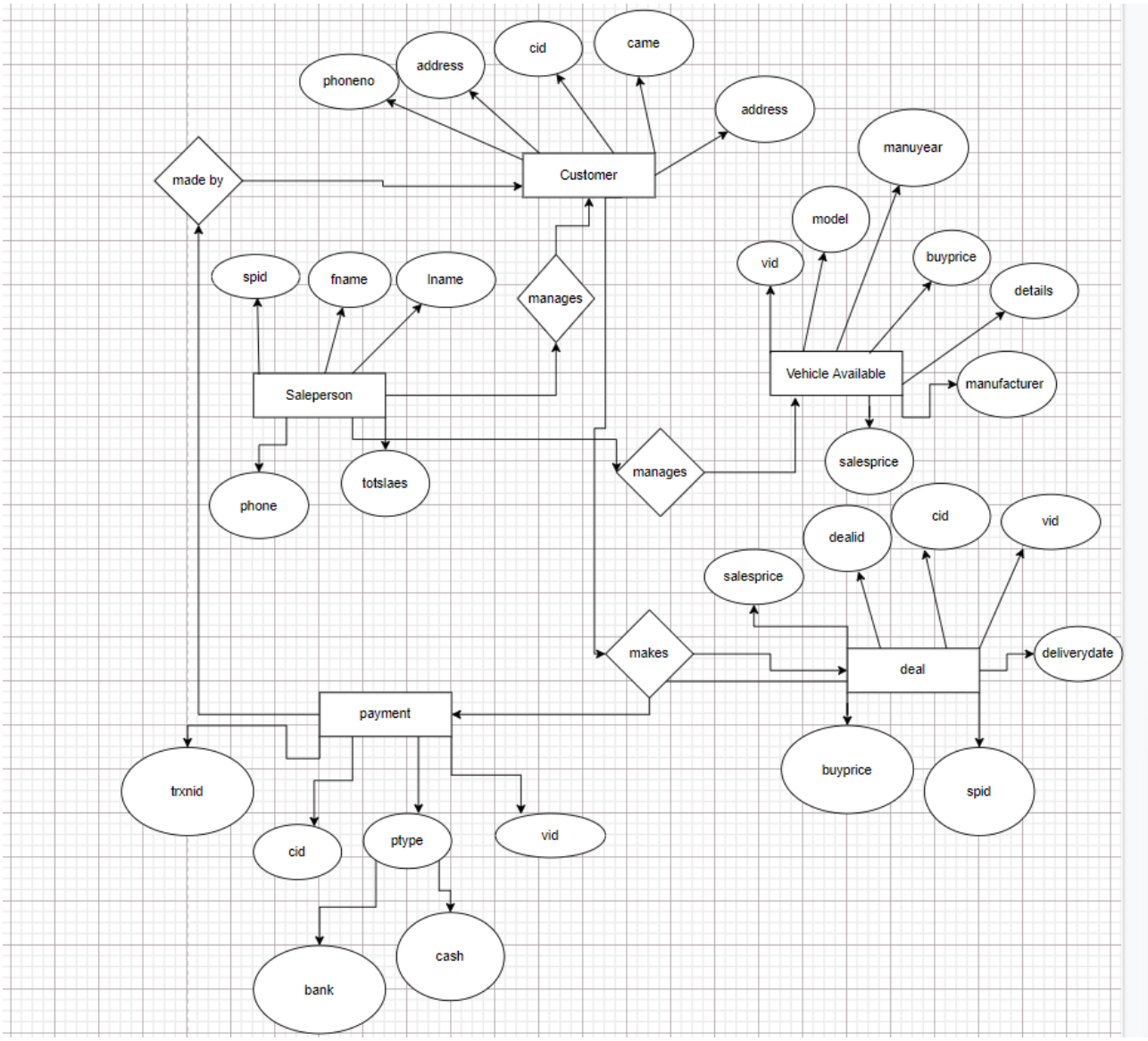
Introduction

There is a Car Reselling business operating in my locality which was using traditional methods for maintaining their data earlier. With time they shifted to a paid software which helped them manage their data in more efficient way, But this software was very costly and those monthly subscriptions were making a impact on the costs and the software was difficult to manage as the software provided many functionalities which were not even used by the business.

Re-viewing their problem, we decided to make a platform which provided all the necessary tools which the business used and were important and that too in less cost.

Technology used :-
MySQL

ER Model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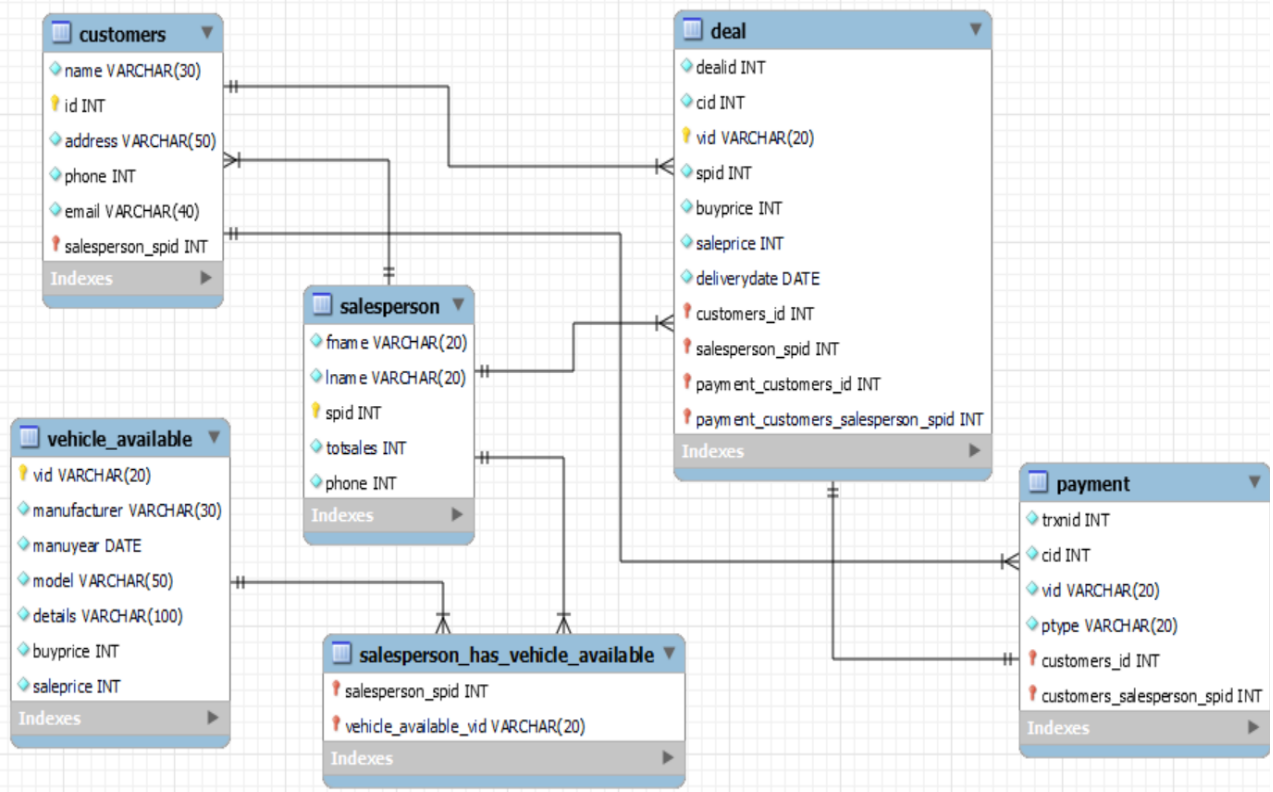
Enhanced Entity Relationship



Tables in our DataBase

- ❖ CUSTOMERS
- ❖ DEAL
- ❖ SALESPERSON
- ❖ VEHICLE_AVAILABLE
- ❖ PAYMENT

- CUSTOMERS Table contains all the details about the customers of the business.
- DEAL Table contains all the details about the sales made.
- SALESPERSON Table contains the details of the Dealers / SalesPersons of the business.
- VEHICLE_AVAILABLE Table contains the details of the Vehicles available for the sale.
- PAYMENT Table contains the details of the payment modes and related details

Queries

SELECT * FROM CUSTOMERS;

```
mysql> select * from customers;
+----------+-----+---------+-----------+--------------------+
| name     | cid | address | phone     | email              |
+----------+-----+---------+-----------+--------------------+
| Aaditya  |   1 | Jaipur  | 123456789 | aaditya@gmail.com  |
| kunal    |   2 | patna   | 321456987 | kunal@gmail.com    |
| devesh   |   3 | kanpur  | 147852369 | devesh@gmail.com   |
| harsh    |   4 | bengal  | 326598741 | harsh@gmail.com    |
| mahipal  |   5 | jammu   | 987456321 | mahipal@gmail.com  |
| aadarsh  |   6 | Jaipur  | 123456789 | aadarsh@gmail.com  |
| kashish  |   7 | patna   | 321456987 | kashish@gmail.com  |
| shivani  |   8 | kanpur  | 147852369 | shivani@gmail.com  |
| harshit  |   9 | bengal  | 326598741 | harshit@gmail.com  |
| mahi     |  10 | jammu   | 987456321 | mahi@gmail.com     |
| akash    |  11 | Jaipur  | 123456789 | akash@gmail.com    |
| kushal   |  12 | patna   | 321456987 | kushal@gmail.com   |
| divyank  |  13 | kanpur  | 147852369 | divyank@gmail.com  |
| daksh    |  14 | bengal  | 326598741 | daksh@gmail.com    |
| harshita |  15 | jammu   | 987456321 | harshita@gmail.com |
| khushi   |  16 | Jaipur  | 123456789 | khushi@gmail.com   |
| kush     |  17 | patna   | 321456987 | kush@gmail.com     |
| shivank  |  18 | kanpur  | 147852369 | shivank@gmail.com  |
| kavya    |  19 | bengal  | 326598741 | kavya@gmail.com    |
| mohit    |  20 | jammu   | 987456321 | mohit@gmail.com    |
+----------+-----+---------+-----------+--------------------+
```

SELECT * FROM DEAL;

```
mysql> SELECT * FROM DEAL;
+--------+-----+-----------------+------+----------+-----------+--------------+
| dealid | cid | vid             | spid | buyprice | saleprice | deliverydate |
+--------+-----+-----------------+------+----------+-----------+--------------+
|      3 |   3 | HCDUY487BV58758B |    2 |   600000 |    750000 | 2019-10-25   |
|      4 |   4 | JDND7V487R47RVBY |    4 |  2000000 |   2300000 | 2020-10-10   |
|      1 |   1 | LJP234R5TY89JKWE |    1 |   700000 |    900000 | 2015-09-12   |
|      2 |   2 | SDHF8734YB4B5787 |    2 |   600000 |    750000 | 2018-12-25   |
|      5 |   5 | SDSCB374R3478B6C |    3 |   800000 |    900000 | 2021-12-25   |
+--------+-----+-----------------+------+----------+-----------+--------------+
```

SELECT * FROM SALESPERSON;

```
mysql> SELECT * FROM SALESPERSON;
+---------+--------+------+----------+------------+
| fname   | lname  | spid | totsales | phone      |
+---------+--------+------+----------+------------+
| mukesh  | raj    |    1 |        0 |  326145879 |
| rishabh | singh  |    2 |        0 | 1074852056 |
| ashish  | sharma |    3 |        0 |  321456987 |
| raghav  | singh  |    4 |        0 | 2147483647 |
| kartik  | singh  |    5 |        0 | 2147483647 |
+---------+--------+------+----------+------------+
```

SELECT * FROM VEHICLE_AVAILABLE;

```
mysql> SELECT * FROM vehicle_available;
+-----------------+--------------+----------+---------+---------+----------+-----------+
| vid             | manufacturer | manuyear | model   | details | buyprice | saleprice |
+-----------------+--------------+----------+---------+---------+----------+-----------+
| HCDUY487BV58758B | HONDA        |     2018 | CITY    | diesel  |   800000 |   1000000 |
| JDND7V487R47RVBY | AUDI         |     2019 | A3      | petrol  |  2000000 |   2300000 |
| LJP234R5TY89JKWE | SKODA        |     2012 | rapid   | petrol  |   700000 |    900000 |
| SDHF8734YB4B5787 | HUYNDAI      |     2016 | I20     | diesel  |   600000 |    750000 |
| SDSCB374R3478B6C | VOLKSWAGEN   |     2020 | POLO GT | petrol  |   800000 |    900000 |
+-----------------+--------------+----------+---------+---------+----------+-----------+
```

SELECT * FROM PAYMENT;

```
mysql> select * from payment;
+--------+-----+--------------------+--------+
| trxnid | cid | vid                | ptype  |
+--------+-----+--------------------+--------+
|      1 |   1 | LJP234R5TY89JKWE   | cash   |
|      2 |   2 | JDND7V487R47RVBY   | cash   |
|      3 |   3 | HCDUY487BV58758B   | NEFT   |
|      4 |   4 | JDND7V487R47RVBY   | Cheque |
|      5 |   5 | SDSCB374R3478B6C   | Cheque |
+--------+-----+--------------------+--------+
```

SELECT * FROM CUSTOMERS, PAYMENT WHERE CUSTOMERS.CID = PAYMENT.CID

```
mysql> select *  from customers, payment where customers.cid = payment.cid;
+---------+-----+---------+----------+------------------+--------+-----+--------------------+--------+
| name    | cid | address | phone    | email            | trxnid | cid | vid                | ptype  |
+---------+-----+---------+----------+------------------+--------+-----+--------------------+--------+
| Aaditya |   1 | Jaipur  | 123456789 | aaditya@gmail.com |      1 |   1 | LJP234R5TY89JKWE   | cash   |
| kunal   |   2 | patna   | 321456987 | kunal@gmail.com   |      2 |   2 | JDND7V487R47RVBY   | cash   |
| devesh  |   3 | kanpur  | 147852369 | devesh@gmail.com  |      3 |   3 | HCDUY487BV58758B   | NEFT   |
| harsh   |   4 | bengal  | 326598741 | harsh@gmail.com   |      4 |   4 | JDND7V487R47RVBY   | Cheque |
| mahipal |   5 | jammu   | 987456321 | mahipal@gmail.com |      5 |   5 | SDSCB374R3478B6C   | Cheque |
+---------+-----+---------+----------+------------------+--------+-----+--------------------+--------+
```

SELECT * FROM DEAL,SALESPERSON WHERE DEAL.SPID = SALESPERSON.SPID;

```
mysql> SELECT * FROM DEAL,SALESPERSON WHERE DEAL.SPID = SALESPERSON.SPID;
+--------+-----+-----------------+------+----------+-----------+-------------+---------+--------+------+----------+------------+
| dealid | cid | vid             | spid | buyprice | saleprice | deliverydate | fname   | lname  | spid | totsales | phone      |
+--------+-----+-----------------+------+----------+-----------+-------------+---------+--------+------+----------+------------+
|      3 |   3 | HCDUY487BV58758B |    2 |   600000 |    750000 | 2019-10-25   | rishabh | singh  |    2 |        0 | 1074852056 |
|      4 |   4 | JDND7V487R47RVBY |    4 |  2000000 |   2300000 | 2020-10-10   | raghav  | singh  |    4 |        0 | 2147483647 |
|      1 |   1 | LJP234R5TY89JKWE |    1 |   700000 |    900000 | 2015-09-12   | mukesh  | raj    |    1 |        0 |  326145879 |
|      2 |   2 | SDHF8734YB4B5787 |    2 |   600000 |    750000 | 2018-12-25   | rishabh | singh  |    2 |        0 | 1074852056 |
|      5 |   5 | SDSCB374R3478B6C |    3 |   800000 |    900000 | 2021-12-25   | ashish  | sharma |    3 |        0 |  321456987 |
+--------+-----+-----------------+------+----------+-----------+-------------+---------+--------+------+----------+------------+
```

Thank
You