**Cab Booking System**

**Prepared By -**

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**XII Science**

**Login Form:**

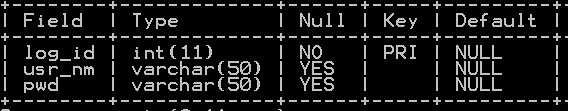
This form will match the user name and password with the values in the login table. If user name and password match with the values in the login table then the login form will be closed and the master form, i.e. frmMDI gets opened. If the user name and password do not match with the values in the login table, then a message dialog box pops up, informing that the user name and password do not match.

If the close button is clicked, then the form gets closed.



**Login Table:**

The user name and password are saved here. If the user name and password values entered by the user match with any of the record currently saved in the table then the login form allows the access to the master form i.e. frmMDI form. The password or user name can be updated by database administrator.



**Main form:**

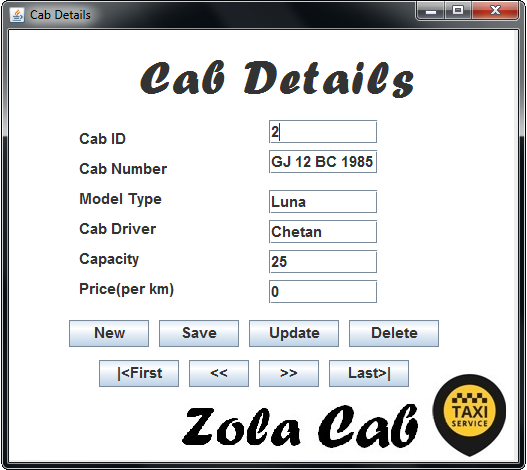
****

The master form is a form through which we can access our entire software program. This form has two menu options. The first menu option, i.e. **Master** contains all the master forms and the second menu option, i.e. **Search** has all the search form which relates with the respective master form. If any menu item from master or search menu option is clicked then that particular form gets opened.

**Cab Details:-**

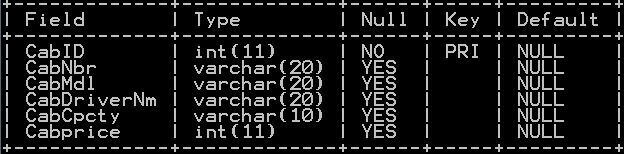
This master form takes the input of Cab (Taxi). Every Cab has a unique ID which is auto-generated and is assigned as a primary key.

We can easily navigate to first, next, last or previous record by clicking on the respective buttons.



**Cab Details Table:**

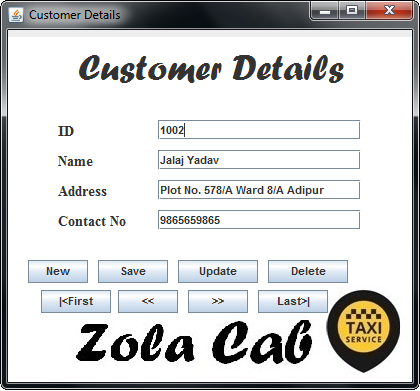
All the values entered with the help of group master form are saved here and any manipulation like deleting or updating value will change the value in this table.

****

**Customer Details:-**

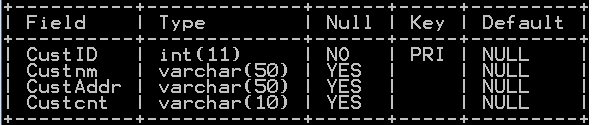
This master form takes the input of Customer name. Every Customer has a unique id which is auto-generated and is assigned as a primary key.

We can easily navigate to first, next, last or previous record by clicking on the respective buttons



**Customer Details Table:**

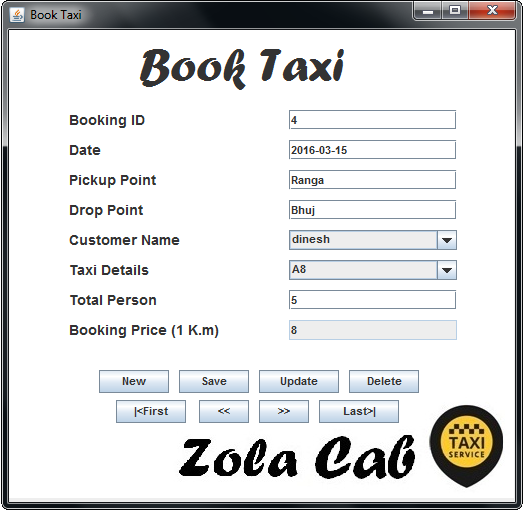
All the values entered with the help of group master form are saved here and any manipulation like deleting or updating value will change the value in this table.

****

**Booking Details:**

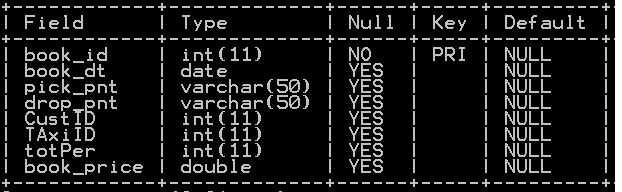
This master form takes the input of Booking Details. Every Booking has a uniqueid which is auto-generated.

From this we can see the customer details about payment and we generate their bills respectively.



**Booking Details Table:**

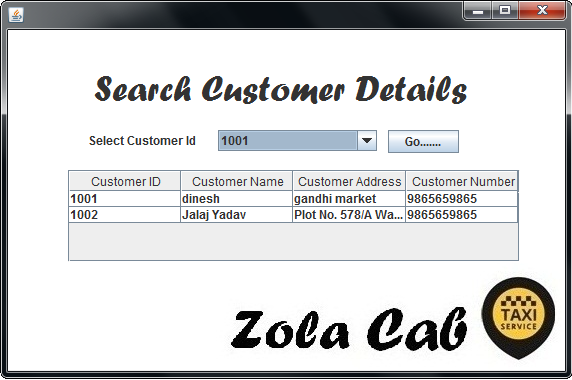
All the values entered are saved here and any manipulation is done here and will change the value in the table here.



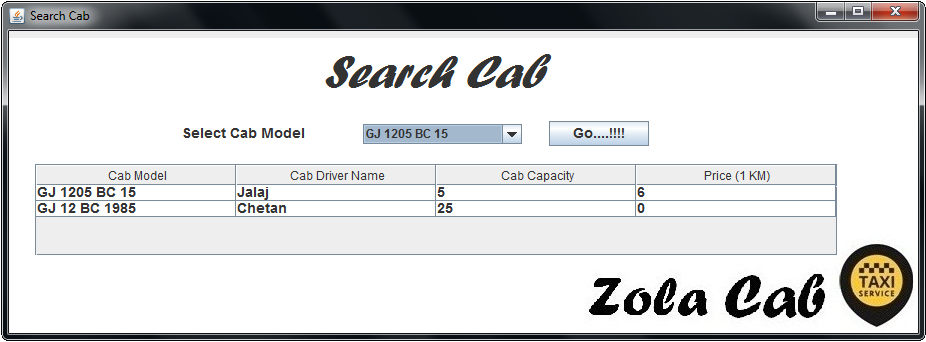
**Search Customer Details:**

Initially on opening this form the details of all the Customers will be loaded in the table control.

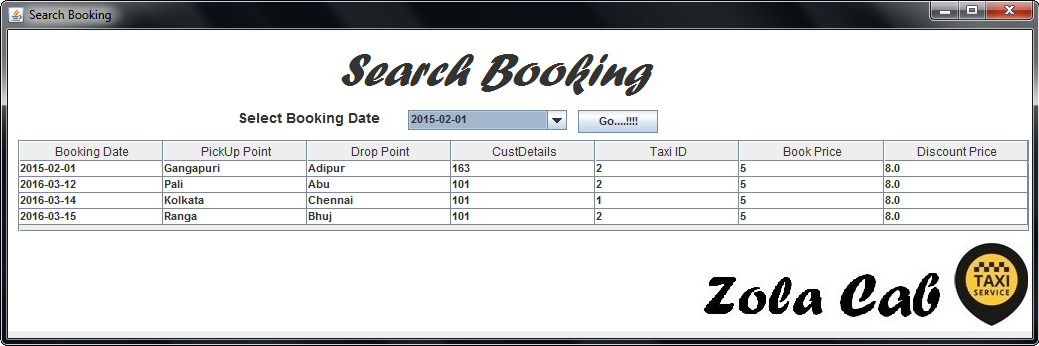
But if we want to view details of a particular customers, we can do so by selecting his/her name from the combo box control and clicking go button.



**Search Cab Details:**

****Initially on opening this form the details of all the Cab will be loaded in the table control. But if we want to view details of a particular cab, we can do so by selecting particular Cab Model from the combo box control and clicking go button.

**Search Booking:**

****Initially on opening this form the details of all the Booking will be loaded in the table control. But if we want to view details of a Booking, we can do so by selecting particular Date of booking from the combo box control and clicking go button.

***Sample Coding***

***Login Form***

***Generated Code:-***

**java.sql.Connection con=null;**

**java.sql.Statement stmt=null;**

**String dr="java.sql.Driver";**

**String url="jdbc:mysql://localhost:3306/CBS";**

**String pwd="a";**

**String usr="root";**

**String qry="";**

**ResultSet rs=null;**

***BUTTON LOGIN:-***

**try {**

**Class.forName(dr);**

**con=DriverManager.getConnection(url, usr, pwd);**

**stmt=con.createStatement();**

**String pass=new String(txt\_pwd.getPassword());**

**qry="select\* from login where usr\_nm='"+txt\_usrnm.getText()+"'and pwd='"+pass+"'";**

**rs=stmt.executeQuery(qry);**

**int rs\_cnt=0;**

**while(rs.next())**

**rs\_cnt++;**

**if(rs\_cnt==0)**

**JOptionPane.showMessageDialog(rootPane, "Invalid username or password..!!!");**

**else if(rs\_cnt==1)**

**{ frmMDI Opn = new frmMDI();**

**Opn.setVisible(true); }**

**else**

**JOptionPane.showMessageDialog(rootPane, "Invalid username or password..!!!");**

**} catch (Exception e) {**

**JOptionPane.showMessageDialog(rootPane, e);**

**}**

***BUTTON CANCEL:-***

**System.exit(0);**

***Form Customer Details:-***

***Generated Code:-***

***java.sql.Connection con=null;***

***java.sql.Statement stmt=null;***

***String dr="java.sql.Driver";***

***String url="jdbc:mysql://localhost:3306/cbs";***

***String pwd="a";***

***String usr="root";***

***String qry=" ";***

***ResultSet rs=null;***

***BUTTON NEW:-***

**txt\_CustID.setText("");**

**txt\_Name.setText("");**

**txt\_Add.setText("");**

**txt\_ContNm.setText("");**

***FORM WINDOWS OPENED:-***

**this.setBounds(200,150,417,382);**

**try {**

**Class.forName(dr);**

**con=DriverManager.getConnection(url, usr, pwd);**

**qry= "select \* from CustDetails";**

**stmt=con.createStatement();**

**rs=stmt.executeQuery(qry);**

**rs.last();**

**txt\_CustID.setText(rs.getInt("CustID")+"");**

**txt\_Name.setText(rs.getString("Custnm")+"");**

**txt\_Add.setText(rs.getString("CustAddr")+"");**

**txt\_ContNm.setText(rs.getString("Custcnt")+"");**

**}**

**catch (Exception e)**

**{ JOptionPane.showConfirmDialog(rootPane, e); }**

***BUTTON INSERT:-***

**try {**

**qry="insert into CustDetails values( "+txt\_CustID.getText()+",'"+txt\_Name.getText()+"' ,'"+txt\_Add.getText()+"','"+txt\_ContNm.getText()+"')";**

**stmt=con.createStatement();**

**stmt.executeUpdate(qry);**

**JOptionPane.showMessageDialog(rootPane, "Record Saved Successfully....!!!!!");**

**qry= "select \* from CustDetails";**

**stmt=con.createStatement();**

**rs=stmt.executeQuery(qry);**

**} catch (Exception e) {**

**JOptionPane.showMessageDialog(rootPane, e);**

**}**

***BUTTON UPDATE:-***

**try {**

**qry="update CustDetails set Custnm='"+txt\_Name.getText()+"', CustAddr= '"+txt\_Add.getText()+"' ,Custcnt= '"+txt\_ContNm.getText()+"'where CustID= "+txt\_CustID.getText();**

**stmt=con.createStatement();**

**stmt.executeUpdate(qry);**

**JOptionPane.showMessageDialog(rootPane, "Record Udated successfully....!!!!!");**

**} catch (Exception e) {**

**JOptionPane.showMessageDialog(rootPane, e);**

**}**

***BUTTON DELETE:-***

**try {**

**qry="delete from CustDetails where custid="+txt\_CustID.getText();**

**stmt=con.createStatement();**

**stmt.executeUpdate(qry);**

**JOptionPane.showMessageDialog(rootPane, "Record Delete successfully....!!!!!");**

**} catch (Exception e) {**

**JOptionPane.showMessageDialog(rootPane, e);**

**}**

***BUTTON FIRST:-***

**try {**

**rs.first();**

**txt\_CustID.setText(rs.getInt("CustID")+"");**

**txt\_Name.setText(rs.getString("Custnm")+"");**

**txt\_Add.setText(rs.getString("CustAddr")+"");**

**txt\_ContNm.setText(rs.getString("Custcnt")+"");**

**} catch (Exception e) {**

**JOptionPane.showMessageDialog(rootPane, e);**

**}**

***BUTTON NEXT:-***

**try {**

**rs.next();**

**txt\_CustID.setText(rs.getInt("CustID")+"");**

**txt\_Name.setText(rs.getString("Custnm")+"");**

**txt\_Add.setText(rs.getString("CustAddr")+"");**

**txt\_ContNm.setText(rs.getString("Custcnt")+"");**

**} catch (Exception e) {**

**JOptionPane.showMessageDialog(rootPane, e);**

**}**

***BUTTON LAST:-***

**try {**

**rs.last();**

**txt\_CustID.setText(rs.getInt("CustID")+"");**

**txt\_Name.setText(rs.getString("Custnm")+"");**

**txt\_Add.setText(rs.getString("CustAddr")+"");**

**txt\_ContNm.setText(rs.getString("Custcnt")+"");**

**} catch (Exception e) {**

**JOptionPane.showMessageDialog(rootPane, e);**

**}**

***BUTTON PREVIOUS:-***

**try {**

**rs.previous();**

**txt\_CustID.setText(rs.getInt("CustID")+"");**

**txt\_Name.setText(rs.getString("Custnm")+"");**

**txt\_Add.setText(rs.getString("CustAddr")+"");**

**txt\_ContNm.setText(rs.getString("Custcnt")+"");**

**} catch (Exception e) {**

**JOptionPane.showMessageDialog(rootPane, e);**

**}**

***FORM Cab Details:-***

***GENERATED CODE:-***

**java.sql.Connection con=null;**

**Statement stmt=null;**

**String dr="java.sql.Driver";**

**String url="jdbc:mysql://localhost:3306/CBS";**

**String usr="root";**

**String pwd="a";**

**String qry="";**

**ResultSet rs=null;**

***BUTTON new-***

**try {**

**txt\_CabID.setText("");**

**txt\_CabNbr.setText("");**

**txt\_Mdl.setText("");**

**t5.setText("");**

**t6.setText("");**

**t4.setText("");**

**} catch (Exception e) {**

**JOptionPane.showConfirmDialog(rootPane, e);**

**}**