

Unreal Bank

Output Screenshots

Form1

Unreal Bank

Adminstration

Username

Password

Log In

Customer Login

Customer Id

Password

Log In

Login Window Both Customer and Admin

Form2

Administration

Customer

Customer ID

First Name

Last Name

Phone Number

Date of Birth

password

Create Customer Show Customer

Account

Account Type

Balance

Create Account Delete Account

Load Customer

Admin Window with Customer and Account Creation

Form2

Administration

Customer

Customer ID

2

First Name

Monkey.D.Luffy

Last Name

Money.D.Dragon

Phone Number

0987654321

Date of Birth

Wednesday, March 24, 1999

password

onepiece

Create Customer

Show Customer

Account

Account Type

Balance

Create Account

Delete Account

Load Customer

Admin Window with Customer Creation

Form2

Administration

Customer

Customer ID

2

First Name

Monkey.D.Luffy

Last Name

Money.D.Dragon

Phone Number

0987654321

Date of Birth

Wednesday, March 24, 1999

password

onepiece

Create Customer

Show Customer

Account

Account Type

Saving

Balance

3000000000

Create Account

Delete Account

	CustomerId	FirstName	LastName
▶	1	Karthikeyan	Selvaraj
	2	Monkey.D.Luffy	Money.D.Dragon
*			

Load Customer

Load Customer Data in Database And View Overall Customer Details

Administration

Customer

Customer ID:

First Name:

Last Name:

Phone Number:

Date of Birth:

password:

Create Customer

Show Customer

Account

Account Type:

Balance:

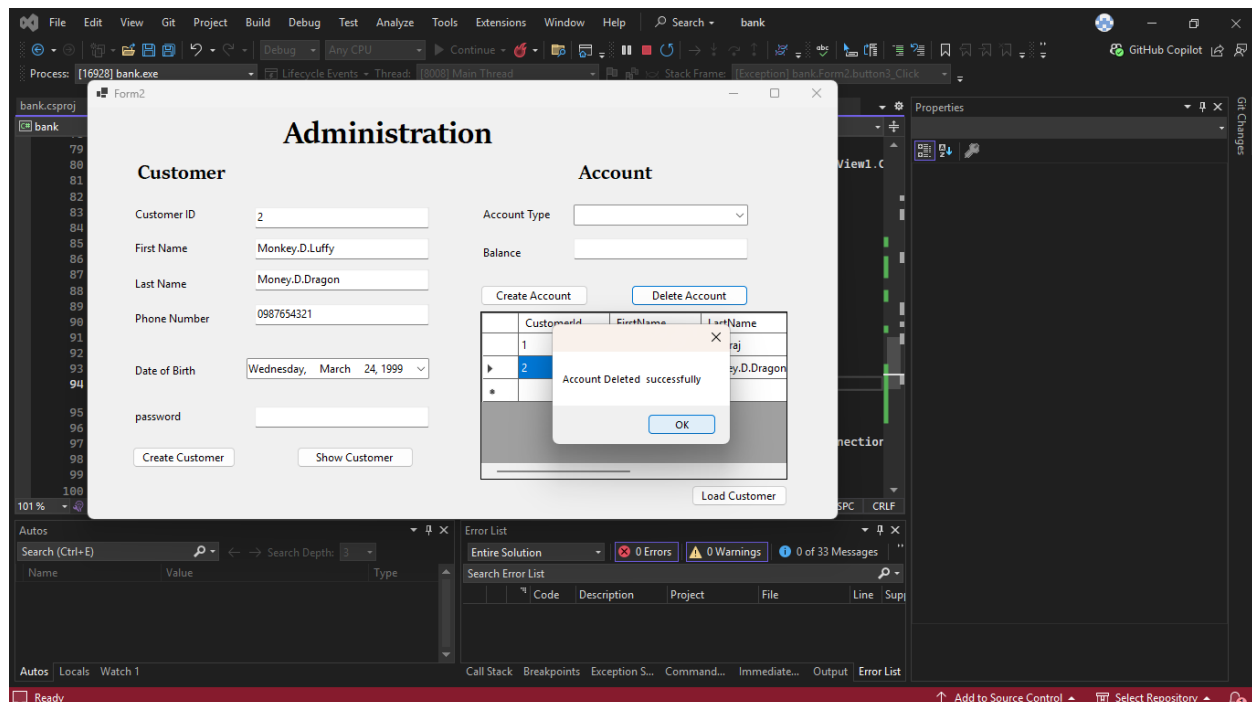
Create Account

Delete Account

	CustomerId	FirstName	LastName
	1	Karthikeyan	Selvaraj
▶	2	Monkey.D.Luffy	Money.D.Dragon
*			

Load Customer

Admin Window with Account Type Creation and Initial Deposit



Admin Window with Account Deletion

Form1

Unreal Bank

Adminstration

Username

Password

Log In

Customer Login

Customer Id

Password

Log In

Customer Login With Customer Id And Password

Deposit

Unreal Bank Window Form Banking

Balance Enquiry

22492.00

Deposit

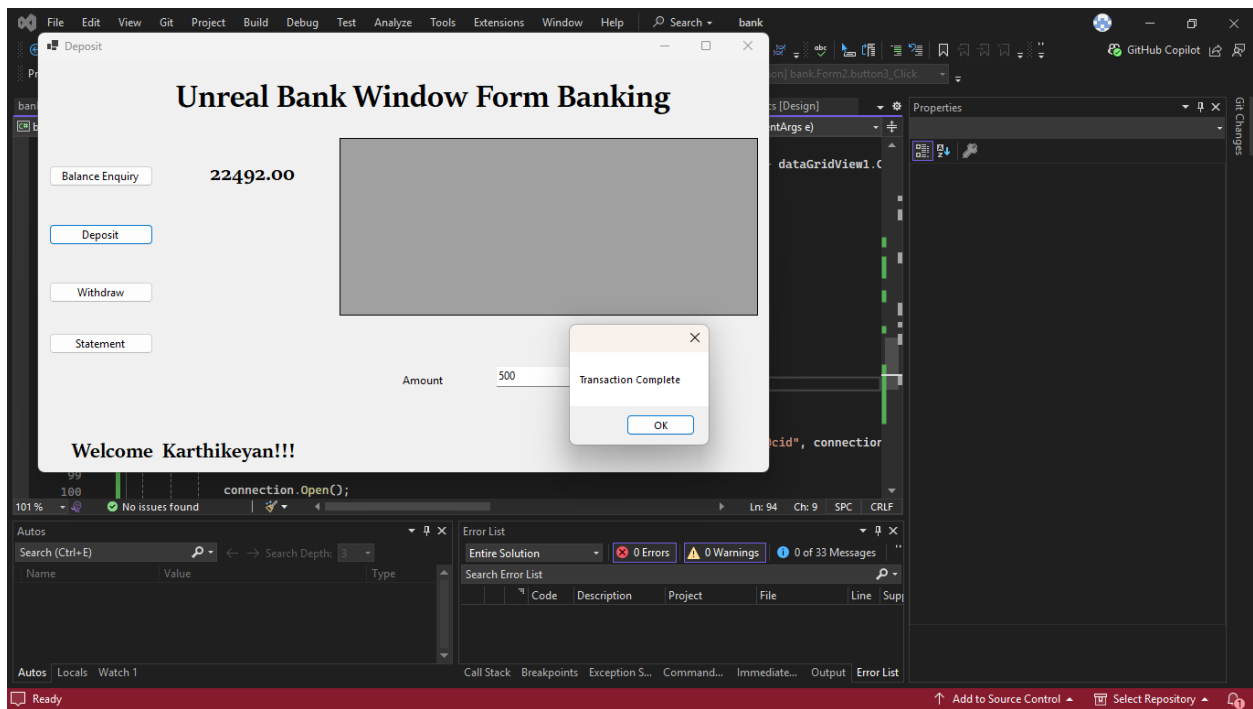
Withdraw

Statement

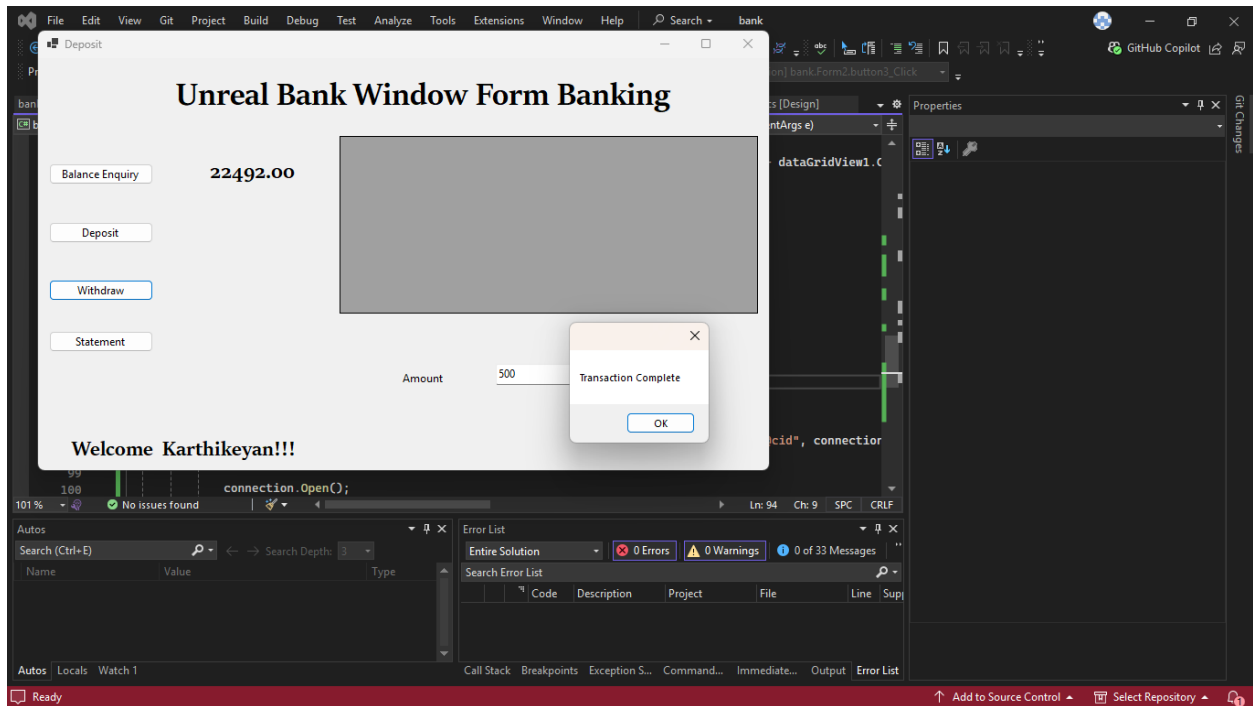
Amount

Welcome Karthikeyan!!!

Balance Enquiry



Deposit



Withdrawal

Deposit

Unreal Bank Window Form Banking

Balance Enquiry

22492.00

Deposit

Withdraw

Statement

transactionid	CustomerId	Amount	transactions
2	1	100.00	Deposit
3	1	1000.00	Deposit
4	1	1000.00	Deposit
5	1	500.00	Withdraw
7	1	10.00	Deposit
9	1	100.00	Deposit

Amount

500

Welcome Karthikeyan!!!

Statement for Transaction

Code

Form1.cs

Login Window

```
using Microsoft.Data.SqlClient;

namespace bank
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();

            SqlConnection connection = new SqlConnection(@"Data
Source=(localdb)\MSSQLLocalDB;Initial Catalog=bank;Integrated
Security=True");

            private void button1_Click(object sender, EventArgs e)
            {
                if (textBox1.Text == "admin" && textBox2.Text == "admin")
                {
                    Form2 form = new Form2();
                    form.Show();
                    this.Hide();
                }
            }
        }
    }
}
```

```

    }
else
{
    MessageBox.Show("Invalid username or password");
}
}

public object Cid() {
    SqlCommand cmd = new SqlCommand("select CustomerId from
Customer where CustomerId =" + textBox3.Text + "", connection);

    SqlCommand pass = new SqlCommand("select password from
Customer where CustomerId=" + textBox3.Text + "", connection);

    connection.Open();

    object s = cmd.ExecuteScalar();
    object p = pass.ExecuteScalar();

    if (s.ToString() == textBox3.Text && p.ToString() ==
textBox4.Text)
    {
        Form3 Atm = new Form3(textBox3.Text);
        Atm.Show();
        this.Hide();
    }
else
{

```

```
        MessageBox.Show("Incorrect Credentials!!!");
    }
    connection.Close();
    return s;
}
}
}
```

Form2.cs

Admin Window

```
using Microsoft.Data.SqlClient;
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;

namespace bank
{
    public partial class Form2 : Form
    {
        public Form2()
        {
            InitializeComponent();
        }
    }
}
```

```
SqlConnection connection = new SqlConnection(@"Data
Source=(localdb)\MSSQLLocalDB;Initial Catalog=bank;Integrated
Security=True");
```

```
private void Form2_Load(object sender, EventArgs e)
{

}
```

```
private void button1_Click(object sender, EventArgs e)
{
    SqlCommand sqlCommand = new SqlCommand("insert into
Customer values('" + textBox2.Text + "','" + textBox3.Text + "','" +
textBox4.Text + "','" + dateTimePicker1.Text + "','" + textBox6.Text +
"')", connection);

    connection.Open();

    int n = sqlCommand.ExecuteNonQuery();

    if (n == 1)
    {
        MessageBox.Show("Customer added successfully");
    }
    else
    {
        MessageBox.Show("Error");
    }
}
```

```
    }  
    connection.Close();  
}
```

```
private void button2_Click(object sender, EventArgs e)  
{  
    SqlCommand sqlCommand = new SqlCommand("insert into  
Account (CustomerId,AccountType,Balance)  
values(@ID,@type,@balance)", connection);  
    sqlCommand.Parameters.AddWithValue("@ID", textBox1.Text);  
    sqlCommand.Parameters.AddWithValue("@type",  
comboBox1.Text);  
    sqlCommand.Parameters.AddWithValue("@balance",  
textBox5.Text);  
    connection.Open();  
    int n = sqlCommand.ExecuteNonQuery();  
    connection.Close();  
    if (n == 1)  
    {  
        MessageBox.Show("Account Created successfully");  
    }  
}
```

```
    else
    {
        MessageBox.Show("Error");
    }
    connection.Close();

}
```

```
private void button4_Click(object sender, EventArgs e)
{
    SqlDataAdapter adapter = new SqlDataAdapter("select *from
Customer", connection);
    DataTable dt = new DataTable();
    adapter.Fill(dt);
    dataGridView1.DataSource = dt;
}
```

```
private void button5_Click(object sender, EventArgs e)
{

}
```



```

private void button5_Click_1(object sender, EventArgs e)
{
    SqlCommand cmd = new SqlCommand("Select * from
Customer where CustomerId='" + dataGridView1.CurrentCell.Value +
'", connection);

    connection.Open();

    SqlDataReader reader = cmd.ExecuteReader();

    while (reader.Read())
    {
        textBox1.Text = reader["CustomerId"].ToString();
        textBox2.Text = reader["FirstName"].ToString();
        textBox3.Text = reader["LastName"].ToString();
        textBox4.Text = reader["Phone"].ToString();
        dateTimePicker1.Text = reader["DateOfBirth"].ToString();

    }

    connection.Close();
}

```

```

private void button3_Click(object sender, EventArgs e)
{
    SqlCommand sqlCommand = new SqlCommand("delete from
Account where CustomerId=@cid", connection);

```

```
        sqlCommand.Parameters.AddWithValue("@cid",  
textBox1.Text);
```

```
        connection.Open();  
        int n = sqlCommand.ExecuteNonQuery();  
        connection.Close();  
        if (n == 1)  
        {  
            MessageBox.Show("Account Deleted successfully");  
        }  
        else  
        {  
            MessageBox.Show("Error");  
        }  
        connection.Close();  
    }  
}
```

Form3.cs

Customer Window

```
using Microsoft.Data.SqlClient;
using Microsoft.Identity.Client;
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Runtime.InteropServices;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;

namespace bank
{
    public partial class Form3 : Form
    {
        private string CustomerId;

        public Form3(string customerId)
```

```

{
    InitializeComponent();

    CustomerId = customerId;

}

SqlConnection connection = new SqlConnection(@"Data
Source=(localdb)\MSSQLLocalDB;Initial Catalog=bank;Integrated
Security=True");

private void Form3_Load(object sender, EventArgs e)
{
    SqlCommand cmd = new SqlCommand("select FirstName from
Customer where CustomerId='" + CustomerId.ToString() + "'",
connection);

    connection.Open();

    object s = cmd.ExecuteScalar();

    label2.Text = "Welcome  " + s.ToString()+"!!!";

    connection.Close();

}

private void button1_Click(object sender, EventArgs e)

```

```
{//Balance ENquiry
```

```
    SqlCommand cmd = new SqlCommand("select Balance from  
Account where CustomerId='" + CustomerId.ToString() + "'",  
connection);
```

```
    connection.Open();
```

```
    object s = cmd.ExecuteScalar();
```

```
    label5.Text = s.ToString();
```

```
    connection.Close();
```

```
}
```

```
private void button2_Click(object sender, EventArgs e)
```

```
{
```

```
    //Deposit
```

```
    SqlCommand cmd = new SqlCommand("update Account set  
Balance=Balance+'" + textBox2.Text + "' where CustomerId='"  
+CustomerId.ToString() + "'", connection);
```

```
    SqlCommand cmd2 = new SqlCommand("insert into transactions  
(CustomerId,Amount,transactions) values('" + CustomerId.ToString() +  
"', '" + textBox2.Text + "', 'Deposit')", connection);
```

```
    connection.Open();
```

```
    int n = cmd2.ExecuteNonQuery();
```

```
    int n1 = cmd.ExecuteNonQuery();
```

```
        MessageBox.Show((n == 1) ? "Transaction Complete" : "Not Complete");
```

```
        MessageBox.Show((n1 == 1) ? "Deposited" : "Not Complete");
```

```
        connection.Close();
```

```
    }
```

```
    private void button4_Click(object sender, EventArgs e)
```

```
    {
```

```
        //statement
```

```
        SqlDataAdapter adapter = new SqlDataAdapter("select *from transactions", connection);
```

```
        DataTable dm = new DataTable();
```

```
        adapter.Fill(dm);
```

```
        dataGridView1.DataSource = dm;
```

```
    }
```

```
    private void button5_Click(object sender, EventArgs e)
```

```
    {        SqlCommand cmd = new SqlCommand("update Account set Balance=Balance-'"+ textBox2.Text + "' where CustomerId='" + CustomerId.ToString() + "'", connection);
```

```
        SqlCommand cmd2 = new SqlCommand("insert into transactions (CustomerId,Amount,transactions) values('" + CustomerId.ToString() + "','" + textBox2.Text + "','Withdraw')", connection);
```

```

        connection.Open();

        int n = cmd2.ExecuteNonQuery();

        int n1 = cmd.ExecuteNonQuery();

        MessageBox.Show((n == 1) ? "Transaction Complete" : "Not
Complete");

        MessageBox.Show((n1 == 1) ? "Withdrawal Complete" : "Not
Complete");

        connection.Close();
    }

    private void button3_Click_1(object sender, EventArgs e)
    {
        SqlDataAdapter adapter = new SqlDataAdapter("select *from
transactions where CustomerId="+ CustomerId.ToString() + "",
connection);

        DataTable dm = new DataTable();

        adapter.Fill(dm);

        dataGridView1.DataSource = dm;
    }
}

```

Bank.Sql

```
create database bank
```

```
use bank
```

```
create table Customer(
```

```
    CustomerId int primary key identity,
```

```
    FirstName varchar(50) not null,
```

```
    LastName varchar(50) not null,
```

```
    Phone varchar(15) not null unique,
```

```
    DateOfBirth varchar(30) not null
```

```
);
```

```
create table Account(
```

```
    AccountId int primary key identity,
```

```
    CustomerId int foreign key references  
Customer(CustomerId),
```

```
    AccountType varchar(50) not null,
```

```
    Balance decimal(18,2) not null,
```

```
    CreatedAt datetime default getdate()
```

```
);
```

```
create table transactions(
```

```
    transactionid int primary key identity,
```


Customer(CustomerId),

CustomerId int foreign key references

Amount decimal(18,2) not null,

transactions varchar(50),

Ttime datetime default getdate()

)

select * from Customer

select * from Account;

select *from transactions

Thank You!!!