

Practical Test

The details of the Users of an organization are stored in the database in the tabular format. DataBase Name: **CarDataBase**

The name of the Table is **tblEmployees**. The table stored the data of the doctors with the following structure.

Field Name	Type
employeeID	char(4) (Primary Key)
employeeName	varchar(50)
password	varchar(10)
status	Bit

The details of the car of an organization are stored in the database in the tabular format. The name of the Table is **tblCars**. The table stored the data of the medicine with the following structure.

Field Name	Type
carID	char(5) (Primary Key)
carName	varchar(50)
color	varchar(10)
price	Float
quantity	Int
status	Bit

The details of the Order of an organization are stored in the database in the tabular format. The name of the Table is **tblOrders**. The table stored the data of the Orders with the following structure.

Field Name	Type
orderID	int (Primary Key)
employeeID	char(4)(Foreign Key)

orderDate	Datetime
totalMoney	Float
status	Bit(default is true)

The order detail table as following: **tblOrderDetail**

Field Name	Type
id	Int (Primary Key)
carID	char(5)(Foreign Key)
quantity	Int
price	Float
orderID	Int (Foreign Key)

The distributed application should allow to user to do the following activities:

1. **Function 1(1point):** Create DB

1.1. If the program interacts with all data tables

2. **Function 2(2 point):** Get all cars has status is active and quantity greater than 0 and car color. Employee can input the color to search.

3. **Function 3(7 points):** Shopping

3.1.Add the selected car to shopping cart. The default quantity is one. User can view the selected car in the cart. The screen must show the total amount of money of this cart **(2 point)**

3.2.User can update amount of each car in cart **(1 point)**

3.3.Click the Confirm button to store the car to database, must store the buy date time **(4 point)**

Note:

1. **Student do not need to submit the database.**
2. **Must use MVC2 model.**
3. **Must follow the course role, each mistake: -1point.**
4. **All errors relate to DB: fail.**