

```

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.Data.SqlClient;
using System.Windows.Forms;
using System.Media;

namespace BUHS_Bank
{
    public partial class Form1 : Form
    {
        SqlConnection con = new SqlConnection("Data Source=DESKTOP-HBR3DS3;Initial
Catalog=bank;Integrated Security=True");
        SqlCommand command , command2;

        public Form1()
        {
            InitializeComponent();
        }

        private void button1_Click(object sender, EventArgs e)
        {

        }
    }
}

```

```
private void Form1_Load(object sender, EventArgs e)
{
    labelDate.Text = DateTime.Now.Date.ToShortDateString();
}

private void textBox1_TextChanged(object sender, EventArgs e)
{
}

private void btnDeposit_Click(object sender, EventArgs e)
{
    panelActivities.Visible = true;
    panelActivities.Location = new Point(20, 29);
    gbActivities.Text = "Deposit Money";
    panelHome.Visible = false;
    panelBalanceEnquiry.Visible = false;
    PanelCreateAccount.Visible = false;
    panelDepositMoney.Visible = false;
    panelWithdrawMoney.Visible = false;
}

private void button3_Click(object sender, EventArgs e)
{
    panelHome.Visible = true;
    panelActivities.Visible = false;
    panelBalanceEnquiry.Visible = false;
    PanelCreateAccount.Visible = false;
```

```
    panelDepositMoney.Visible = false;
    panelWithdrawMoney.Visible = false;
}
```

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

}
```

```
private void button4_Click(object sender, EventArgs e)
{
    panelHome.Visible = true;
    panelActivities.Visible = false;
    panelBalanceEnquiry.Visible = false;
    PanelCreateAccount.Visible = false;
    panelDepositMoney.Visible = false;
    panelWithdrawMoney.Visible = false;
}
```

```
private void btnCreateAccount_Click(object sender, EventArgs e)
{
    panelHome.Visible = false;
    PanelCreateAccount.Visible = true;
    PanelCreateAccount.Location = new Point(20, 29);
    panelActivities.Visible = false;
    panelHome.Visible = false;
    panelBalanceEnquiry.Visible = false;
    panelDepositMoney.Visible = false;
    panelWithdrawMoney.Visible = false;
}
```

```
private void btnViewAccounts_Click(object sender, EventArgs e)
{
    ViewAllAcoounts ViewAll = new ViewAllAcoounts();
    this.Hide();
    ViewAll.Show();
}
```

```
private void button1_Click_1(object sender, EventArgs e)
{
    panelHome.Visible = true;
    panelActivities.Visible = false;
    panelBalanceEnquiry.Visible = false;
    PanelCreateAccount.Visible = false;
    panelDepositMoney.Visible = false;
    panelWithdrawMoney.Visible = false;
}
```

```
private void btnCreateNewAccount_Click(object sender, EventArgs e)
{
    if (txtCreateAccountUsername.Text == "")
    {
        MessageBox.Show("Please enter a username", "Alert!" , MessageBoxButtons.OK,
        MessageBoxIcon.Error);
    }
    else if (cmbCreateAccountOpeningBalance.Text == "")
    {
```

```

        SystemSounds.Exclamation.Play();

        MessageBox.Show("Please Select Opening Balance", "ALERT !");
    }
    else
    {

        con.Open();

        command = new SqlCommand("select * from BioData where Username = '" +
txtCreateAccountUsername.Text.ToUpper() + "'", con);

        SqlDataAdapter da = new SqlDataAdapter(command);

        DataTable dt = new DataTable();

        da.Fill(dt);

        if ( dt.Rows.Count == 1)
        {

            MessageBox.Show("Username Already Exists !, try something else", "ALERT !",
MessageBoxButtons.OK, MessageBoxIcon.Error);

        }
        else
        {

            try
            {

                command = new SqlCommand("INSERT INTO BioData ( Username,OpeningBalance,
Dates)VALUES ('" + txtCreateAccountUsername.Text.ToUpper() + "', '" +
cmbCreateAccountOpeningBalance.Text + "', '" + labelDate.Text + "')", con);

                command2 = new SqlCommand("INSERT INTO Transactions (
Username,LastWithdrawal, LastDeposit, AvailableBalance, Dates)VALUES ('" +
txtCreateAccountUsername.Text.ToUpper() + "', '" + 0 + "', '" + 0 + "', '" +
cmbCreateAccountOpeningBalance.Text + "', '" + labelDate.Text + "')", con);

                command.ExecuteNonQuery();

```

```

        command2.ExecuteNonQuery();

        SystemSounds.Exclamation.Play();

        MessageBox.Show("Account Created", "ALERT !");

        txtCreateAccountUsername.ResetText();

        cmbCreateAccountOpeningBalance.ResetText();

        con.Close();
    }

    catch (Exception ex)
    {
        SystemSounds.Exclamation.Play();

        MessageBox.Show(ex.Message);
    }
}

con.Close();
}

}

private void btnWithdrawal_Click(object sender, EventArgs e)
{
    panelActivities.Visible = true;

    panelActivities.Location = new Point(20, 29);

    gbActivities.Text = "Withdraw Money";

    panelHome.Visible = false;

    panelBalanceEnquiry.Visible = false;

    PanelCreateAccount.Visible = false;

    panelDepositMoney.Visible = false;

    panelWithdrawMoney.Visible = false;
}

```

```
private void btnCheckBalance_Click(object sender, EventArgs e)
{
    panelActivities.Visible = true;
    panelActivities.Location = new Point(20, 29);
    gbActivities.Text = "Check Balance";
    panelHome.Visible = false;
    panelBalanceEnquiry.Visible = false;
    PanelCreateAccount.Visible = false;
    panelDepositMoney.Visible = false;
    panelWithdrawMoney.Visible = false;
}
```

```
private void btnWithdrawMoneyBack_Click(object sender, EventArgs e)
{
    panelHome.Visible = true;
    panelActivities.Visible = false;
    panelBalanceEnquiry.Visible = false;
    PanelCreateAccount.Visible = false;
    panelDepositMoney.Visible = false;
    panelWithdrawMoney.Visible = false;
}
```

```
private void btnBalanceEnquiryClose_Click(object sender, EventArgs e)
{
    panelHome.Visible = true;
    panelActivities.Visible = false;
    panelBalanceEnquiry.Visible = false;
    PanelCreateAccount.Visible = false;
    panelDepositMoney.Visible = false;
    panelWithdrawMoney.Visible = false;
}
```

```
private void btnDepositMoneyBack_Click(object sender, EventArgs e)
{
    panelHome.Visible = true;
    panelActivities.Visible = false;
    panelBalanceEnquiry.Visible = false;
    PanelCreateAccount.Visible = false;
    panelDepositMoney.Visible = false;
    panelWithdrawMoney.Visible = false;
}
```

```
private void btnCloseAccount_Click(object sender, EventArgs e)
{
    panelActivities.Visible = true;
    panelActivities.Location = new Point(20, 29);
    gbActivities.Text = "Close Account";
    btnActivities.Text = "Close Account";
    panelHome.Visible = false;
    btnActivities.Text = "Close Account";
    panelBalanceEnquiry.Visible = false;
    PanelCreateAccount.Visible = false;
    panelDepositMoney.Visible = false;
    panelWithdrawMoney.Visible = false;
}
```

```
private void btnActivities_Click(object sender, EventArgs e)
{
    if ( gbActivities.Text == "Deposit Money")
    {
        // TO CHECK IF USERNAME EXISTS FOR DEPOSITIT
```



```
SqlDataAdapter sdaDeposit = new SqlDataAdapter(@"SELECT * FROM [dbo].[BioData]  
where Username ='" + txtActivitiesUsername.Text.ToUpper() + "';", con);
```

```
DataTable dtDeposit = new DataTable();
```

```
sdaDeposit.Fill(dtDeposit);
```

```
if (dtDeposit.Rows.Count == 1)
```

```
{
```

```
    panelActivities.Visible = false;
```

```
    panelDepositMoney.Visible = true;
```

```
    labelDepositDisplayUsername.Text = txtActivitiesUsername.Text;
```

```
    panelDepositMoney.Location = new Point(20, 29);
```

```
    panelHome.Visible = false;
```

```
    panelBalanceEnquiry.Visible = false;
```

```
    PanelCreateAccount.Visible = false;
```

```
    panelWithdrawMoney.Visible = false;
```

```
    txtActivitiesUsername.Clear();
```

```
}
```

```
else
```

```
{
```

```
    MessageBox.Show("Username does not exist!", "ALERT", MessageBoxButtons.OK,  
    MessageBoxIcon.Error);
```

```
}
```

```
}
```

```
else if (gbActivities.Text == "Withdraw Money")
```

```
{
```

```
    // TO CHECK IF USERNAME EXISTS FOR WITHDRAWAL
```

```

        SqlDataAdapter sdaWithdraw = new SqlDataAdapter(@"SELECT * FROM [dbo].[BioData]
where Username ='" + txtActivitiesUsername.Text.ToUpper() + "';", con);

        DataTable dtWithdraw = new DataTable();

        sdaWithdraw.Fill(dtWithdraw);

        if (dtWithdraw.Rows.Count == 1)
        {

            panelActivities.Visible = false;
            panelDepositMoney.Visible = false;
            labelWithdrawMoneyDisplayUsername.Text = txtActivitiesUsername.Text;
            panelWithdrawMoney.Visible = true;
            panelWithdrawMoney.Location = new Point(20, 29);
            panelHome.Visible = false;
            panelBalanceEnquiry.Visible = false;
            PanelCreateAccount.Visible = false;
            txtActivitiesUsername.Clear();
        }
    }

    else if (gbActivities.Text == "Close Account")
    {

        // TO CHECK IF USERNAME EXISTS FOR WITHDRAWAL

        SqlDataAdapter sdaCloseAccount = new SqlDataAdapter(@"SELECT * FROM [dbo].[BioData]
where Username ='" + txtActivitiesUsername.Text.ToUpper() + "';", con);

        DataTable dtCloseAccount = new DataTable();

        sdaCloseAccount.Fill(dtCloseAccount);

        if (dtCloseAccount.Rows.Count == 1)
        {

            con.Open();

```

```
SqlCommand cmdCloseAccount = new SqlCommand(@"DELETE FROM [dbo].[BioData]  
WHERE Username = '"+txtActivitiesUsername.Text.ToUpper()+"'", con);
```

```
cmdCloseAccount.ExecuteNonQuery();
```

```
MessageBox.Show("Account deleted from database ", txtActivitiesUsername.Text,  
MessageBoxButtons.OK, MessageBoxIcon.Exclamation);
```

```
con.Close();
```

```
panelDepositMoney.Visible = false;
```

```
panelWithdrawMoney.Visible = false;
```

```
panelHome.Visible = false;
```

```
panelBalanceEnquiry.Visible = false;
```

```
PanelCreateAccount.Visible = false;
```

```
txtActivitiesUsername.Clear();
```

```
}
```

```
else
```

```
{
```

```
MessageBox.Show("Username does not exist!", "ALERT", MessageBoxButtons.OK,  
MessageBoxIcon.Error);
```

```
}
```

```
}
```

```
else
```

```
{
```

```
// TO CHECK IF USERNAME EXISTS FOR CHECKING
```

```
SqlDataAdapter sdaCheck = new SqlDataAdapter(@"SELECT * FROM [dbo].[BioData] where  
Username = '" + txtActivitiesUsername.Text.ToUpper() + "'", con);
```

```
DataTable dtCheck = new DataTable();
sdaCheck.Fill(dtCheck);

if (dtCheck.Rows.Count == 1)
{

    panelActivities.Visible = false;
    panelDepositMoney.Visible = false;
    labelBalanceEnquiry.Text = txtActivitiesUsername.Text;
    panelBalanceEnquiry.Visible = true;
    panelBalanceEnquiry.Location = new Point(20, 29);
    panelHome.Visible = false;
    PanelCreateAccount.Visible = false;
    panelWithdrawMoney.Visible = false;
    txtActivitiesUsername.Clear();
}

else
{

    MessageBox.Show("Username does not exist!", "ALERT", MessageBoxButtons.OK,
    MessageBoxIcon.Error);
}

}

}

}
```

}