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COP2360 C# Programming I

**Module 6 TUTORIAL 9-2, 9-3, 9-4: Completing the Cell Phone Inventory Application**

SCREENSHOT:

Graphical user interface, application

Description automatically generated

CODE:

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Windows.Forms;

namespace Cell\_Phone\_Inventory

{

public partial class Form1 : Form

{

// List to hold CellPhone objects

List<CellPhone> phoneList = new List<CellPhone>();

public Form1()

{

InitializeComponent();

}

// The GetPhoneData method accepts a CellPhone object

// as an argument. It assigns the data entered by the

// user to the object's properties.

private void GetPhoneData(CellPhone phone)

{

// Temporary variable to hold the price.

decimal price;

//get the phones brand

phone.Brand = brandTextBox.Text;

//get the phones model.

phone.Model = modelTextBox.Text;

// get the phones price

if (decimal.TryParse(priceTextBox.Text, out price))

{

phone.Price = price;

}

else

{

//display an error message.

MessageBox.Show("Invalid price");

}

}

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

{

// Close the form.

this.Close();

}

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

{

// create a cellphone object

CellPhone myPhone = new CellPhone();

//get the phone data.

GetPhoneData(myPhone);

// add the cellphone object to the List.

phoneList.Add(myPhone);

// add an entry to the list box

phoneListBox.Items.Add(myPhone.Brand + " " + myPhone.Model);

// clear the TextBox controls.

brandTextBox.Clear();

modelTextBox.Clear();

priceTextBox.Clear();

//reset the focus

brandTextBox.Focus();

}

private void phoneListBox\_SelectedIndexChanged(object sender, EventArgs e)

{

// get the index of the selected item

int index = phoneListBox.SelectedIndex;

// display the selected items price

MessageBox.Show(phoneList[index].Price.ToString("c"));

}

}

}

//collaboration statement: I worked alone.