

COS106Assignment

by Aung Tun Lin

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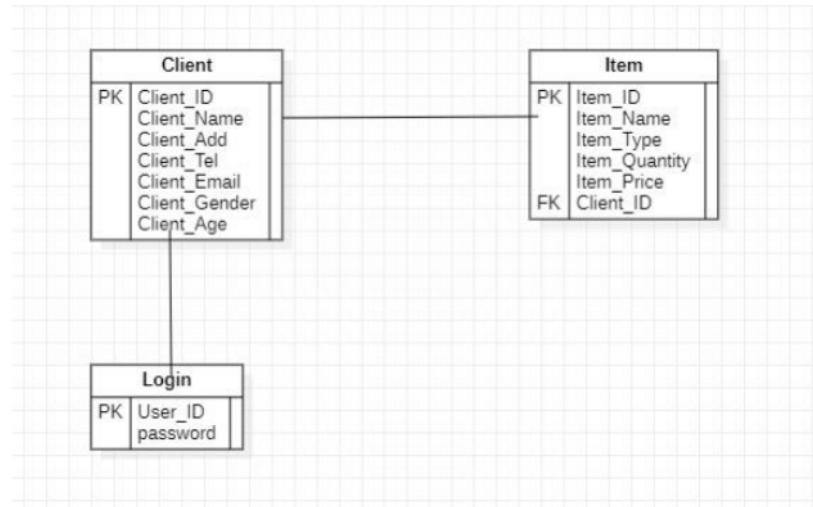
Submission ID: 2016443918

File name: ATLJavaASSIGNMENT.docx (4.55M)

Word count: 258

Character count: 1174

Database Star UML prototype Design



Database Insertion and Creation

```
mysql> show tables;
+-----+
| Tables_in_testdb |
+-----+
| client           |
| comeone          |
| fid              |
| item             |
| missing1         |
| userlogin        |
+-----+
6 rows in set (0.00 sec)

mysql>
```

This snap describe the show tables in which I have created .This snap consists of client ,item, user login and other tables.

```
mysql> use testDB;
Database changed
mysql> desc client;
+-----+-----+-----+-----+-----+-----+
| Field      | Type       | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Client_ID  | varchar(20) | NO   | PRI |          |          |
| Client_Name | varchar(20) | NO   |     |          |          |
| Client_Add  | varchar(25)  | NO   |     |          |          |
| Client_Tel  | int(11)     | NO   |     |          |          |
| Client_Email | varchar(20) | NO   |     |          |          |
| Client_Gender | enum('Male','Female') | YES  |     | NULL    |          |
| Client_Age   | int(11)     | NO   |     |          |          |
+-----+-----+-----+-----+-----+-----+
7 rows in set (0.01 sec)

mysql> ■
```

The name of this databases is testDB which is given in the Assignment question.

The field contain Client ID, Client Name, Client Address, Client Address, Client Telephone, Client Email, Client Gender, and the client Age show in this snap. The primary key is also used for client ID.

```

mysql> desc item;
+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| Item_ID | varchar(20) | NO | PRI | NULL |
| Item_Name | varchar(20) | NO | | NULL |
| Item_Type | varchar(20) | NO | | NULL |
| Item_Quantity | int(11) | NO | | NULL |
| Item_Price | double(16,4) | NO | | NULL |
| Client_ID | varchar(20) | NO | MUL | NULL |
+-----+-----+-----+-----+-----+
6 rows in set (0.01 sec)

mysql>

```

This snap consists of description of Item with its datatype where client ID is given as a foreign key which is taken from above table

```

mysql> desc userlogin;
+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| user_ID | varchar(20) | NO | PRI | NULL |
| password | varchar(20) | NO | | NULL |
+-----+-----+-----+-----+-----+

```

The above snap shows the user login table with password along with it.

```

mysql> select * from client;
+-----+-----+-----+-----+-----+-----+-----+-----+
| Client_ID | Client_Name | Client_Add | Client_Tel | Client_Email | Client_Gender | Client_Age |
+-----+-----+-----+-----+-----+-----+-----+-----+
| C0078 | pyae | ygn | 987456123 | mail | Female | 22 |
| c0079 | test1 | yangon | 99563214 | misis | Female | 45 |
| c0080 | tiha | yangon | 98899 | ph@gmail.com | Female | 12 |
| C0085 | Young | Mandalay | 7854621 | phme@gmail.com | Female | 41 |
| C0086 | hilok | ygn | 987456123 | mail | Male | 22 |
| C0087 | miss | ffa | 889 | fadg | Male | 78 |
+-----+-----+-----+-----+-----+-----+-----+
6 rows in set (0.00 sec)

mysql> .

```

1
This is the table row name for the table client.

```
mysql> select * from item;
+-----+-----+-----+-----+-----+-----+
| Item_ID | Item_Name | Item_Type | Item_Quantity | Item_Price | Client_ID |
+-----+-----+-----+-----+-----+-----+
| I0078   | house    | deco      |        45 | 45.0000 | c0078   |
| I0079   | room     | deco      |        45 | 45.0000 | c0078   |
| I0079   | house    | deco      |        45 | 45.0000 | c0078   |
| I0080   | house    | deco      |        45 | 45.0000 | c0079   |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

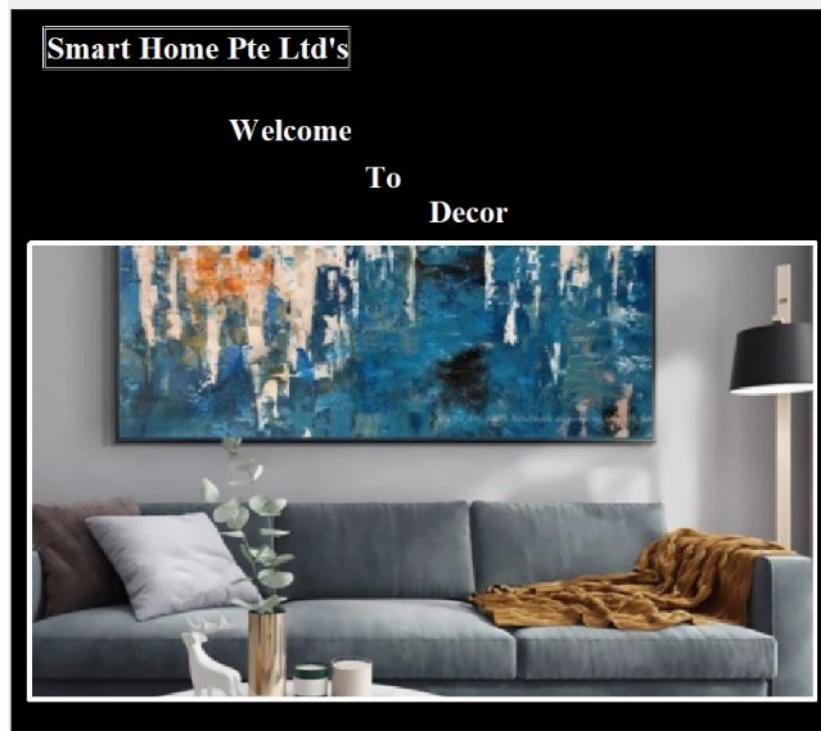
mysql>
```

1 This is the table row name for the table item.

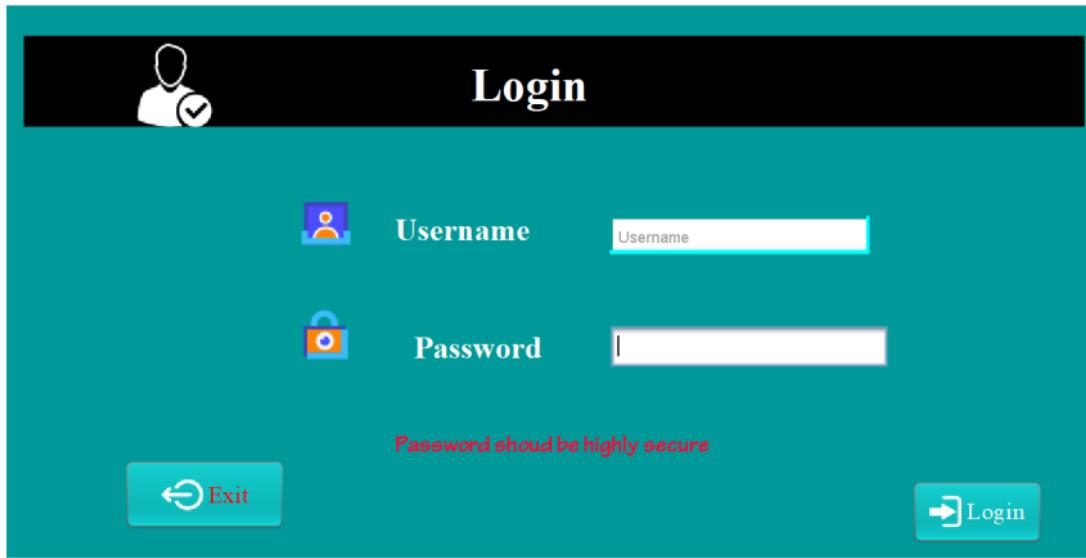
```
mysql> select * from userlogin;
+-----+-----+
| user_ID | password |
+-----+-----+
| cat     | 54321    |
| Kaung   | Q7895@124$fg |
| Mouse   | 78945    |
| Pyae    | 753159   |
| willie  | 89456    |
| Zingster | Qwsed123@ |
+-----+-----+
6 rows in set (0.00 sec)
```

1 This is the table row name for the table user login.

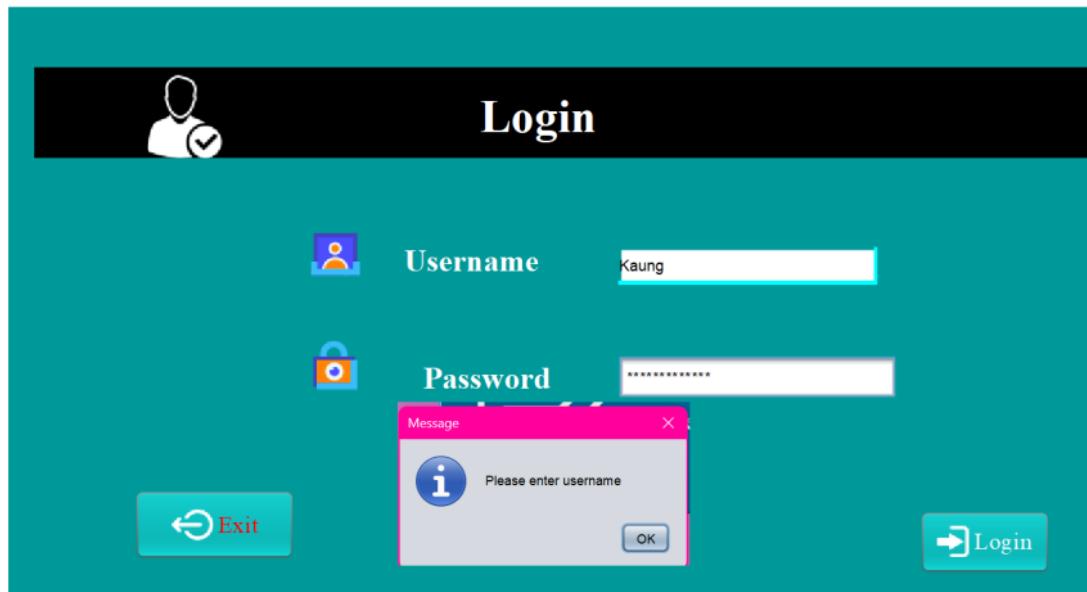
GUI and Its Functions



This is the home page for the smart Home Pte LTD's. In this GUI java application model consist of smart home for client and the item and Admin.



This is the user frame in which the admin has to enter his/her username the password to enter the admin page. Highly secure password must use for its security



```

// TODO add your handling code here:
if(validateLogin()){
if(lengthCheck()){
    if(Character.isUpperCase(txtpasswd.getText().charAt(0))){
        if(checkSpecialCharacter()){
            login();
        }
        else{
            JOptionPane.showMessageDialog(this,"character must need");
        }
    }
    else{
        JOptionPane.showMessageDialog(this,"uppercase must need");
    }
}
else{
    JOptionPane.showMessageDialog(this,"the password is bw 8 and 15");
}

//verfication of credentials
public void login(){
    String user =txtuser.getText();
    String pass= txtpasswd.getText();

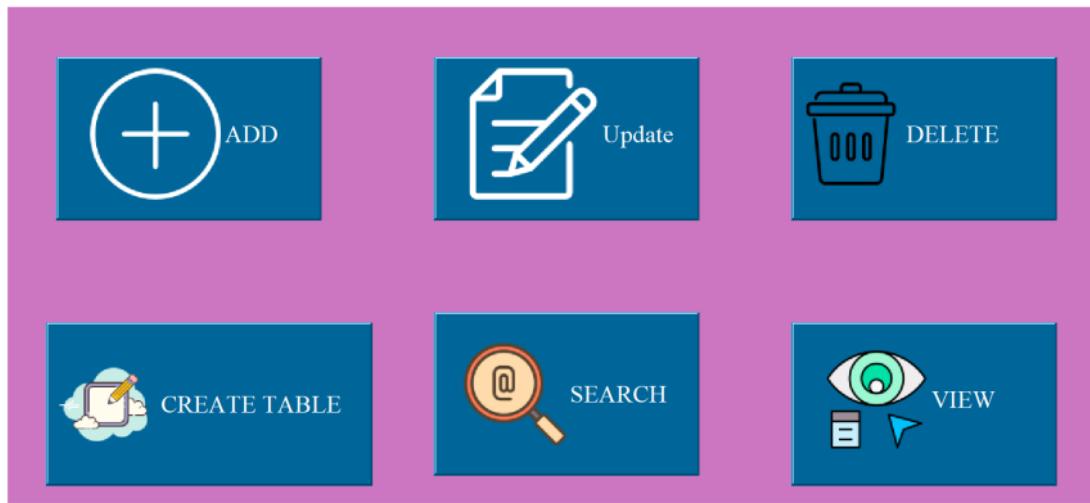
    try{
        String url="jdbc:mysql://localhost:3306/testdb";
        String driver="com.mysql.jdbc.Driver";
        String username="root";
        String password="root";
        PreparedStatement pst =con.prepareStatement("Select * from userLogin where user_ID =? and
        pst.setString(1,user);
        pst.setString(2,pass);

        Class.forName(driver);
        con = DriverManager.getConnection(url,username,password);
        stmt = con.createStatement();

        rs=stmt.executeQuery("Select * from userlogin where user_ID ='"+txtuser.getText()+"' and pa

```

This is the coding page is for password validation.



This is welcome page

```
}

private void jLabel2MouseEntered(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
    Color clr=new Color(0,51,51);
    addpanel1.setBackground(clr);
}

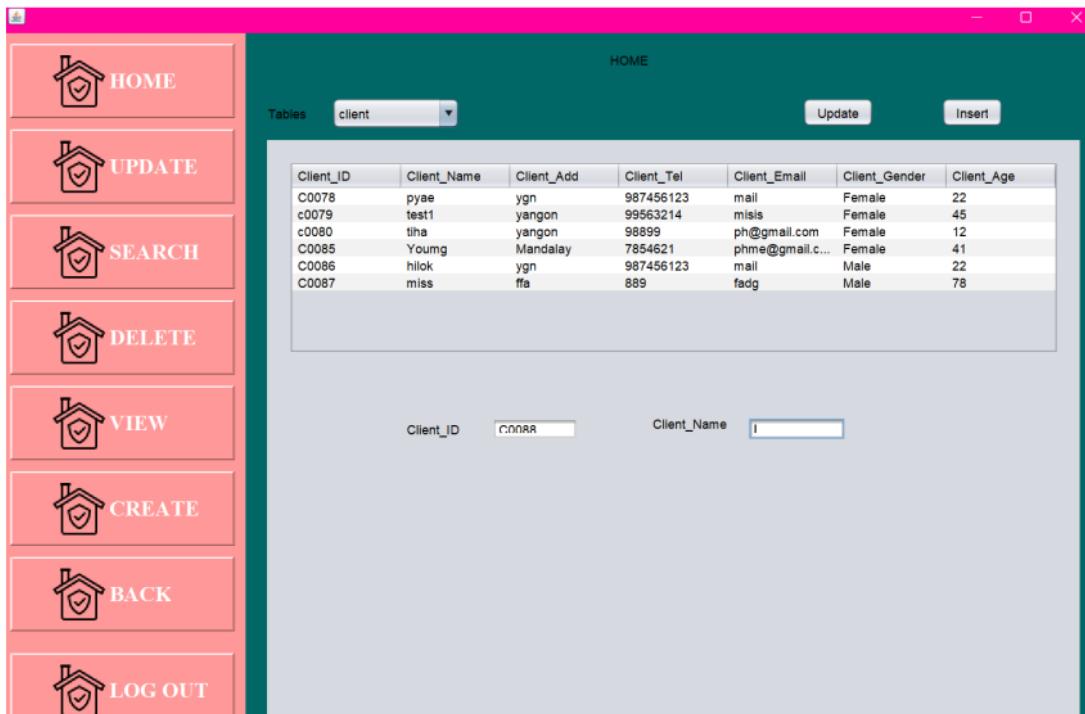
private void jLabel2MouseExited(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
    Color clr=new Color(0,102,153);
    addpanel1.setBackground(clr);
}

private void jLabel3MouseEntered(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
    Color clr=new Color(0,51,51);
    addpanel2.setBackground(clr);
}

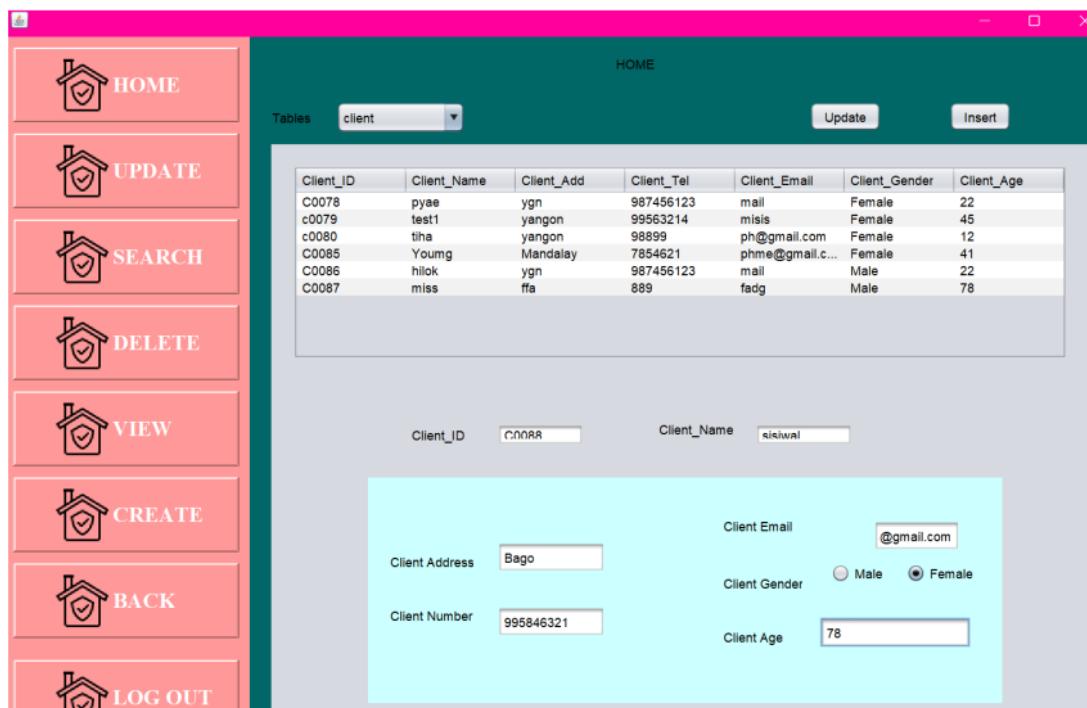
private void jLabel3MouseExited(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
    Color clr=new Color(0,102,153);
    addpanel2.setBackground(clr);
}

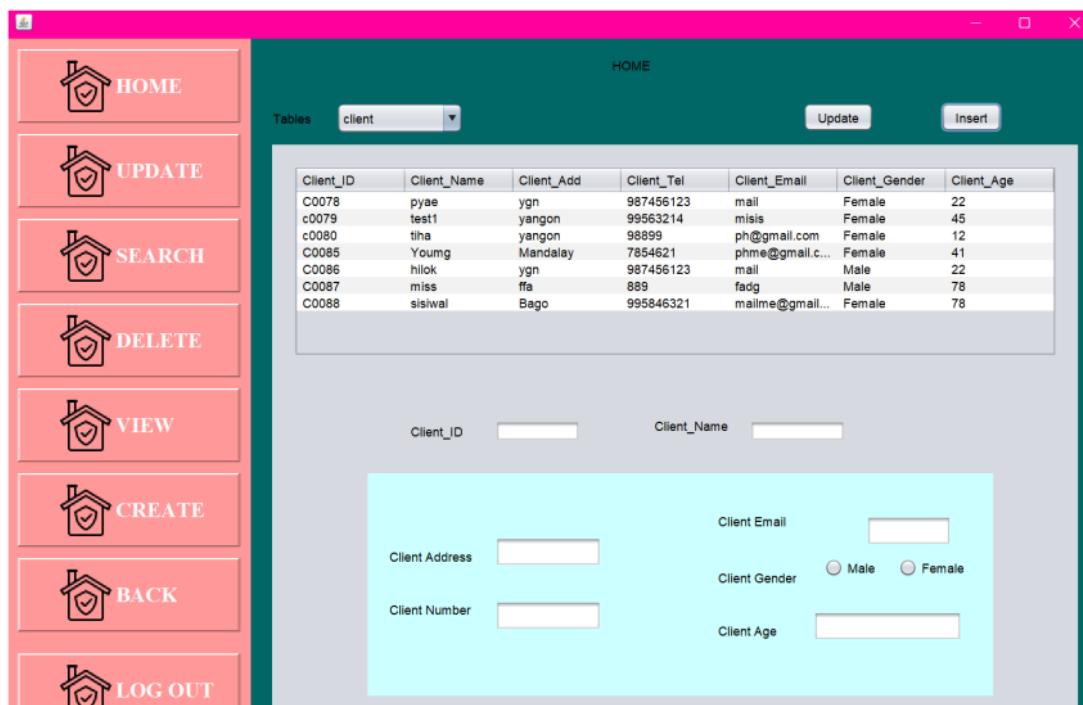
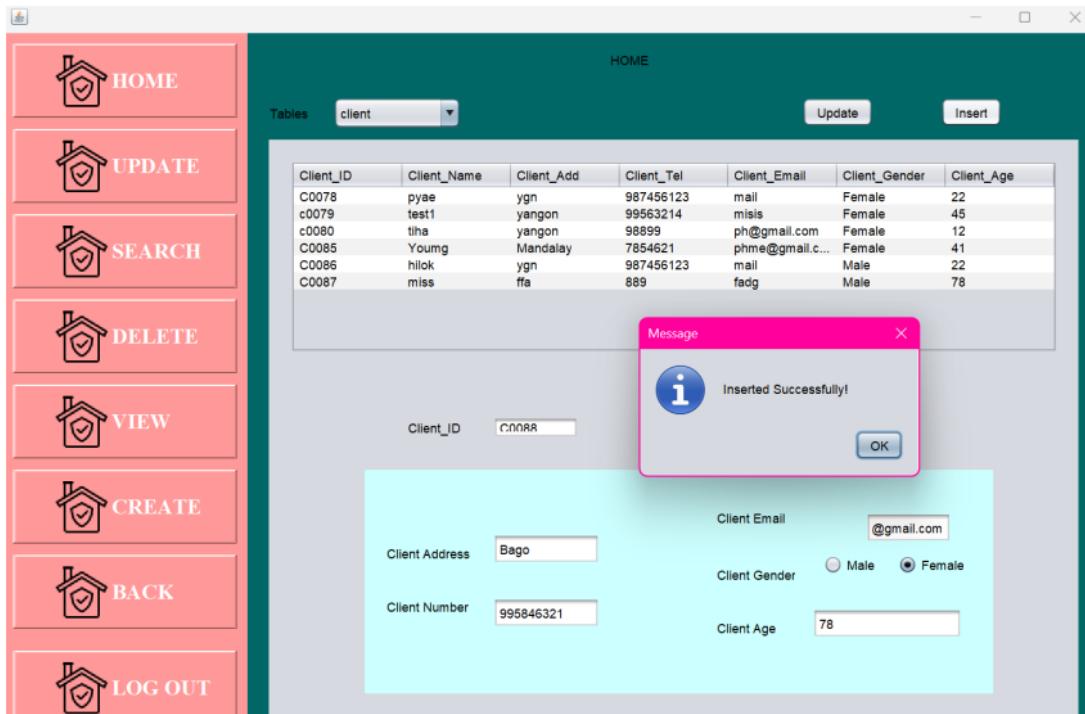
private void jLabel4MouseEntered(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
    Color clr=new Color(0,51,51).
```

This is welcome coding

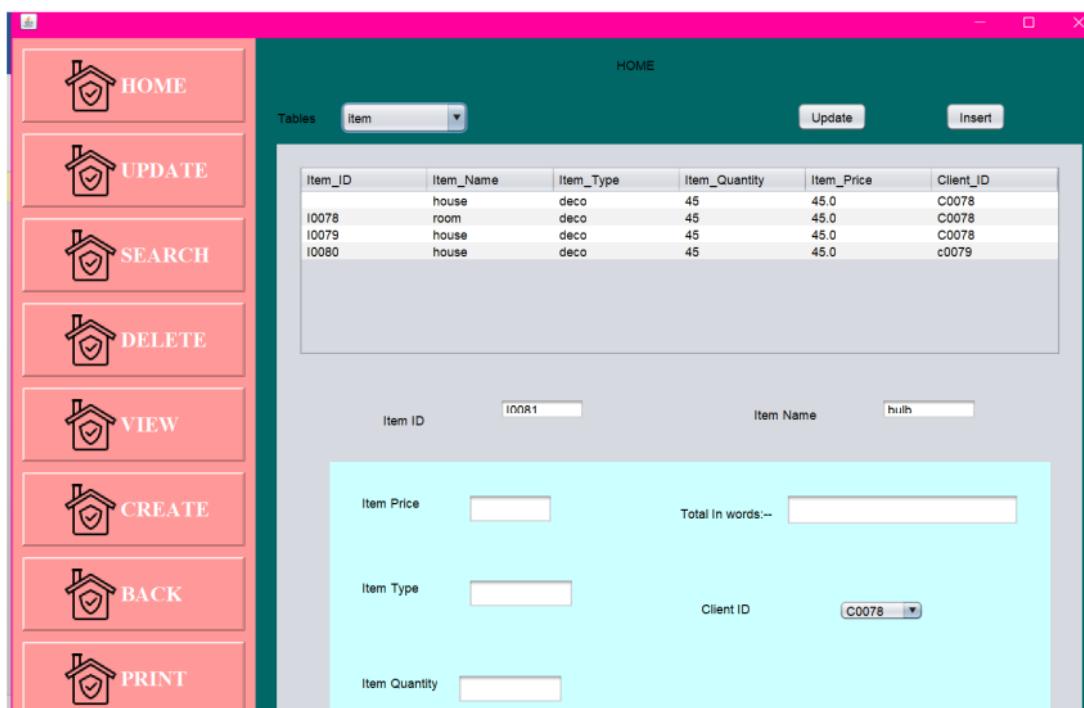
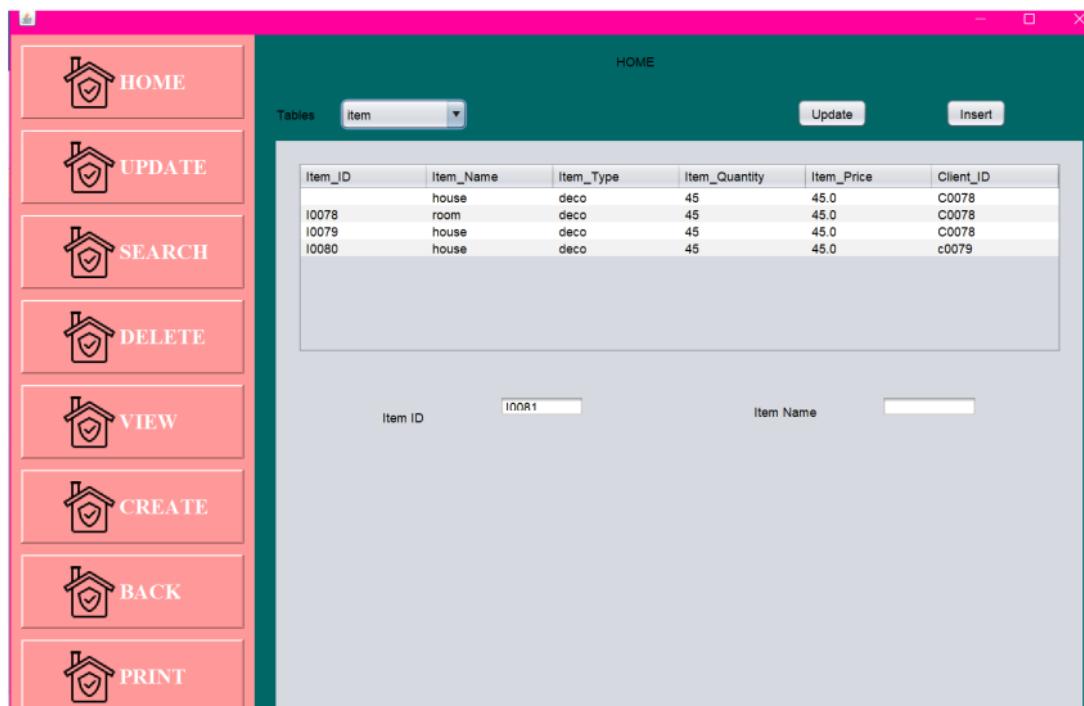


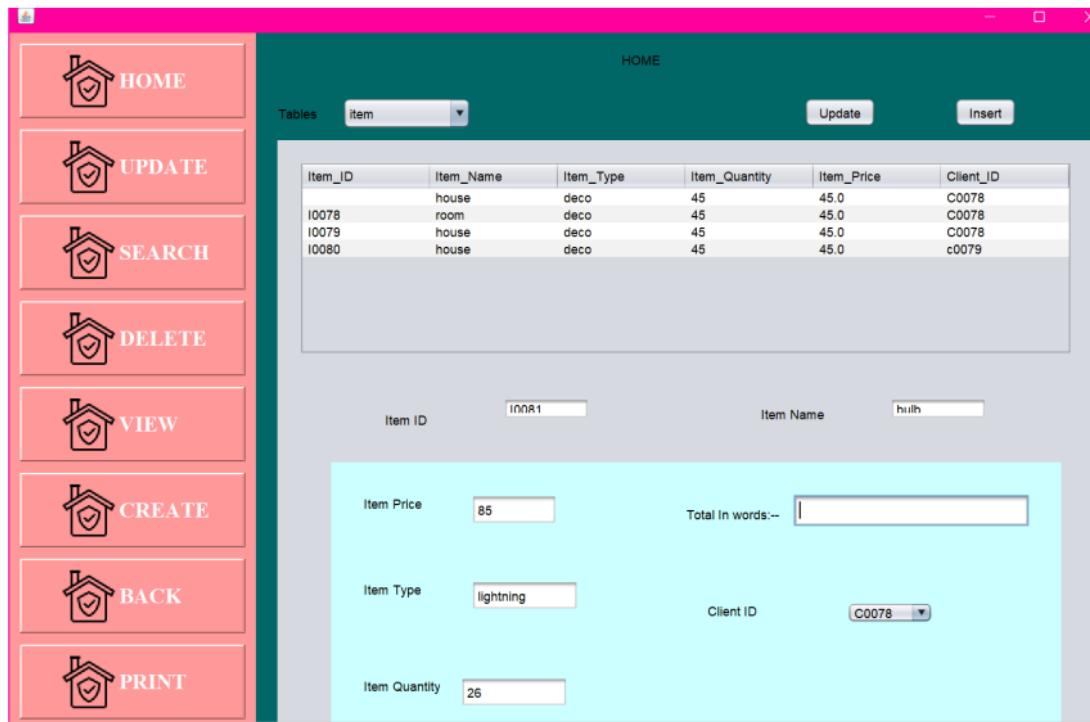
After you click the Add button it will take it to its ADD, Update, Search ,Delete, View table



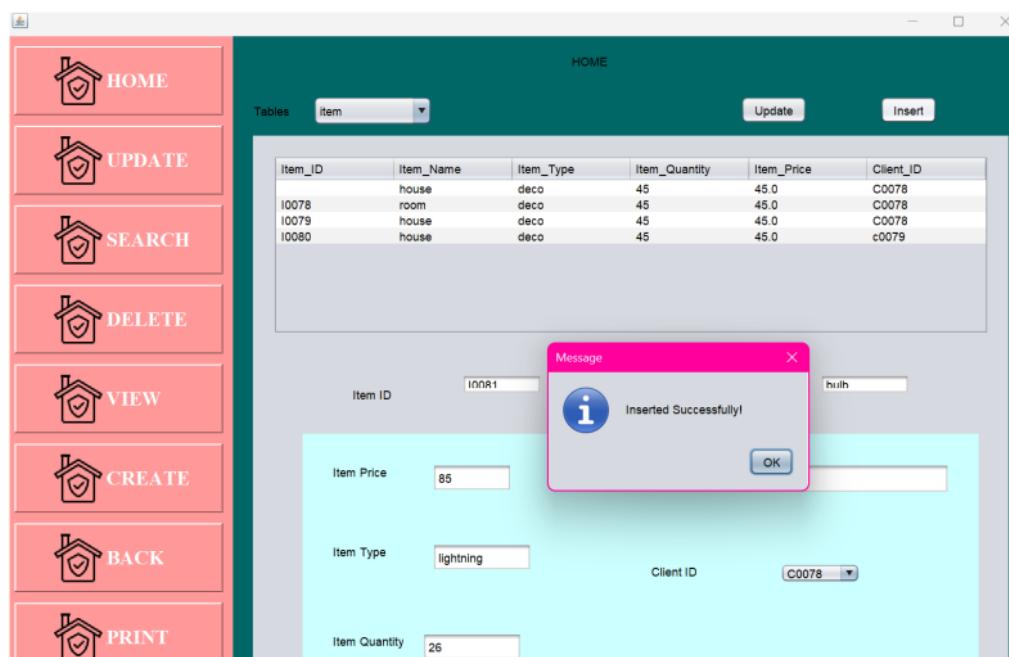


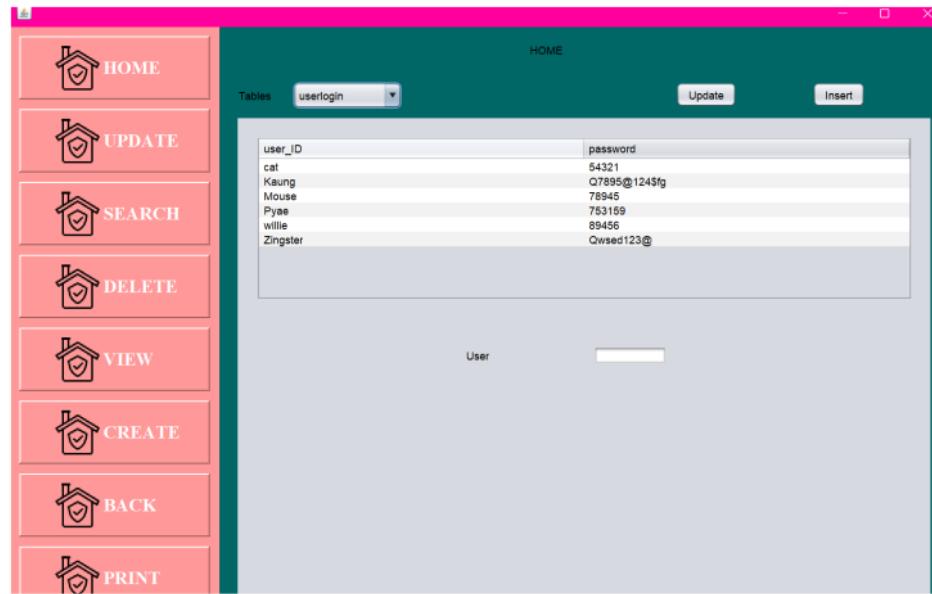
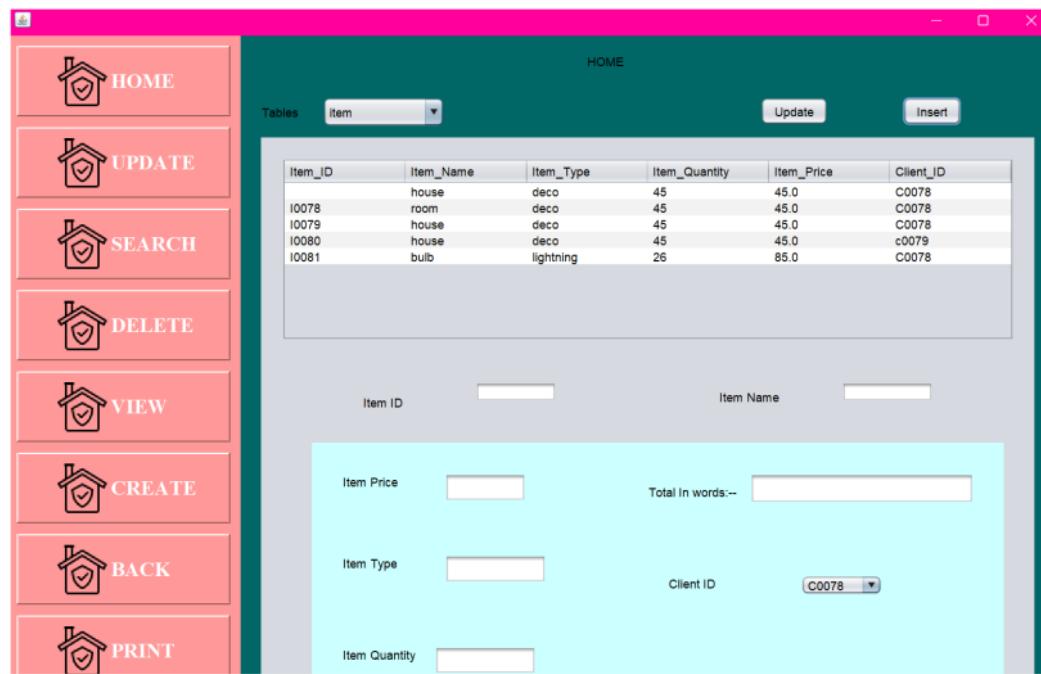
The above all is about client table insetation.

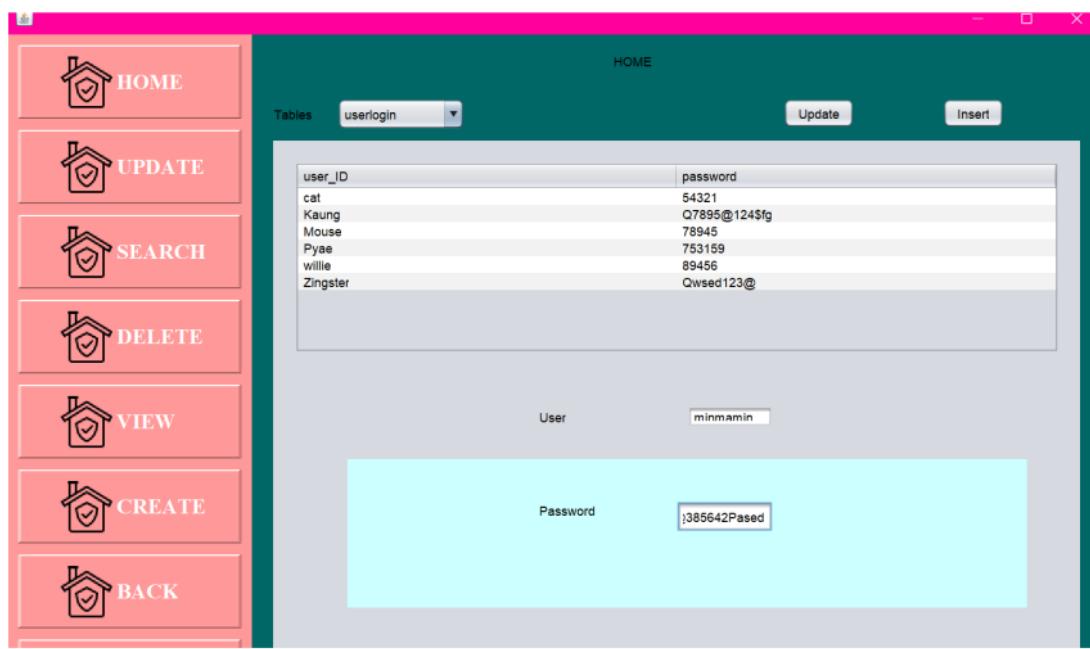
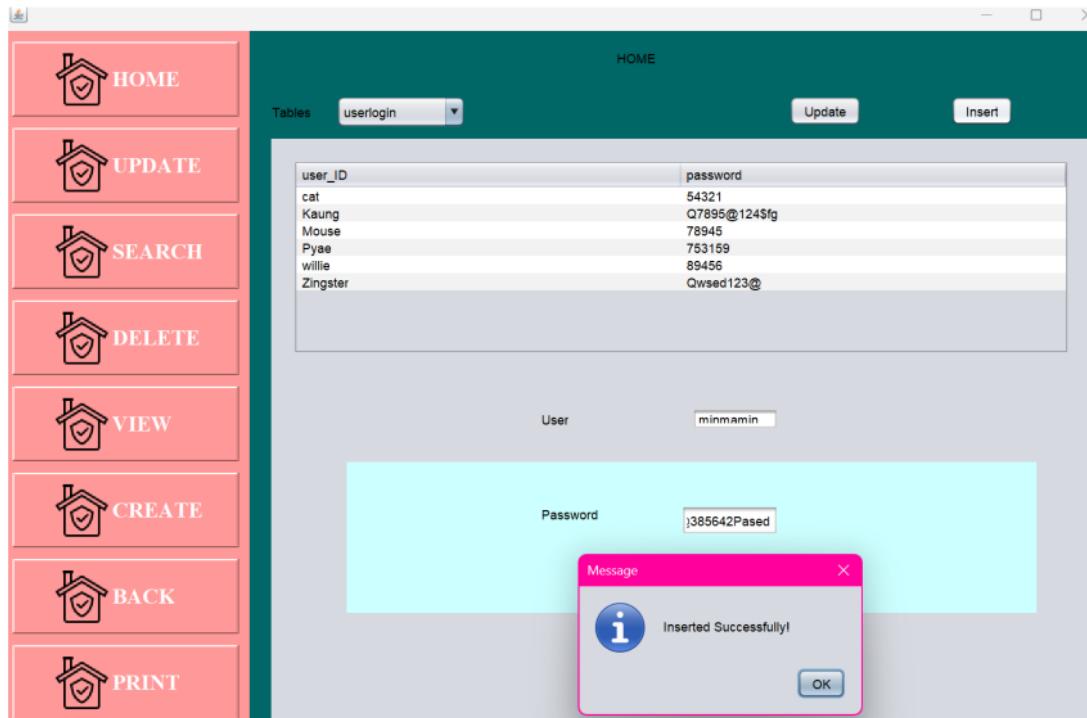




This item table insertion







HOME

Tables userlogin

user_ID	password
cat	54321
Kaung	Q7895@124\$fg
minnamin	@385642Pased
Mouse	78945
Pyae	753159
willie	89456
Zingster	Qwsed123@

User

Password

VIEW

CREATE

BACK

HOME

Tables client

Client_ID	Client_Name	Client_Add	Client_Tel	Client_Email	Client_Gender	Client_Age
C0078	pyae	ygn	987456123	mail	Female	22
c0079	test1	yangon	99563214	misis	Female	45
c0080	tiba	yangon	98899	ph@gmail.com	Female	12
C0085	Young	Mandalay	7854621	phme@gmail.c...	Female	41
C0086	hilok	ygn	987456123	mail	Male	22
C0087	miss	ffa	889	fadg	Male	78
C0088	sisiwal	Bago	995846321	mailme@gmail...	Female	78
C0089	kzhhein	pyl	99563214	kzhhein@gmail...	Female	85

Client_ID Client_Name

HOME

UPDATE

SEARCH

DELETE

VIEW

CREATE

BACK

LOG OUT

Tables **client** Update Insert

Client_ID	Client_Name	Client_Add	Client_Tel	Client_Email	Client_Gender	Client_Age
C0078	pyae	ygn	987456123	mail	Female	22
c0079	test1	yangon	99563214	misis	Female	45
c0080	tilha	yangon	98899	ph@gmail.com	Female	12
C0085	Young	Mandalay	7854621	phme@gmail.c...	Female	41
C0086	hilok	ygn	987456123	mail	Male	22
C0087	miss	ffa	889	fadg	Male	78
C0088	sisiwal	Bago	995846321	mailme@gmail...	Female	78
C0089	kzhhein	pyl	99563214	kzhhein@gmail...	Female	85

Client_ID: C0087 Client_Name: miss

Client Email: fadg
Client Address: ffa
Client Number: 889
Client Gender: Male
Client Age: 78

HOME

UPDATE

SEARCH

DELETE

VIEW

CREATE

BACK

LOG OUT

Tables **client** Update Insert

Message updated Successfully!

Client_ID	Client_Name	Client_Gender	Client_Age
C0078	pyae	Female	22
c0079	test1	Female	45
c0080	tilha	Female	12
C0085	Young	Female	41
C0086	hilok	Male	22
C0087	miss	Male	78
C0088	sisiwal	Female	78
C0089	kzhhein	Female	85

Client_ID: C0087 Client_Name: Michael

Client Email: kijahfo
Client Address: gragR
Client Number: 758
Client Gender: Male
Client Age: 78

HOME

Tables

Client_ID	Client_Name	Client_Add	Client_Tel	Client_Email	Client_Gender	Client_Age
C0078	pyae	ygn	987456123	mail	Female	22
c0079	test1	yangon	99563214	misis	Female	45
c0080	tiha	yangon	98899	ph@gmail.com	Female	12
C0085	Younmg	Mandalay	7854621	phme@gmail.c...	Female	41
C0086	hilok	ygn	987456123	mail	Male	22
C0087	Mlachel	gragR	758	kijiahfo	Male	78
C0088	sisiwal	Bago	995846321	mailme@gmail...	Female	78
C0089	kzhhein	pyi	99563214	kzhhein@gmai...	Female	85

HOME

Tables

Item_ID	Item_Name	Item_Type	Item_Quantity	Item_Price	Client_ID
I0078	house	deco	45	45.0	C0078
I0079	room	deco	45	45.0	C0078
I0080	house	deco			c0079
I0081	bulb	lightning			C0078
I0082	mat	floor			C0089

Message

i updated Successfully!

OK

Item ID: Item Name:

Item Price: Total in words--:

Item Type: Client ID:

Item Quantity:

HOME

Tables Update Insert

Item_ID	Item_Name	Item_Type	Item_Quantity	Item_Price	Client_ID
I0078	house	deco	45	45.0	C0078
I0079	room	deco	45	45.0	C0078
I0080	house	deco	45	45.0	C0078
I0080	kaungsett	table	78	75.0	C0087
I0081	bulb	lightning	26	85.0	C0078
I0082	mat	floor	96	25.0	C0089

HOME

Tables Update Insert

user_ID	password
cat	54321
Kaung	Q7895@124\$fg
kzh	Pose@89542
minmamin	@385642Pased
Mouse	78945
Pyae	753159
willie	89456
Zingster	Qwsed123@

User

Password

Message

updated Successfully!

The screenshot shows a database application window titled "HOME". On the left is a sidebar with four buttons: "HOME", "UPDATE", "SEARCH", and "DELETE", each with a house icon. The main area displays a table named "userlogin". The table has two columns: "user_ID" and "password". The data is as follows:

user_ID	password
cat	54321
Kaung	Q7895@124\$fg
kzh	Pose@89542
minmamin	@385642Pased
Mouse	78945
Pyae	753159
willie	89456
Zingster	minster@34856

Buttons for "Update" and "Insert" are located at the top right.

The screenshot shows a database application window titled "HOME". On the left is a sidebar with six buttons: "HOME", "UPDATE", "SEARCH", "DELETE", "VIEW", and "CREATE", each with a house icon. The main area displays a table named "Client". The table has seven columns: Client_ID, Client_..., Client_A..., Client_Tel, Client_E..., Client_..., and Client_... (partially visible). The data is as follows:

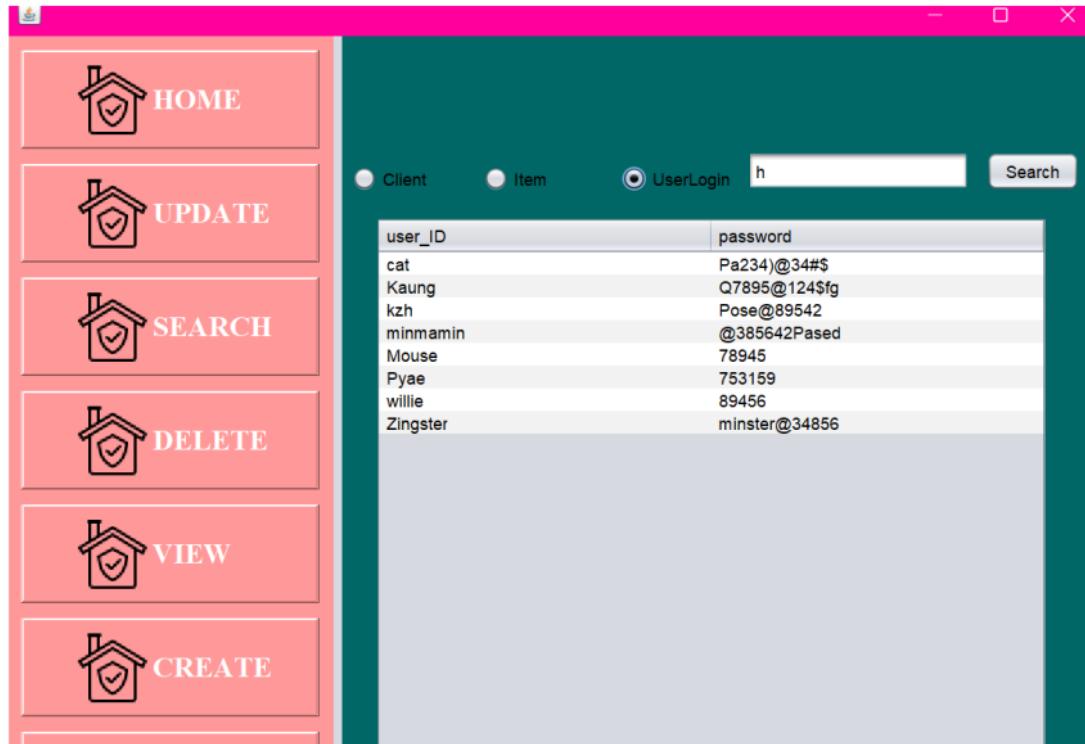
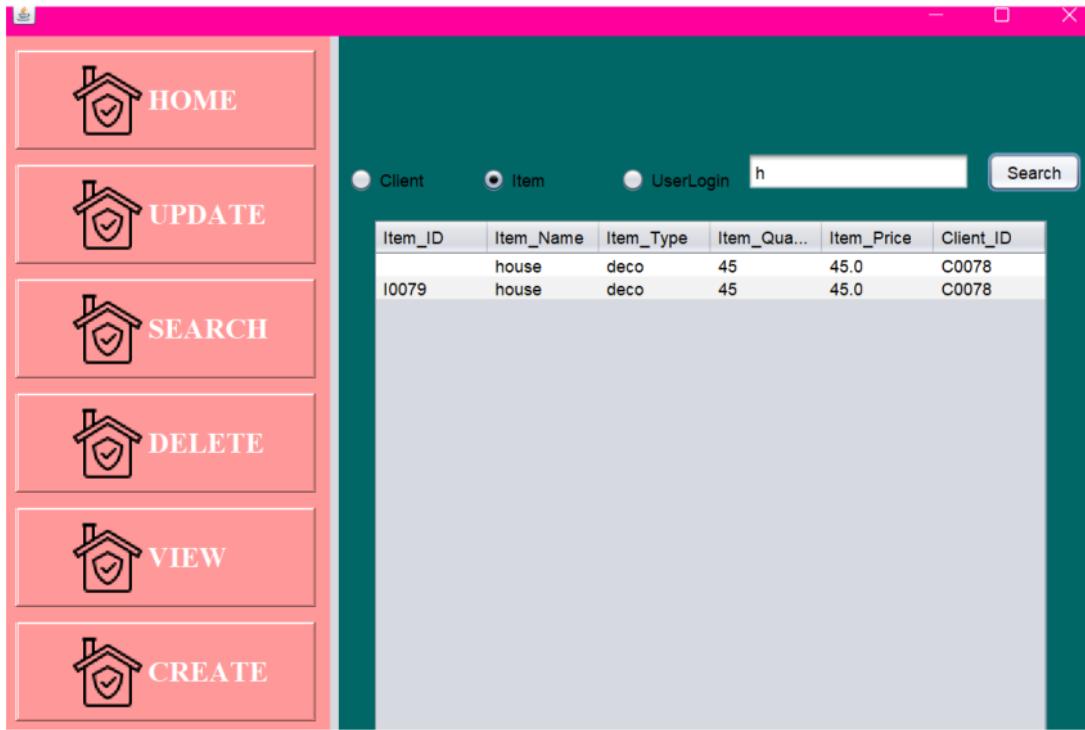
Client_ID	Client_...	Client_A...	Client_Tel	Client_E...	Client_...	Client_...
C0078	pyae	ygn	987456...	mail	Female	22
c0079	test1	yangon	99563214	misis	Female	45
c0080	owagy	Hiwell	456321	phme@...	Female	25
C0085	Young	Mandalay	7854621	phme@...	Female	41
C0086	hilok	ygn	987456...	mail	Male	22
C0087	Miachel	gragR	758	Kijahfo	Male	78
C0088	ssiwal	Bago	995846...	mailme...	Female	78
C0089	kzhhein	pyl	99563214	kzhhein...	Female	85

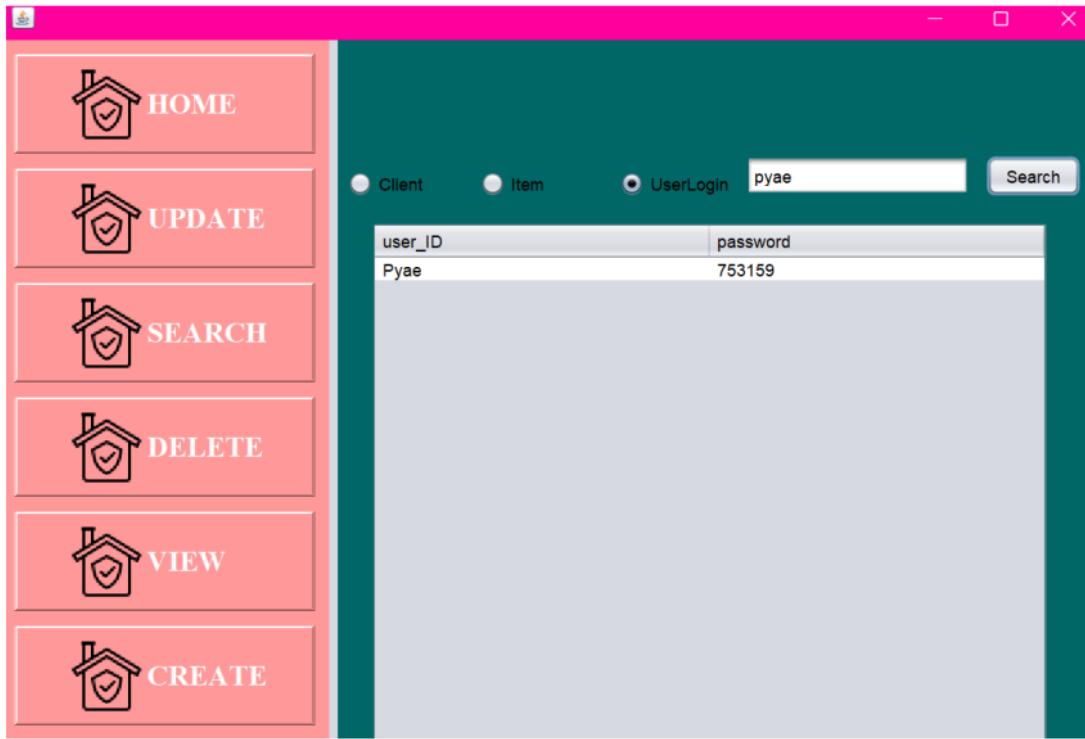
Radio buttons for "Client", "Item", and "UserLogin" are at the top left, and a "Search" button is at the top right.

The screenshot shows a software application window. On the left, there is a vertical sidebar with seven items, each featuring a house icon with a shield and a checkmark, followed by text: HOME, UPDATE, SEARCH, DELETE, VIEW, CREATE, and BACK. The background of the sidebar is light red. To the right of the sidebar is a main window with a dark teal header. The header contains three radio buttons labeled Client, Item, and UserLogin, followed by a search input field with placeholder text 't' and a Search button. Below the header is a table with columns: Client_ID, Client_..., Client_A..., Client_Tel, Client_E..., Client_..., and Client_... . A single row of data is visible: c0079, test1, yangon, 99563214, misis, Female, 45.

This screenshot shows the same software application as the first one, but with a different selection in the sidebar. The 'Item' radio button is selected, indicated by a blue circle. The main window displays a table of item data. The columns are: Item_ID, Item_Name, Item_Type, Item_Qua..., Item_Price, and Client_ID. The data rows are:

Item_ID	Item_Name	Item_Type	Item_Qua...	Item_Price	Client_ID
I0078	house	deco	45	45.0	C0078
I0079	room	deco	45	45.0	C0078
I0079	house	deco	45	45.0	C0078
I0080	kaungsett	table	78	75.0	C0087
I0081	cover	ikosi	56	895.0	C0088
I0082	mat	floor	96	25.0	C0089

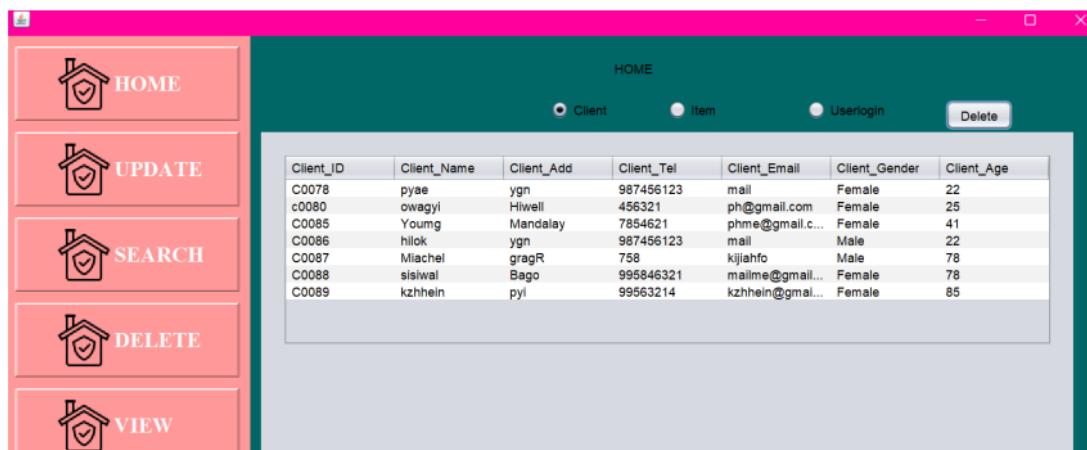
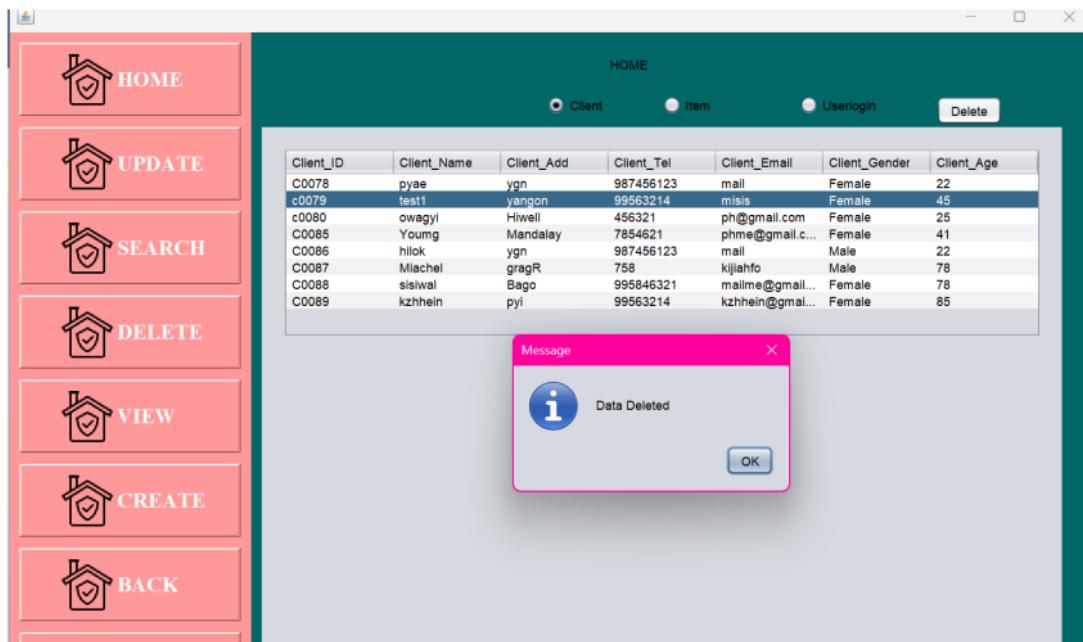


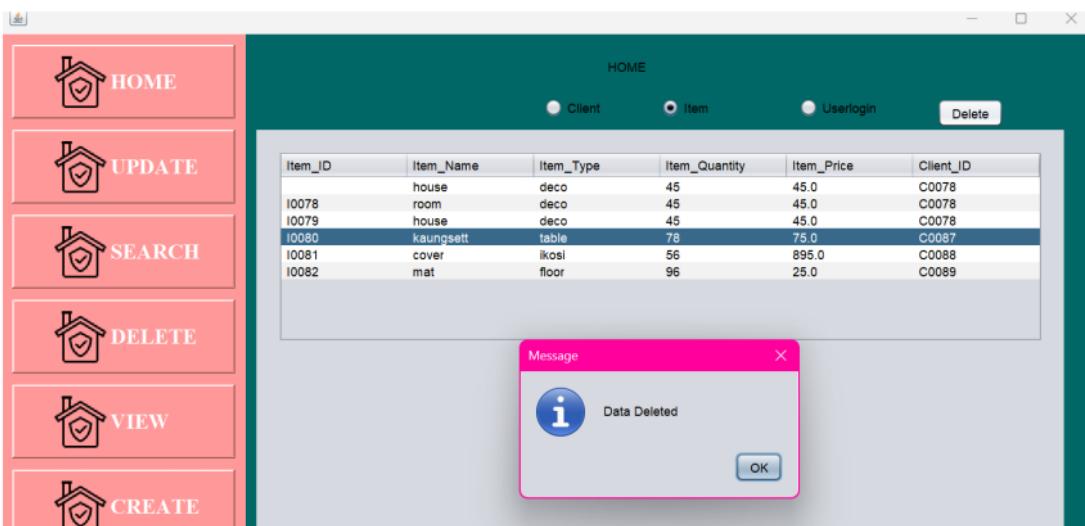
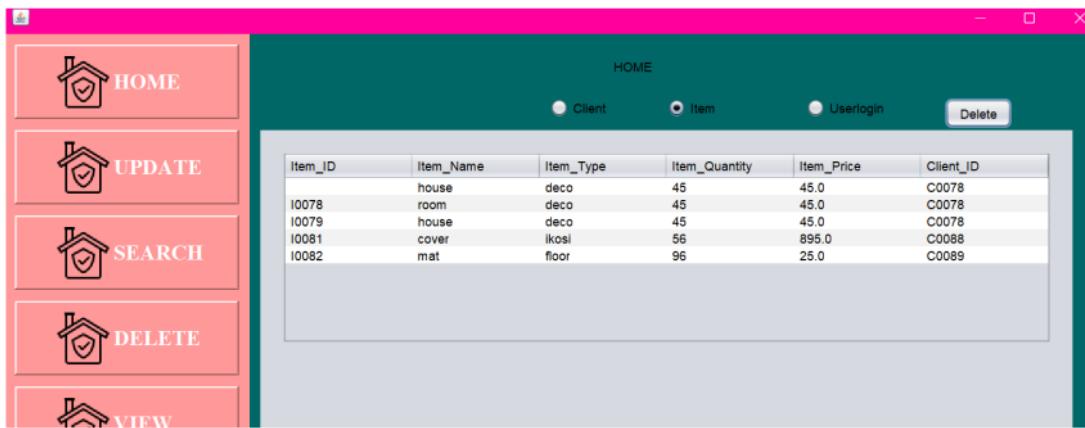


The screenshot shows a software interface with a dark teal header bar. In the top right corner, there are window control buttons (minimize, maximize, close). Below them are three radio buttons labeled "Client", "Item", and "Userlogin". The "Client" radio button is selected. To the right of the radio buttons is a "Delete" button. The main area displays a table titled "HOME" with the following data:

Client_ID	Client_Name	Client_Add	Client_Tel	Client_Email	Client_Gender	Client_Age
C0078	pyae	ygn	987456123	mail	Female	22
c0079	test1	yangon	99563214	misis	Female	45
c0080	owagyl	Hiwell	456321	ph@gmail.com	Female	25
C0085	Young	Mandalay	7854621	phme@gmail.c...	Female	41
C0086	hilok	ygn	987456123	mail	Male	22
C0087	Miachel	gragR	758	kijahfo	Male	78
C0088	sisiwal	Bago	995846321	mailme@gmail...	Female	78
C0089	kzhhlein	pyl	99563214	kzhhlein@gmail...	Female	85

On the left side of the application, there is a vertical navigation menu with a pink background. It features eight items, each with a house icon and a checkmark: "HOME", "UPDATE", "SEARCH", "DELETE", "VIEW", "CREATE", "BACK", and "PRINT".





HOME

Client Item Userlogin

user_ID	password
cat	Pa234)@34#\$\$
Kaung	Q7895@124\$fg
kzh	Pose@89542
minmamin	@385642Pased
Pyae	753159
willie	89456
Zingster	minster@34856

TABLE NAME NO. OF COLUMNS

COLUMN NAME 1 DATA TYPE NULL PRIMARY KEY

COLUMN NAME 2 DATA TYPE NULL PRIMARY ...

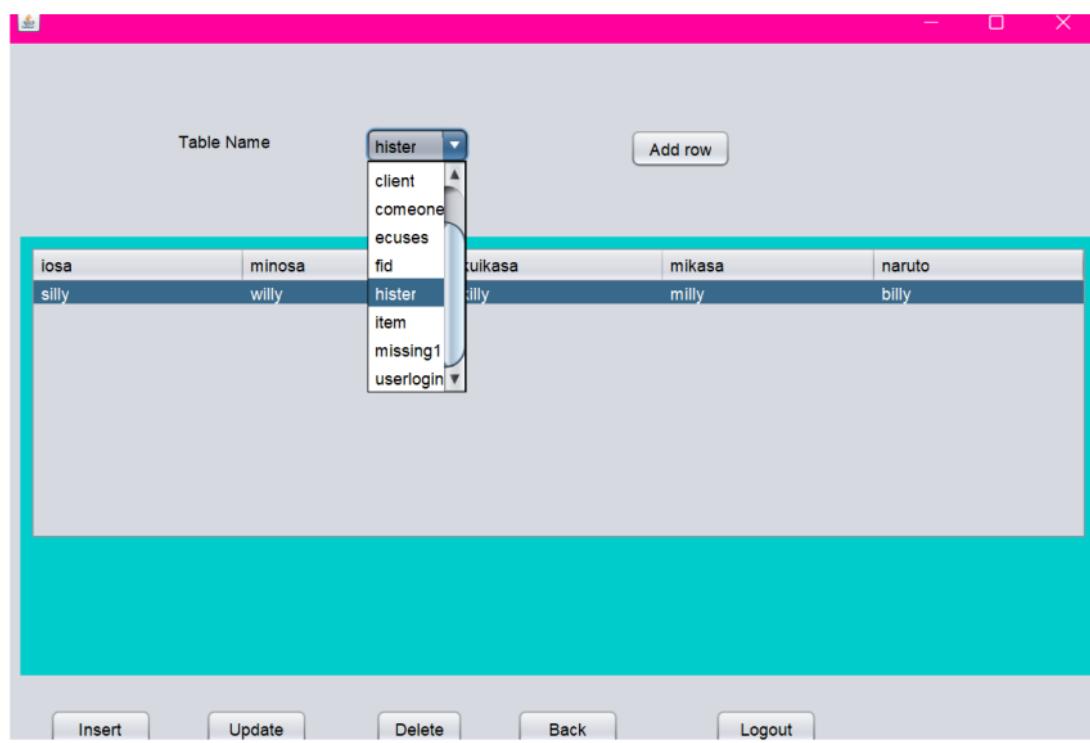
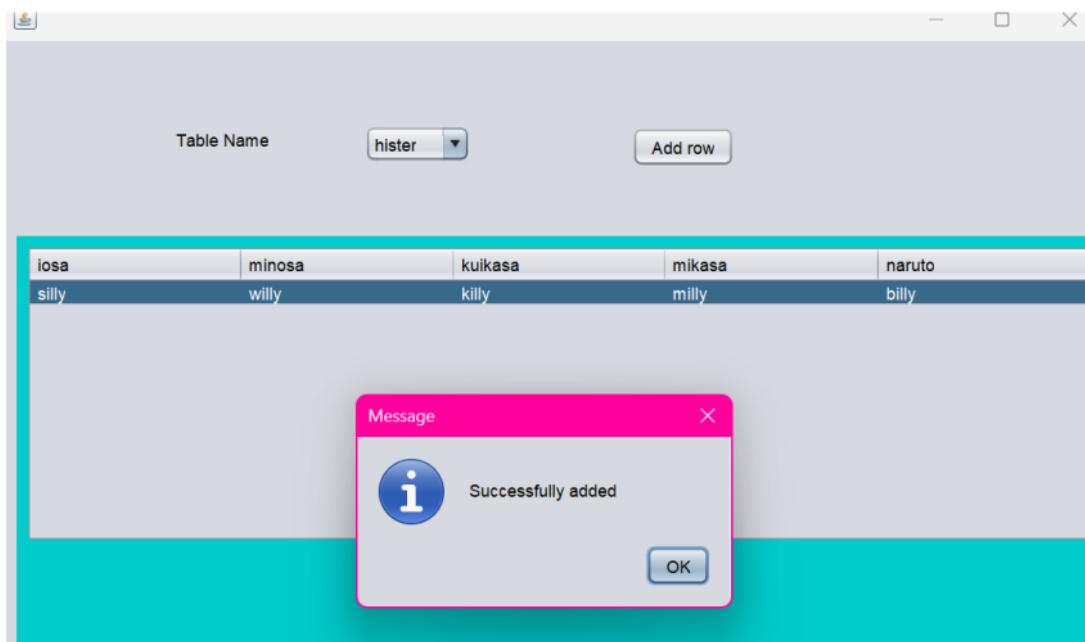
COLUMN NAME 3 DATA TYPE NULL PRIMARY KEY

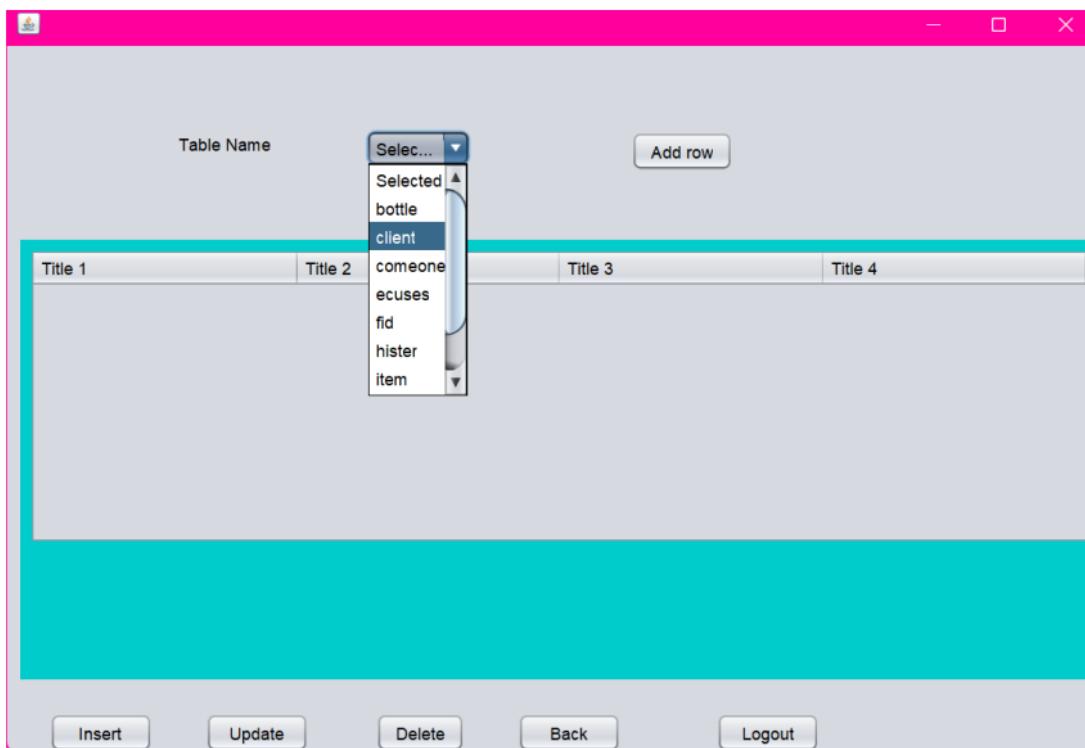
COLUMN NAME 4 DATA TYPE NULL PRIMARY ...

COLUMN NAME 5 DATA TYPE NULL PRIM

Message X

i Congratulations for successful table built!

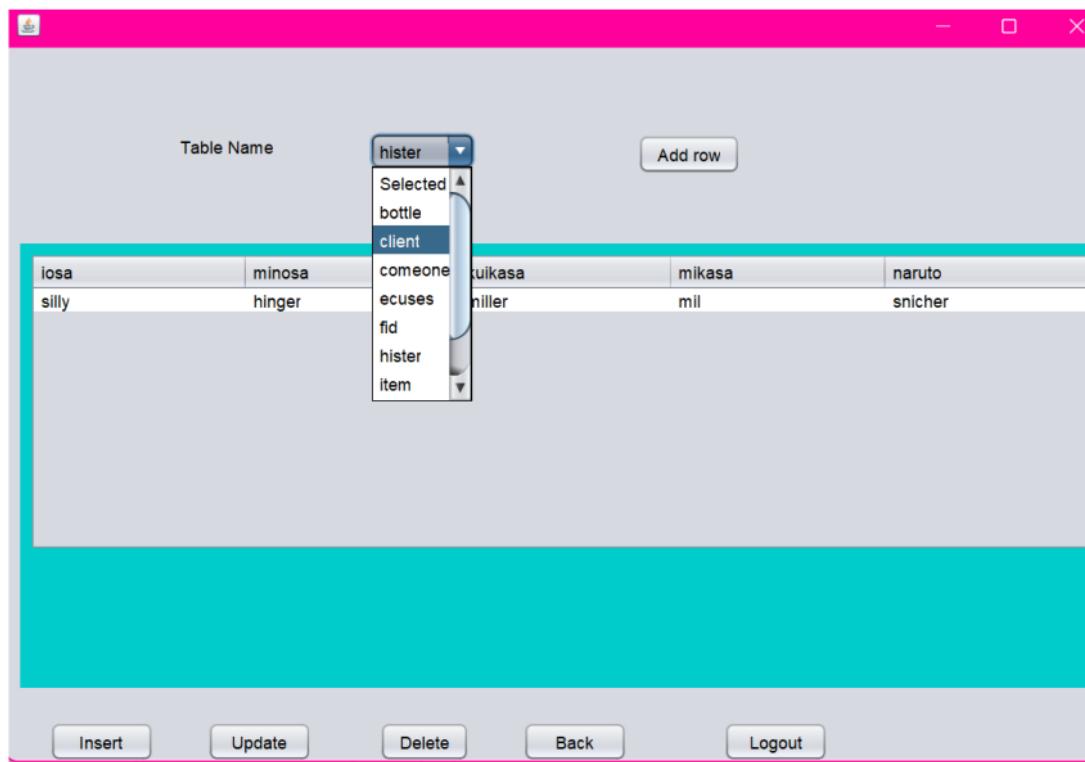
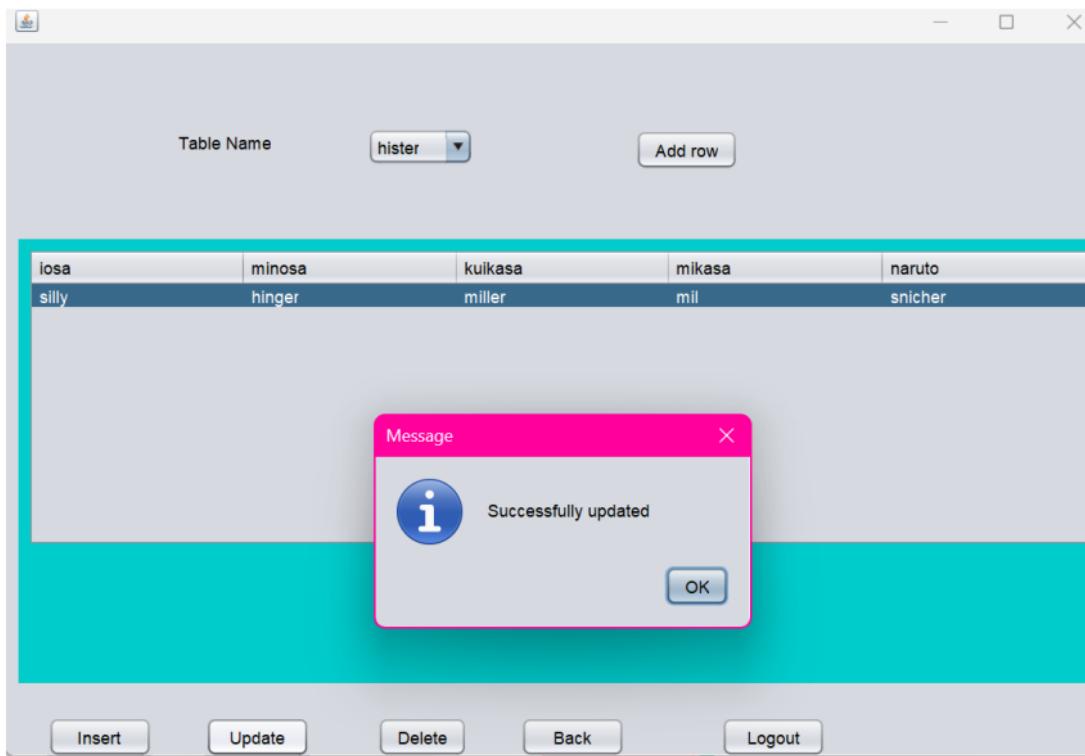


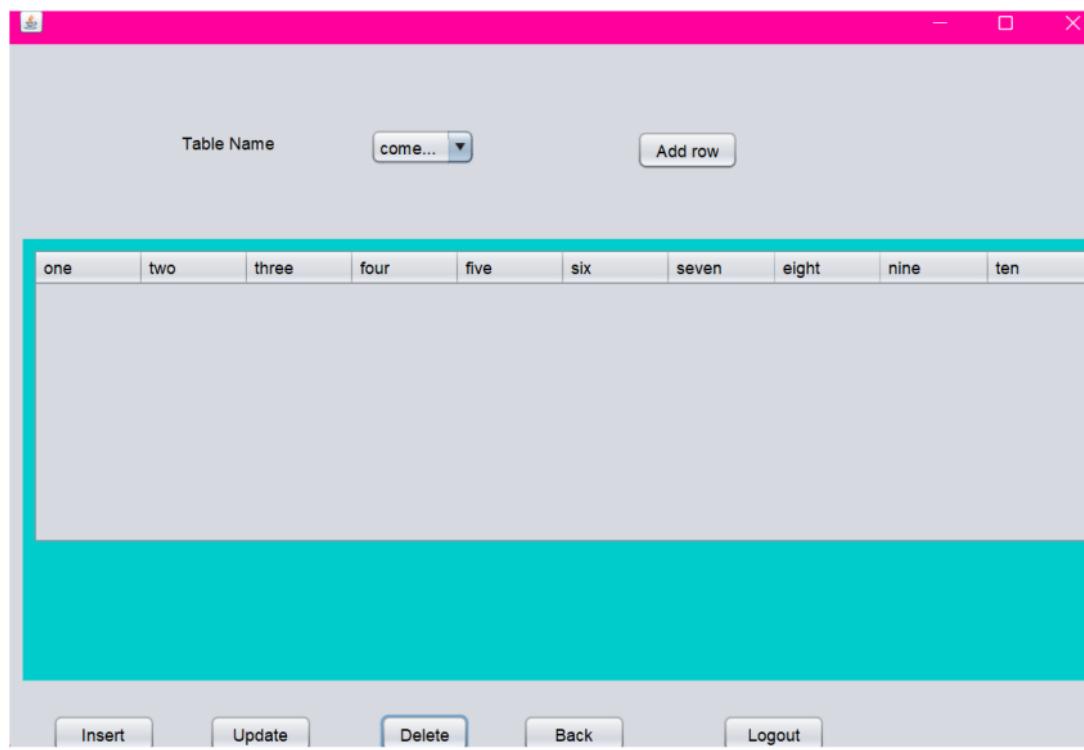
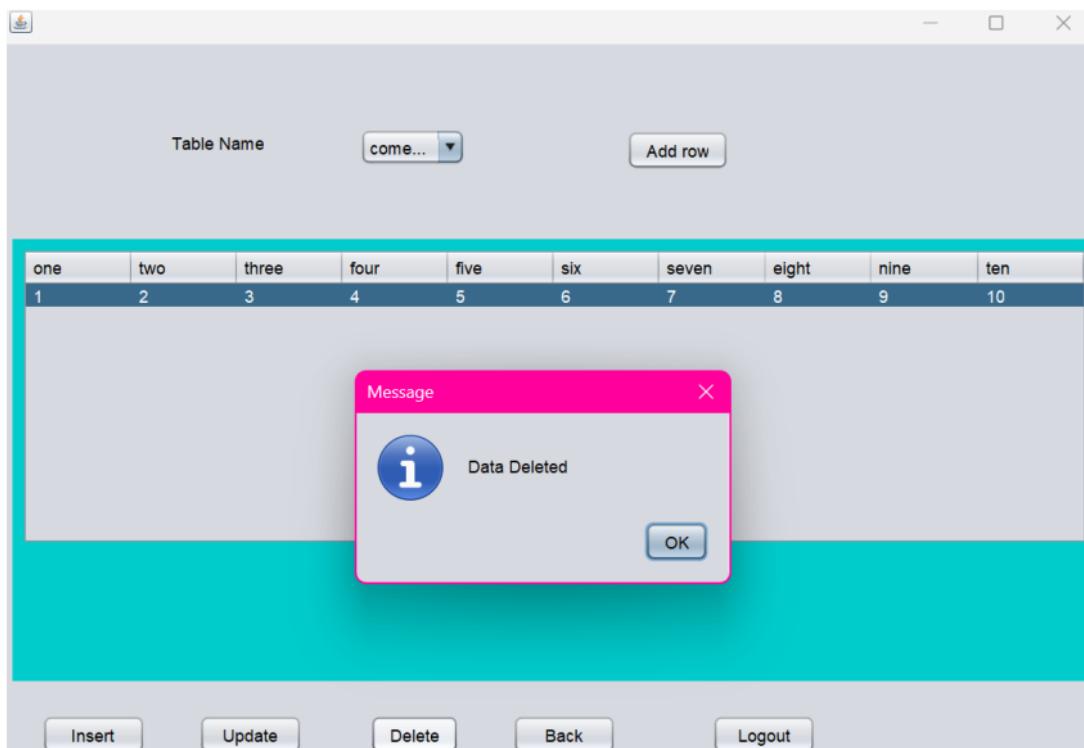


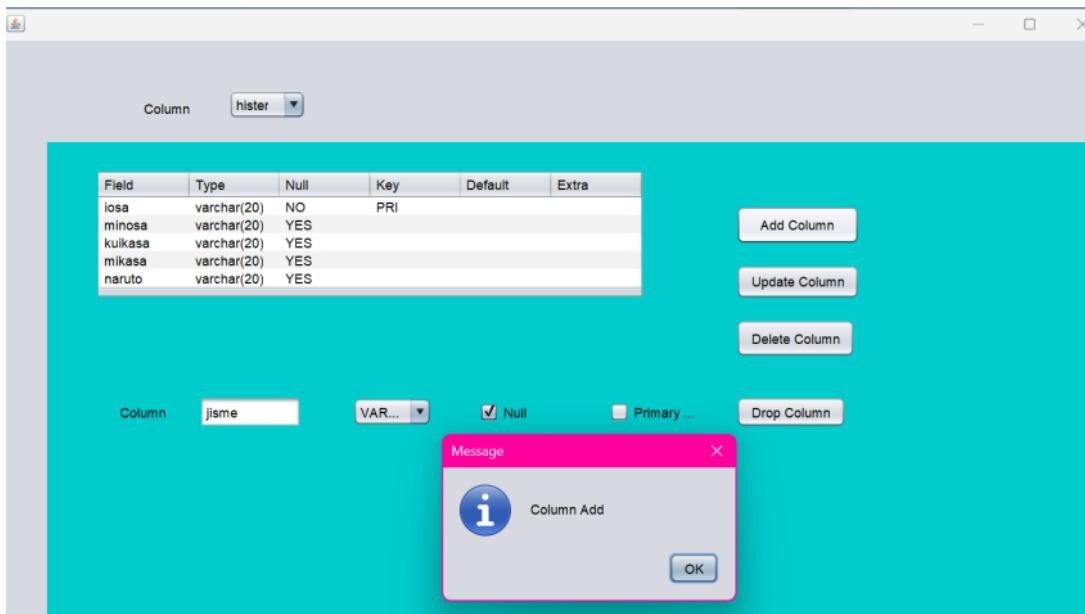
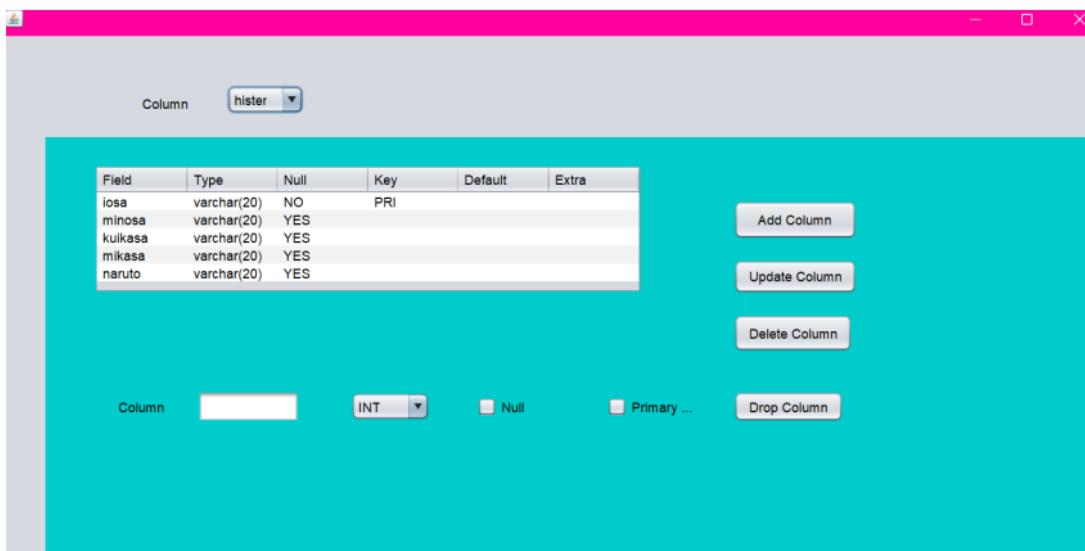
This screenshot shows a software application window titled "HOME". On the left side, there is a vertical sidebar with eight items, each featuring a house icon and a label: "HOME", "UPDATE", "SEARCH", "DELETE", "VIEW", "CREATE", "BACK", and "LOG OUT". The main area of the window is titled "Tables" and has a dropdown menu set to "client". To the right of the dropdown are two buttons: "Update" and "Insert". Below these buttons is a table with the following data:

Client_ID	Client_Name	Client_Add	Client_Tel	Client_Email	Client_Gender	Client_Age
C0078	pyae	ygn	987456123	mail	Female	22
C0080	owagyi	Hiwell	456321	ph@gmail.com	Female	25
C0085	Young	Mandalay	7854621	phme@gmail.c...	Female	41
C0088	sisilwal	Bago	995846321	mailme@gmail...	Female	78
C0089	kzhhein	pyl	99563214	kzhhein@gmail...	Female	85

Below the table are two input fields: "Client_ID" with value "C0090" and "Client_Name" with an empty field.







Column hister ▾

Field	Type	Null	Key	Default	Extra
losa	varchar(20)	NO	PRI		
minosa	varchar(20)	YES			
kuikasa	varchar(20)	YES			
mikasa	varchar(20)	YES			
naruto	varchar(20)	YES			
jisme	varchar(20)	YES			

Column hister ▾

Field	Type	Null	Key	Default	Extra
losa	varchar(20)	NO	PRI		
minosa	varchar(20)	YES			
kuikasa	varchar(20)	YES			
mikasa	varchar(20)	YES			
naruto	varchar(20)	YES			
sasukae	varchar(20)	YES			

Add Column Update Column Delete Column

Column sasukae VAR... Null Primary ... Drop Column

Message X

 Column updated

OK

Column hister ▾

Field	Type	Null	Key	Default	Extra
rose	varchar(20)	NO	PRI		
minosa	varchar(20)	YES			
kulkasa	varchar(20)	YES			
mikasa	varchar(20)	YES			
sasukae	varchar(20)	YES			
jisme	varchar(20)	YES			

Add Column Update Column Delete Column

Column INT Null Primary ... Drop Column

Message X

i Successfully dropped table

OK

Column bottle ▾

Field	Type	Null	Key	Default	Extra
client	char(2)	S			
comeon	char(2)	S			
ecuses	char(2)	S			
fid	float	S			
hister	char(2)	S			
item	char(2)	S			
wonder	varchar(20)	S			
missing	varchar(20)	S			
bag	varchar(20)	S			
userlogi	varchar(20)	S			

Add Column Update Column Delete Column

Column INT Null Primary ... Drop Column

Coding page

```

        stmt = conn.createStatement();
        String sql = "select * from Client";
        PreparedStatement pstmt = conn.prepareStatement(sql);
        rs = pstmt.executeQuery();
        while(rs.next()){
            btnclientfr.addItem(rs.getString("Client_ID"));
        }

    }catch(Exception e)
    {
        JOptionPane.showMessageDialog(this,e);
    }
}

public void afternametypefirst(){
    childpanell.setVisible(false);
}

public void DisplayTables(){
    try{
        Class.forName("com.mysql.jdbc.Driver");
        conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/testDb","root","root");
        stmt = conn.createStatement();

        DatabaseMetaData dbmd = conn.getMetaData();
        String[] types = {"TABLE"};
        ResultSet rs = dbmd.getTables("testDb", null, "%", types);
        while (rs.next()) {

            System.out.println(rs.getString("TABLE_NAME"));
            btnselecombo.addItem(rs.getString("TABLE_NAME"));
        }
    }catch (Exception e) {
        JOptionPane.showMessageDialog(this,e.toString());
    }
}

private void Displayme(){

    try
    {
        Class.forName("com.mysql.jdbc.Driver");
        conn= DriverManager.getConnection("jdbc:mysql://localhost:3306/testDb","root","root");
        stmt =conn.createStatement();
        String sql ="select * from client";
        PreparedStatement pstmt = conn.prepareStatement(sql);
        rs =pstmt.executeQuery();
        ResultSetMetaData rsData=rs.getMetaData();
        DefaultTableModel model=(DefaultTableModel)momtable.getModel();

        /* Count =rsData.getColumnCount();
        for(int i=0;i<Count;i++)
        {
            columnNameList.add(rsData.getColumnName(i+1));
        }
    }
}

```

```

        int count=addtb.getColumnCount();

        if(count==2)
        {
            st[0]=m.getValueAt(i,0).toString();
            st[1]=m.getValueAt(i,1).toString();
            try{
                con=DriverManager.getConnection(url,username,password);
                stmt=con.createStatement();
                String sql="insert into testDb."+selcombo.getSelectedItem()+" values('"+st[0]+"','"+st[1]+"')";
                System.out.println("2 "+Arrays.toString(st));
                System.out.println("2 "+sql);
                stmt.execute(sql);
                //System.out.println("check sql "+sql);
                JOptionPane.showMessageDialog(this,"Successfully added");
            }catch(Exception e)
            {
                JOptionPane.showMessageDialog(this,e);
            }
        }
        else if(count==3){
            st[0]=m.getValueAt(i,0).toString();
            st[1]=m.getValueAt(i,1).toString();
            st[2]=m.getValueAt(i,2).toString();

            try{
                con=DriverManager.getConnection(url.username.password);
            }
            else
            {
                Non2="NOT NULL";
            }
            if(cbpr2.isSelected()==true)
            {
                Primary2="PRIMARY KEY";
            }
            else{
                Primary2="";
            }
            int messi=4;
            String[] previousData=DataOne();
            String[]currentData={kName2,ktype2,Non2,Primary2};

            String[] resultData=new String[previousData.length+currentData.length];
            System.arraycopy(previousData,0,resultData,0,previousData.length);
            System.arraycopy(currentData,0,resultData,messi,currentData.length);
            System.out.println("2 check"+Arrays.toString(resultData));
            return resultData;
        }
    }

    private String[] Datathree(){
        String kName3=txtcol3.getText();
        String ktype3=combo3.getSelectedItem().toString();
        String Non3;

```

```

        }
    public void afternametypesecond(){

    }
    public void DisplayTables(){
        try {
            Class.forName("com.mysql.jdbc.Driver");
            conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/testDb","root","root"
            stmt = conn.createStatement();

            DatabaseMetaData dbmd = conn.getMetaData();
            String[] types = {"TABLE"};
            ResultSet rs = dbmd.getTables("testDb", null, "%", types);
            while (rs.next()) {
                if(!rs.getString("TABLE_NAME").toString().equals("developeroption")){
                    System.out.println(rs.getString("TABLE_NAME"));

                }
            }
        }catch (Exception e) {
            JOptionPane.showMessageDialog(this,e.toString());
        }
    }
    private void Displayme(){

```

```

        }
    }catch (Exception e) {
        JOptionPane.showMessageDialog(this,e.toString());
    }
}
private void Displayme(){

try
{
    Class.forName("com.mysql.jdbc.Driver");
    conn= DriverManager.getConnection("jdbc:mysql://localhost:3306/testDb","root","root");
    stmt =conn.createStatement();
    String sql ="";
    if(radioclient.isSelected()){
        sql="Select * from testDb.Client";
    }
    else if(radioitem.isSelected()){
        sql="Select * from testDb.Item";

    }
    else if(radiouser.isSelected()){
        sql="Select * from testDb.Userlogin ";
    }
    else{
        sql="Select * from client";
    }
    PreparedStatement pstmt = conn.prepareStatement(sql);

```

```

try{
    Class.forName("com.mysql.jdbc.Driver");
    Connection con=DriverManager.getConnection("jdbc:mysql://localhost:3306/testDb","root","root");
    String sql="alter table testDb."+c1b0.getSelectedItem()+" change column "+oldname+" "+kName2+" "+kt;
    PreparedStatement pstmt=con.prepareStatement(sql);
    pstmt.execute();
    JOptionPane.showMessageDialog(this,"Column updated");
    DisplayMe();
    txtname1.setText("");
    modicombo.setSelectedIndex(0);
    chnull1.setSelected(false);
    chprimary.setSelected(false);
}catch(Exception e)
{
    JOptionPane.showMessageDialog(null,e);
}

}

private void modicomboActionPerformed(java.awt.event.ActionEvent evt) {

    String user =txtuser.getText();
    String pass= txtpasswd.getText();

    try{
        String url="jdbc:mysql://localhost:3306/testdb";
        String driver="com.mysql.jdbc.Driver";
        String username="root";
        String password="root";
        / PreparedStatement pst =con.prepareStatement("Select * from userLogin where user_ID =? and password=?");
        / pst.setString(1,user);
        / pst.setString(2,pass);

        Class.forName(driver);
        con = DriverManager.getConnection(url,username,password);
        stmt = con.createStatement();

        rs=stmt.executeQuery("Select * from userlogin where user_ID ='"+txtuser.getText()+"' and password='"
        int count = 0;
        while(rs.next()){
            count++;
        }

        if(count>0){
            JOptionPane.showMessageDialog(this,"Login succeed");
        }
    }
}

```

COS106Assignment

ORIGINALITY REPORT



PRIMARY SOURCES

- 1 Olivia P. Pfeiffer, Haihao Liu, Luca Montanelli, Marat I. Latypov et al. "Aluminum alloy compositions and properties extracted from a corpus of scientific manuscripts and US patents", Scientific Data, 2022

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