CARSALE MANAGEMENT SYSTEM(Using Netbeans and java-sql connectivity)

MY SQL :-

DATABASE AND TABLES:-

DATABASE CARSALE

TABLE EMPLOYEE

TABLE SERVICE

TABLE CARDETAILS

```
mysql> create table cardetails
    -> (
    -> modelno integer,
    -> modelname varchar(20),
    -> company varchar(20),
    -> manufacturer varchar(25),
    -> colour varchar(20),
    -> cost integer
    -> );
Query OK, 0 rows affected (0.09 sec)
```
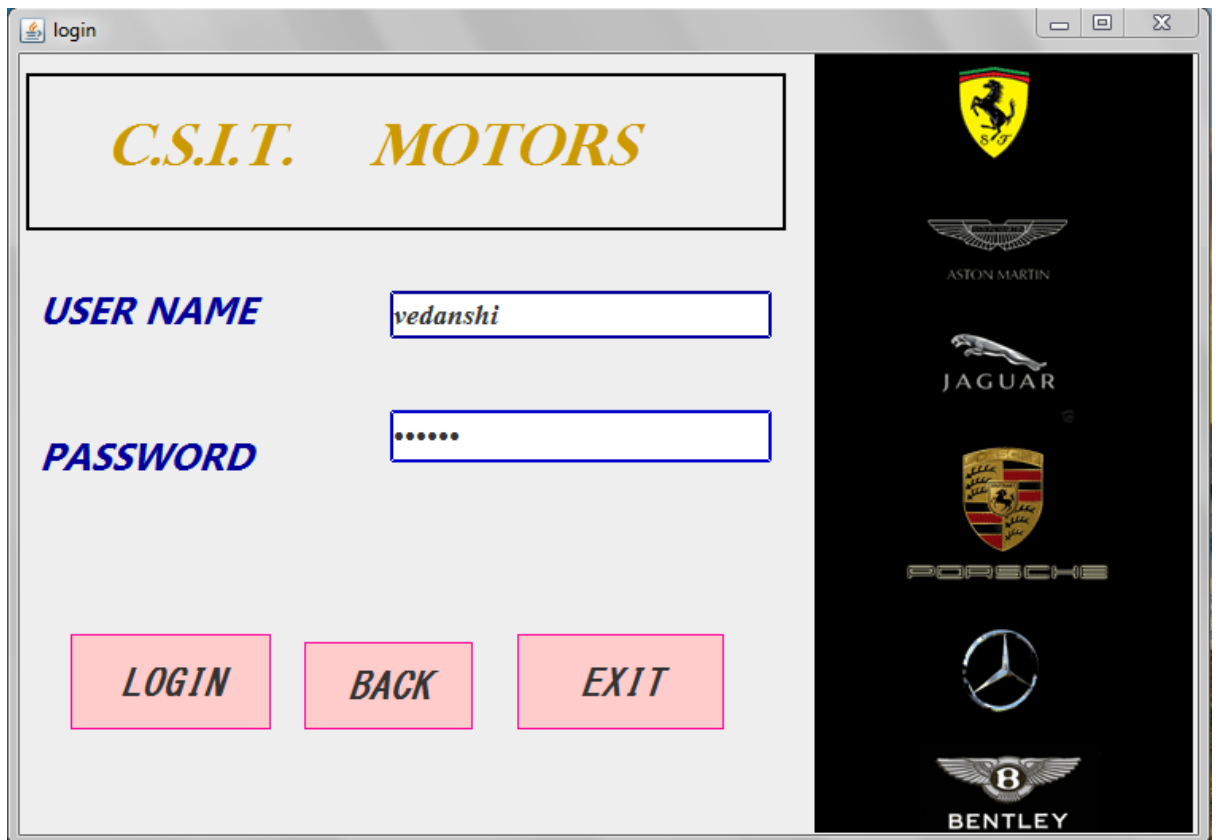
MY SQL AND JAVA CONNECTIVITY:-

❖ **WELCOME FRAME**

new loginframe().setVisible(true);
this.setVisible (false);

LOGIN FRAME

CODE FOR LOGIN BUTTON :-

```
String uname = tf1.getText();
String pwd = new String (pw1.getPassword());
if (pwd.equals("jaguar"))
{ new mainmenu().setVisible(true);
this.setVisible(false);
}
else
    System.exit(0);
```

CODE FOR BACK BUTTON:-

```
new welcome().setVisible (true);
this.setVisible(false);
```

CODE FOR EXIT BUTTON:-

```
System.exit(0);
```

- **MAIN MENU FRAME**


```
new ADD_EMPL_DETAILS().setVisible(true);
this.setVisible(false);

new DELETE_EMPLOYEE_DETAILS().setVisible(true);
this.setVisible(false);

new update_empl_details().setVisible(true);
this.setVisible(false);

new VIEW_EMPLOYEE_DETAILS().setVisible(true);
this.setVisible(false);

new add_car_details().setVisible(true);
this.setVisible(false);
```

```java
new delete_car_details().setVisible(true);
this.setVisible(false);


new update_car_details().setVisible(true);
this.setVisible(false);


new view_car_details().setVisible(true);
this.setVisible(false);


new add_service_details().setVisible(true);
this.setVisible(false);


new delete_service_details().setVisible(true);
this.setVisible(false);


new update_service_details().setVisible(true);
this.setVisible(false);


new view_service_details().setVisible(true);
this.setVisible(false);
```

ADD EMPLOYEE DETAILS

CODE FOR ADD_DETAILS BUTTON :-

```
try
{
Class.forName("java.sql.DriverManager");
 String userid= "root";
      String pwd= "bls";
      String db_url = "jdbc:mysql://localhost:3306/carsale";
```

```java
            Connection con = DriverManager.getConnection(db_url,
userid, pwd);
            String dept = "";
            int sal = 0;
            if(rb1.isSelected() == true)
            {sal = 31000;
            dept = "SERVICE";}
            if(rb2.isSelected() == true)
            {sal = 36000;
            dept = "SALES";}
            tf8.setText("" + dept);
            tf5.setText("" +sal);
  String sql = "insert into employee
values("+tf1.getText()+",'"+tf2.getText()+"','"+ tf3.getText()+"'" +
     ",'"+tf4.getText()+"',"+sal+",'"+tf6.getText()+"','"+
tf7.getText()+"','"+dept+"');";
                Statement st=con.createStatement();
                st.executeUpdate(sql);
                JOptionPane.showMessageDialog(null,"Record
Saved");}
   catch (Exception
e){JOptionPane.showMessageDialog(null,e.getMessage());}
```

CODE FOR MAIN MENU BUTTON:-

```java
new mainmenu().setVisible(true);
this.setVisible(false);
```

❖ **UPDATE EMPLOYEE DETAILS**

CODE FOR UPDATE_DETAILS BUTTON

```
try {
        Class.forName("java.sql.DriverManager");
        Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/carsale","root"
,"bls");
        String sql = "UPDATE employee SET empname =
'"+tf2.getText()+"',address = '"+tf3.getText()+"'" +
```

```
        ",phno = '"+tf4.getText()+"',city = '"+tf5.getText()+"' WHERE
empid = "+tf1.getText()+";";
        Statement st=con.createStatement();
        st.executeUpdate(sql);
        JOptionPane.showMessageDialog(null,"Record updated");

    }
    catch(Exception e) {
      JOptionPane.showMessageDialog(null,"Error"+e.getMessage());

    }
```
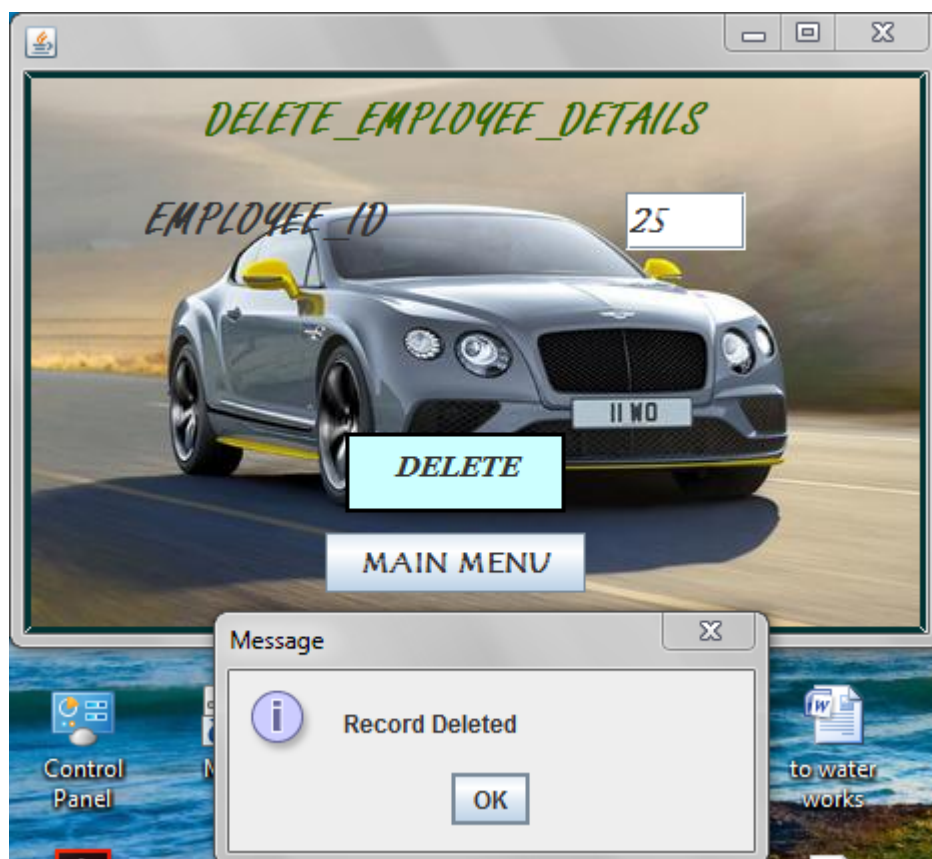
CODE FOR MAIN MENU BUTTON

```
new mainmenu().setVisible(true);
this.setVisible(false);
```
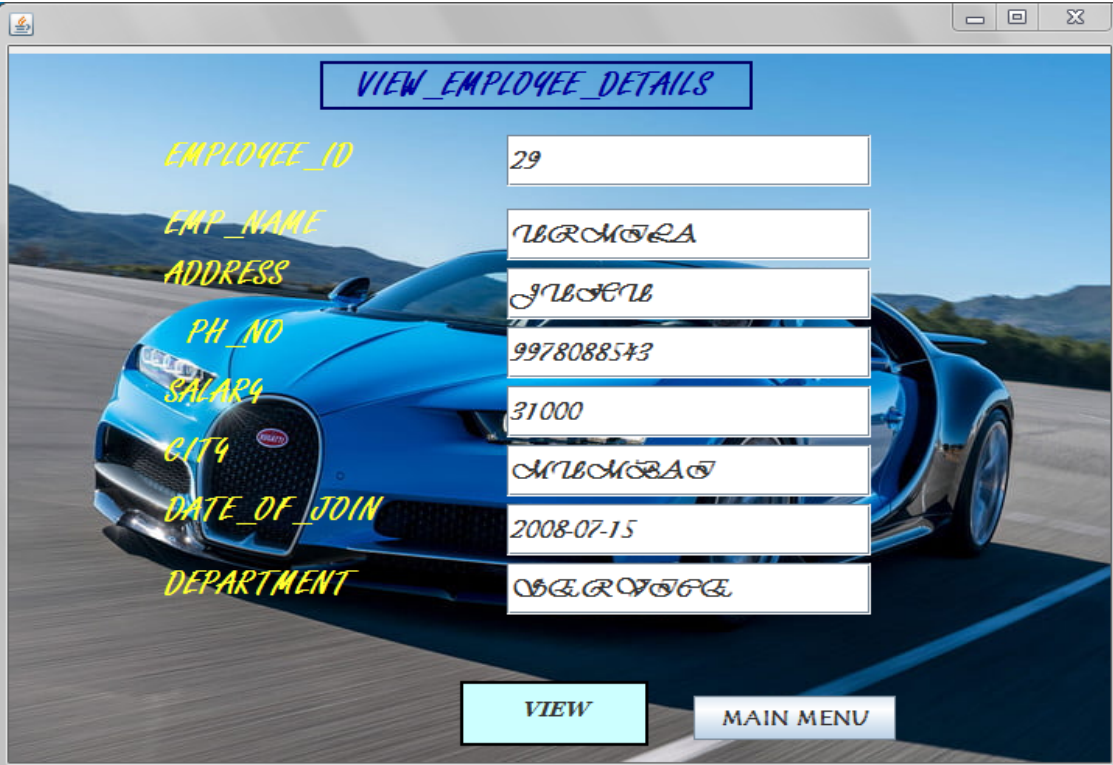
❖ DELETE EMPLOYEE DETAILS

CODE FOR DELETE BUTTON

```java
 try {
        Class.forName("java.sql.DriverManager");
Connection
con=DriverManager.getConnection("jdbc:mysql://localhost:3306/carsale","
root","bls");
String sql = "delete from employee where empid = "+tf1.getText()+";";
        Statement st=con.createStatement();
        st.executeUpdate(sql);
        JOptionPane.showMessageDialog(null,"Record DELETED" );  }
    catch(Exception e)
JOptionPane.showMessageDialog(null,"Error"+e.getMessage());
    }
```

CODE FOR MAIN MENU BUTTON

```java
new mainmenu().setVisible(true);
this.setVisible(false);
```

_VIEW EMPLOYEE DETAILS

CODE FOR VIEW BUTTON

```
try {
        Class.forName("java.sql.DriverManager");
        Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/carsale","root"
,"bls");
        String sql = "select * from employee where empid =
"+tf1.getText()+";";
        Statement st=con.createStatement();
        ResultSet rs=st.executeQuery(sql);
        if (!rs.next())
        JOptionPane.showMessageDialog(null,"No such record");
        else {
        tf2.setText(rs.getString("empname"));
        tf3.setText(rs.getString("address"));
        tf4.setText(rs.getString("phno"));
    tf5.setText(rs.getString("salary"));
```

```
        tf6.setText(rs.getString("city"));
        tf7.setText(rs.getString("dateofjoin"));
        tf8.setText(rs.getString("dept"));
            }
    }
    catch(Exception e) {
        JOptionPane.showMessageDialog(null,"Error"+e.getMessage());
    }
```

CODE FOR MAIN MENU BUTTON

```
new mainmenu().setVisible(true);
this.setVisible(false);
```

ADD SERVICE DETAILS

CODE FOR ADD_ DETAILS BUTTON

```java
try
{
Class.forName("java.sql.DriverManager");
 String userid= "root";
      String pwd= "bls";
      String db_url = "jdbc:mysql://localhost:3306/carsale";
         Connection con = DriverManager.getConnection(db_url, userid,
pwd);
 String sql = "insert into service
values('"+tf1.getText()+"',"+tf2.getText()+","+tf3.getText()+","+tf4.getText()
+"" +
    ","+tf5.getText()+");";
               Statement st=con.createStatement();
               st.executeUpdate(sql);
               JOptionPane.showMessageDialog(null,"Record Saved");}
  catch (Exception
e){JOptionPane.showMessageDialog(null,e.getMessage());}
```
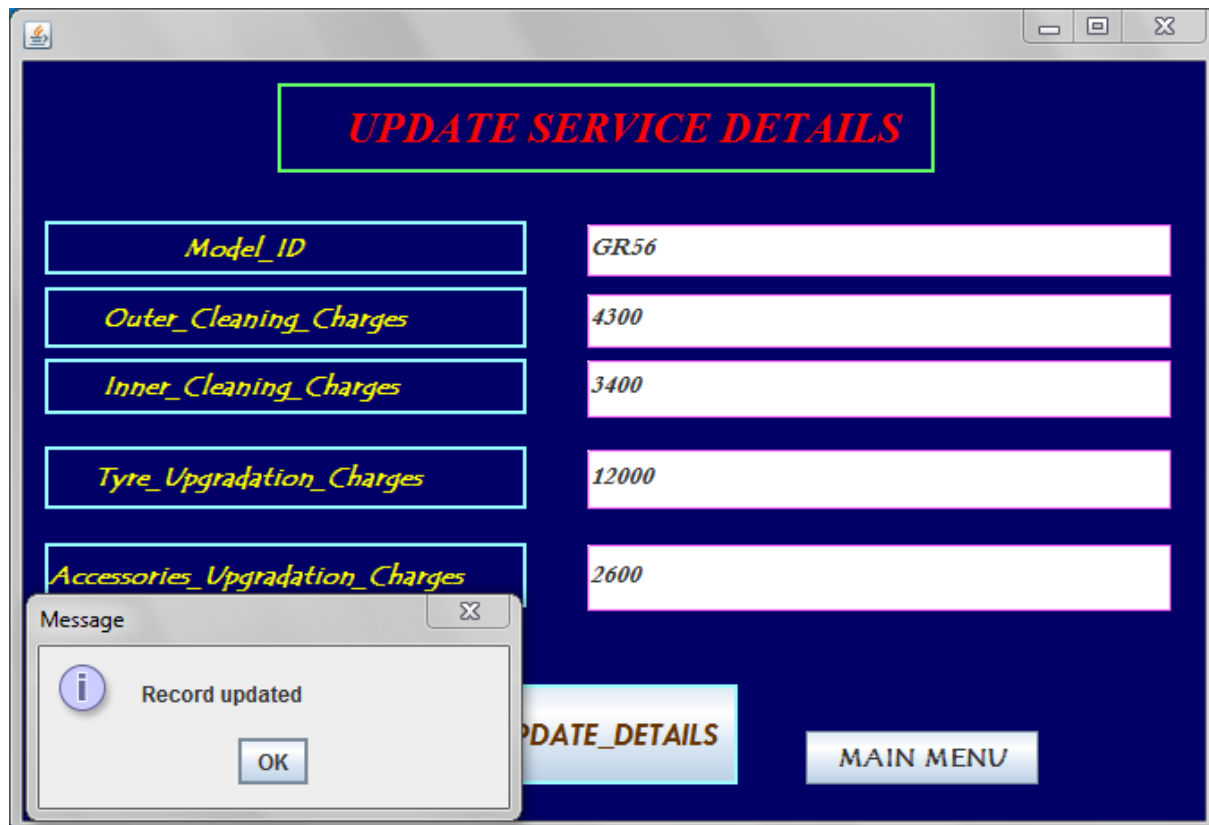
CODE FOR MAIN MENU BUTTON
```java
new mainmenu().setVisible(true);
this.setVisible(false);
```

❖ **UPDATE SERVICE DETAILS**

CODE FOR UPDATE_DETAILS BUTTON

```
try {

        Class.forName("java.sql.DriverManager");

        Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/carsale","root","bl
s");

String sql = "UPDATE service SET ocleaningcharges =
"+tf2.getText()+",icleaningcharges = "+tf3.getText()+"" +

",tyreupgcharges = "+tf4.getText()+",accupgcharges = "+tf5.getText()+"
WHERE modelid = '"+tf1.getText()+"';";

        Statement st=con.createStatement();

        st.executeUpdate(sql);

        JOptionPane.showMessageDialog(null,"Record updated");  }

    catch(Exception e) {
```
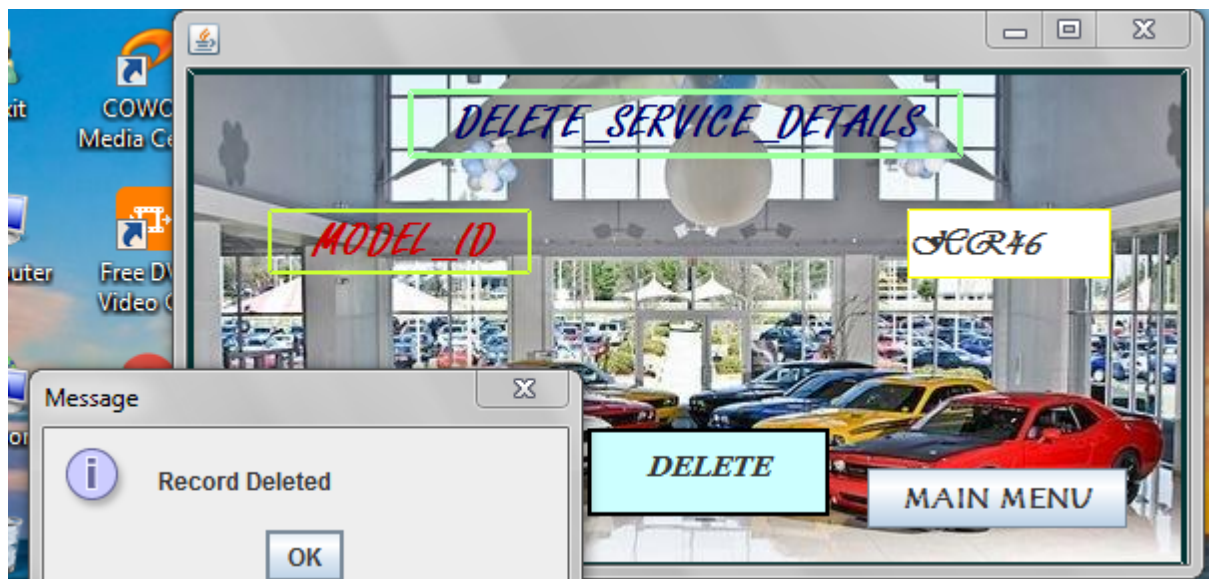
```
        JOptionPane.showMessageDialog(null,"Error"+e.getMessage());  }
```

CODE FOR MAIN MENU BUTTON

```
new mainmenu().setVisible(true);
this.setVisible(false);
```

❖ **DELETE SERVICE DETAILS**

CODE FOR DELETE BUTTON

```
try {

        Class.forName("java.sql.DriverManager");

Connection
con=DriverManager.getConnection("jdbc:mysql://localhost:3306/carsale","roo
t","bls");

String sql = "delete from service where modelid = '"+tf1.getText()+"';";

        Statement st=con.createStatement();

        st.executeUpdate(sql);

        JOptionPane.showMessageDialog(null,"Record Deleted"); }

    catch(Exception e) {
```

JOptionPane.showMessageDialog(null,"Error"+e.getMessage()); }

CODE FOR MAIN MENU BUTTON
new mainmenu().setVisible(true);
this.setVisible(false);

❖ **VIEW SERVICE DETAILS**

CODE FOR VIEW BUTTON
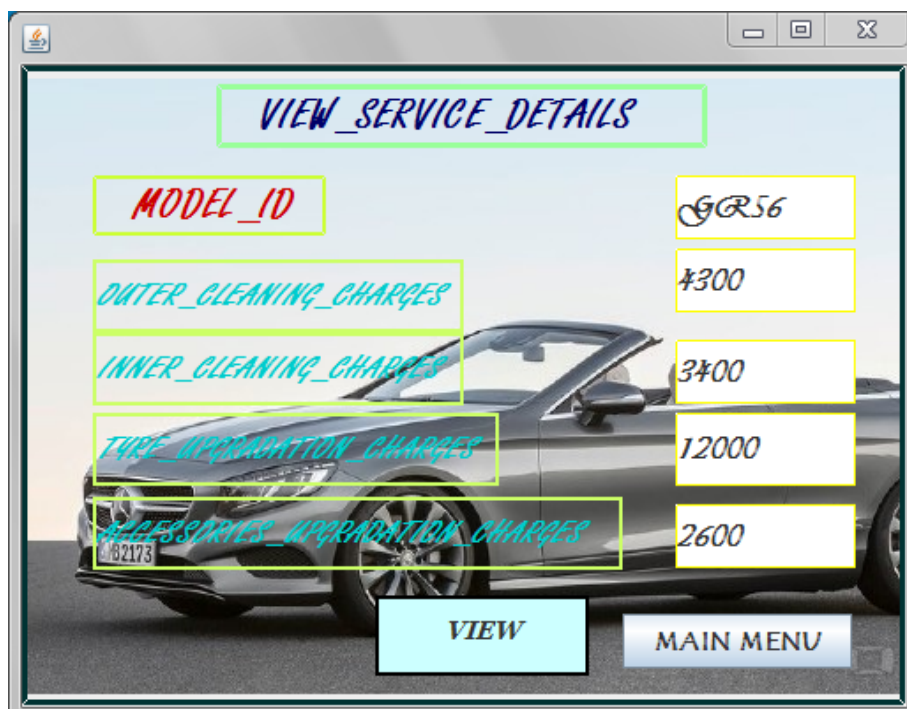
```
try {

        Class.forName("java.sql.DriverManager");

        Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/carsale","root","bl
s");

        String sql = "select * from service where modelid = '"+tf1.getText()+"';";

        Statement st=con.createStatement();

        ResultSet rs=st.executeQuery(sql);
```

```
        if (!rs.next())

                JOptionPane.showMessageDialog(null,"No such record");

        else {

                tf2.setText(rs.getString("ocleaningcharges"));

                tf3.setText(rs.getString("icleaningcharges"));

                tf4.setText(rs.getString("tyreupgcharges"));

            tf5.setText(rs.getString("accupgcharges"));

        }
```

CODE FOR MAIN MENU BUTTON

```
new mainmenu().setVisible(true);

this.setVisible(false);
```

❖ ADD CAR DETAILS
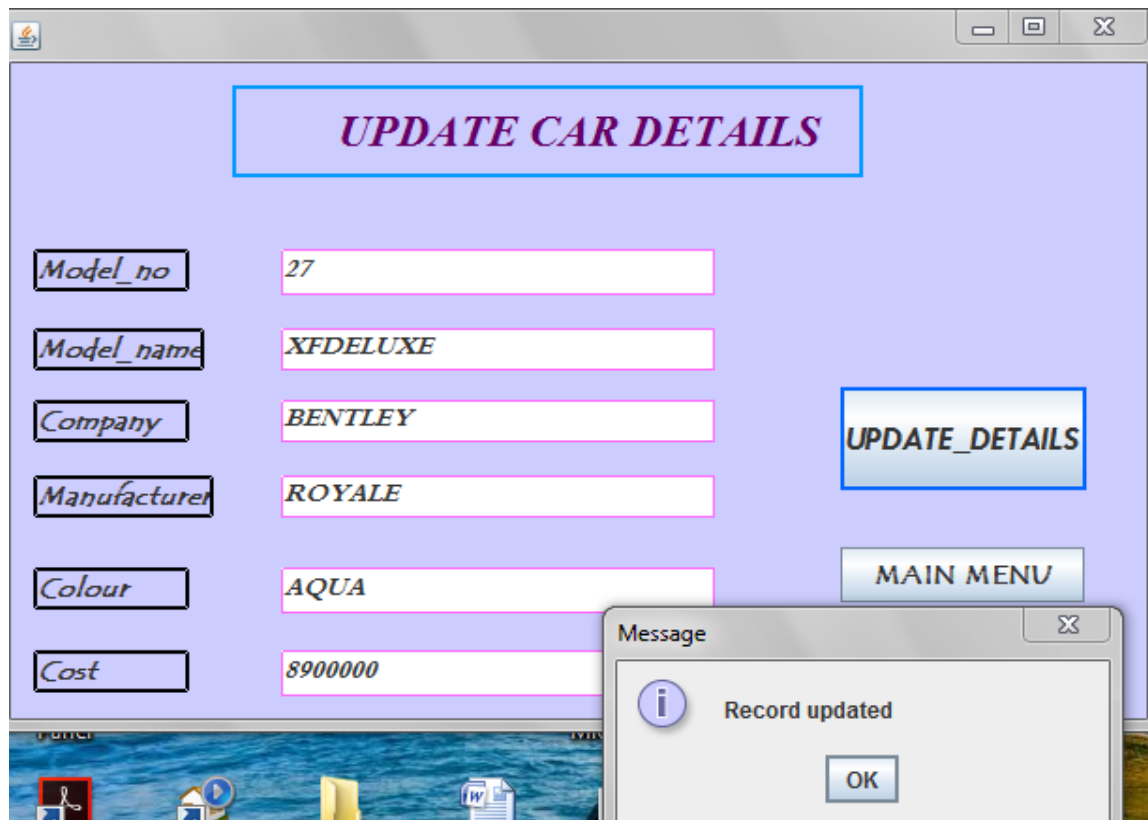
CODE FOR ADD_DETAILS BUTTON

```java
try
{
Class.forName("java.sql.DriverManager");
 String userid= "root";
      String pwd= "bls";
      String db_url = "jdbc:mysql://localhost:3306/carsale";
         Connection con = DriverManager.getConnection(db_url, userid,
pwd);
 String sql = "insert into cardetails
values("+tf1.getText()+",'"+tf2.getText()+"','"+tf3.getText()+"'" +
    ",'"+tf4.getText()+"','"+tf5.getText()+"',"+tf6.getText()+");";
               Statement st=con.createStatement();
               st.executeUpdate(sql);
               JOptionPane.showMessageDialog(null,"Record Saved");}
   catch (Exception
e){JOptionPane.showMessageDialog(null,e.getMessage());}
  }
```

CODE FOR MAIN MENU BUTTON

```java
new mainmenu().setVisible(true);

this.setVisible(false);
```

❖ UPDATE CAR DETAILS

CODE FOR UPDTAE_ DETAILS BUTTON

```
try {
        Class.forName("java.sql.DriverManager");
        Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/carsale","root"
,"bls");
String sql = "UPDATE cardetails SET modelname =
'"+tf2.getText()+"',company = '"+tf3.getText()+"'" +
",manufacture = '"+tf4.getText()+"',colour = '"+tf5.getText()+"',cost =
"+tf6.getText()+" " +
    "WHERE modelno = "+tf1.getText()+";";
        Statement st = con.createStatement();
        st.executeUpdate(sql);
        JOptionPane.showMessageDialog(null,"Record updated");  }
    catch(Exception e) {
    JOptionPane.showMessageDialog(null,"Error"+e.getMessage());
```

CODE FOR MAIN MENU BUTTON

```
new mainmenu().setVisible(true);

this.setVisible(false);
```
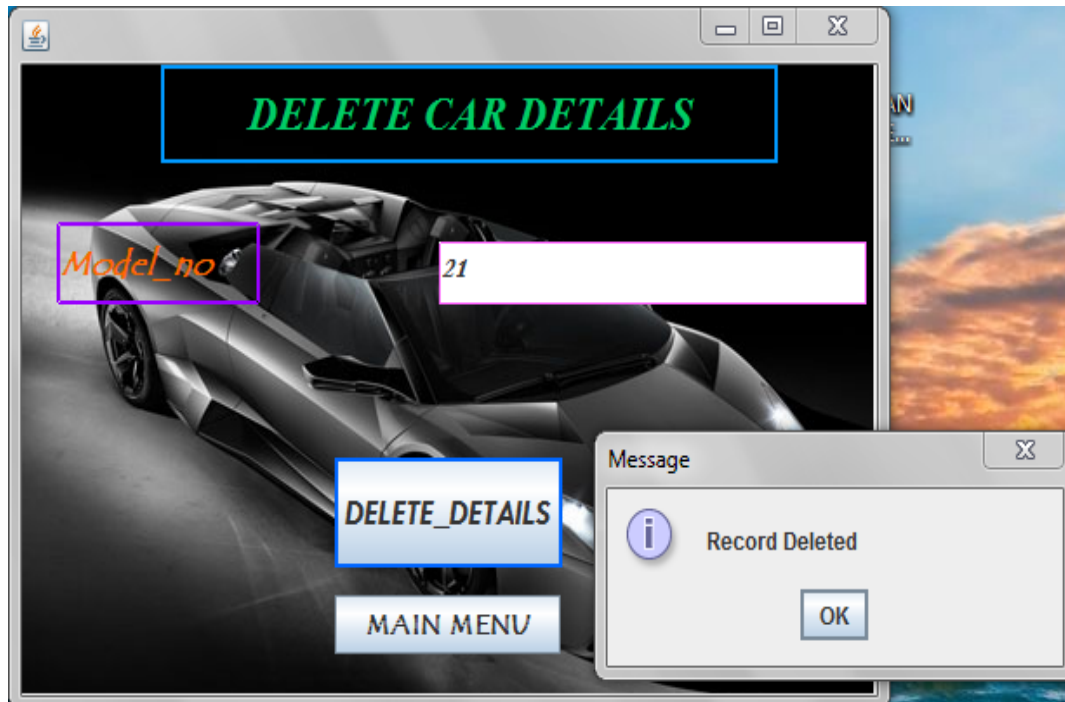
❖ DELETE CAR DETAILS

CODE FOR DELETE BUTTON

```
try {
        Class.forName("java.sql.DriverManager");
Connection
con=DriverManager.getConnection("jdbc:mysql://localhost:3306/carsale","
root","bls");
String sql = "delete from cardetails where modelno = "+tf1.getText()+";";
        Statement st=con.createStatement();
        st.executeUpdate(sql);
        JOptionPane.showMessageDialog(null,"Record Deleted");}
    catch(Exception e) {
      JOptionPane.showMessageDialog(null,"Error"+e.getMessage());}
```

CODE FOR MAIN MENU BUTTON

```
new mainmenu().setVisible(true);

this.setVisible(false);
```

❖ VIEW CAR DETAILS

CODE FOR VIEW BUTTON

```
try {
        Class.forName("java.sql.DriverManager");
        Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/carsale","root"
,"bls");
        String sql = "select * from cardetails where modelno =
"+tf1.getText()+";";
        Statement st=con.createStatement();
        ResultSet rs=st.executeQuery(sql);
        if (!rs.next())
        JOptionPane.showMessageDialog(null,"No such record");
        else {
        tf2.setText(rs.getString("modelname"));
        tf3.setText(rs.getString("company"));
        tf4.setText(rs.getString("manufacture"));
    tf5.setText(rs.getString("colour"));
    tf6.setText(rs.getString("cost"));
      }
```

CODE FOR MAIN MENU BUTTON

```
new mainmenu().setVisible(true);

this.setVisible(false);
```