Form 1

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 assignment

{

public partial class Main\_form : Form

{

public Main\_form()

{

InitializeComponent();

}

private void button1\_Click(object sender, EventArgs e)

{

New\_Account frm =new New\_Account();// showing the New\_Account form

frm.Show();

}

public void Main\_form\_Load(object sender, EventArgs e)

{

}

private void button2\_Click(object sender, EventArgs e)

{

Modify\_Account frm = new Modify\_Account();// showing the Modify\_Account form

frm.Show();

}

private void button3\_Click(object sender, EventArgs e)

{

Deposit\_and\_withdrawal frm = new Deposit\_and\_withdrawal();//showing the Deposit\_and\_Withdrawal form

frm.Show();

}

private void button4\_Click(object sender, EventArgs e)

{

View\_account frm = new View\_account();//showing the view account form

frm.Show();

}

private void button1\_Click\_1(object sender, EventArgs e)

{

//string[] Account = { "First line", "Second line", "Third line" };

// WriteAllLines creates a file, writes a collection of strings to the file,

// System.IO.File.WriteAllLines(@"This PC:\Documents\assignments y2\assignment\assignment\Accounts.txt", Account);

}

}

}

Form2

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 assignment

{

public partial class New\_Account : Form

{

public New\_Account()

{

InitializeComponent();

}

private void New\_Account\_Load(object sender, EventArgs e)

{

}

private void label4\_Click(object sender, EventArgs e)

{

}

private void button1\_Click(object sender, EventArgs e)

{

decimal account\_balance = account.account\_balance;

string account\_type = account.account\_type;

decimal overdraft\_limit = current\_account.overdraft\_limit;

account\_balance = 1;

if (account\_balance < 0) ;

{

MessageBox.Show("please enter an inital balance above 0");

}

//if (account\_type == "CurrentAccount" && account\_balance < overdraft\_limit);

//{

//}

}

private void numericUpDown1\_ValueChanged(object sender, EventArgs e)

{

}

}

}

Modify account.

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 assignment

{

public partial class Modify\_Account : Form

{

public Modify\_Account()

{

InitializeComponent();

}

private void Account\_Type\_Select\_SelectedIndexChanged(object sender, EventArgs e)

{

}

public void Apply\_Changes\_Click(object sender, EventArgs e)

{

//TableAdapter.Update(DataTable);

}

public void Update\_address\_Click(object sender, EventArgs e)

{

string x\_axis = account.x\_axis;

decimal y\_axis = account.y\_axis;

DataSet accountdDataSet = new DataSet();

y\_axis = Acount\_Number.Value + 1;

x\_axis = "customer address";

new acountsDataSet2();

try

{

this.Validate();

this.bindingSource1.EndEdit();

this.accountsTableAdapter1.Update(this.acountsDataSet);

}

catch

{

}

MessageBox.Show("changes saved");

}

public void Update\_name\_Click(object sender, EventArgs e)

{

string x\_axis = account.x\_axis;

decimal y\_axis = account.y\_axis;

new acountsDataSet2();

this.Validate();

this.bindingSource1.EndEdit();

this.accountsTableAdapter1.Update(this.acountsDataSet);

y\_axis = Acount\_Number.Value + 1;

x\_axis = "customer name";

MessageBox.Show("changes saved");

}

public void Update\_type\_Click(object sender, EventArgs e)

{

string x\_axis = account.x\_axis;

decimal y\_axis = account.y\_axis;

new acountsDataSet2();

this.Validate();

this.bindingSource1.EndEdit();

this.accountsTableAdapter1.Update(this.acountsDataSet);

y\_axis = Acount\_Number.Value + 1;

x\_axis = "account type";

MessageBox.Show("changes saved");

}

public void bindingSource1\_CurrentChanged(object sender, EventArgs e)

{

}

}

}

Deposit and withdrawal

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 assignment

{

public partial class Deposit\_and\_withdrawal : Form

{

public Deposit\_and\_withdrawal()

{

InitializeComponent();

}

public void Deposit\_Click(object sender, EventArgs e)

{

decimal account\_balance = account.account\_balance;

string account\_type = account.account\_type;

decimal Transaction\_Fee = fixed\_term\_account.Transaction\_Fee;

string x\_axis = account.x\_axis;

decimal y\_axis = account.y\_axis;

y\_axis = Account\_Number.Value + 1;

MessageBox.Show("deposit successfuly recieved");

account\_balance = (account\_balance + Transfer\_Amount.Value);

if (account\_type == "FixedTermAccount") ;

{

account\_balance = (account\_balance - Transaction\_Fee);

}

}

public void Withdraw\_Click(object sender, EventArgs e)

{

decimal account\_balance = account.account\_balance;

decimal overdraft\_limit = current\_account.overdraft\_limit;

decimal current\_overdraft = current\_account.current\_overdraft;

decimal Transaction\_Fee = fixed\_term\_account.Transaction\_Fee;

Boolean IsFeeCharged = fixed\_term\_account.IsFeeCharged;

string account\_type = account.account\_type;

string x\_axis = account.x\_axis;

decimal y\_axis = account.y\_axis;

y\_axis = Account\_Number.Value + 1;

if (account\_balance > Transfer\_Amount.Value && account\_type !="CurrentAccount") ;

{

MessageBox.Show("insuficant money in account");

return;

}

account\_balance = (account\_balance - Transfer\_Amount.Value);

MessageBox.Show("withdrawal complete");

if (account\_type == "FixedTermAccount") ;

{

IsFeeCharged = true;

}

if (IsFeeCharged = true) ;

{

account\_balance = (account\_balance - Transaction\_Fee);

IsFeeCharged = false;

}

if (account\_type == "CurrentAccount" && Transfer\_Amount.Value > account\_balance && overdraft\_limit == 0) ;

{

account\_balance = (account\_balance - 5);

current\_overdraft = (current\_overdraft + 5);

MessageBox.Show("a £5 overdraft fee has been charged");

}

if (current\_overdraft > overdraft\_limit) ;

{

MessageBox.Show("you are currently over your overdraft limit");

}

}

public void Interest\_Click(object sender, EventArgs e)

{

decimal interest\_rate = savings\_account.interest\_rate;

decimal time\_since\_last\_Interest=savings\_account.time\_since\_last\_interest;

decimal interest\_owed = savings\_account.interest\_owed;

decimal account\_balance = account.account\_balance;

interest\_owed = (interest\_rate \* time\_since\_last\_Interest);

MessageBox.Show("you have gained £ " + interest\_owed + "since you last checked");

account\_balance = (account\_balance + interest\_owed);

}

public void Account\_Number\_TextChanged(object sender, EventArgs e)

{

}

}

}

View account

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 assignment

{

public partial class View\_account : Form

{

public View\_account()

{

InitializeComponent();

}

private void dataGridView1\_CellContentClick(object sender, DataGridViewCellEventArgs e)

{

}

private void View\_account\_Load(object sender, EventArgs e)

{

this.accountsTableAdapter.Fill(this.acountsDataSet.accounts);}

} }