

Name:
Session:
Programming II
Working with Multiple Forms
Lab Exercise 3.21.2025

1. Create an application that calculates registration fees for a conference. The general conference registration fee is \$895 per person. There is also an optional opening night dinner with a keynote address for \$30 per person. Additionally, the pre-conference workshops are available:

Workshop	Fee
Introduction to E-commerce	\$295
The Future of Web	\$295
Advanced C#	\$395
Network Security	\$395

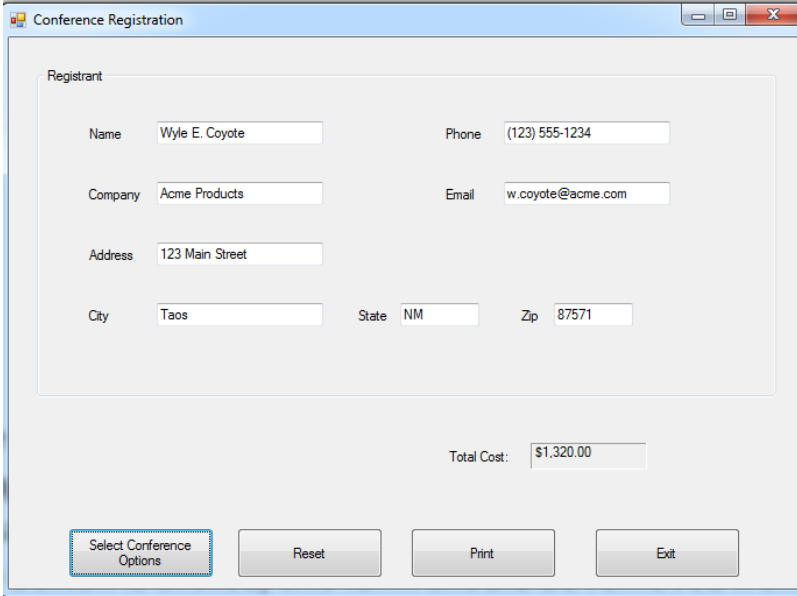
The application will have 3 forms. The main form, a conference options form, and a report form.

The screenshot shows a Windows application window titled "Conference Registration". Inside, there is a "Registrant" section with several text input fields: "Name" (Wyle E. Coyote), "Phone" ((123) 555-1234), "Company" (Acme Products), "Email" (w.coyote@acme.com), "Address" (123 Main Street), "City" (Taos), "State" (NM), and "Zip" (87571). Below these fields is a "Total Cost:" label followed by an empty text box. At the bottom of the form are four buttons: "Select Conference Options", "Reset", "Print", and "Exit".

When the user clicks the *Select Conference Options* button, the Conference Options form should appear.

The screenshot shows a Windows application window titled "Conference Options". It contains two main sections. The "Conference" section has two checked checkboxes: "Conference Registration (\$895)" and "Opening Night Dinner (\$30)". The "Pre-Conference Workshop" section has a "Select One" label above a list box containing five items: "Intro to E-Commerce", "The Future of the Web", "Advanced C#", "Network Security", and "Network Security". The "Advanced C#" item is currently selected and highlighted in blue. At the bottom of the form are two buttons: "Close" and "Reset".

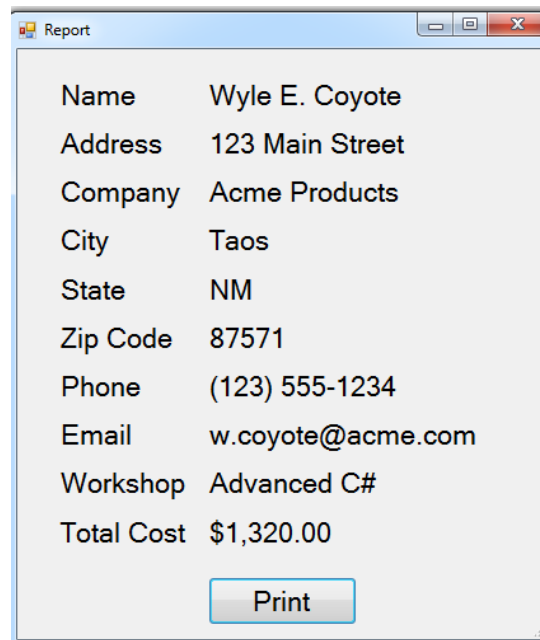
The Conference Options form allows the user to select the regular conference registration, the optional opening night dinner, and one optional pre-conference workshop. Note: the user can not register for any optional activities without selecting the conference registration of \$895. When the close button is clicked, this form should be removed from the screen and the total registration fee should appear on the main form.



The image shows a Windows-style application window titled "Conference Registration". Inside the window, there is a section labeled "Registrant" containing several text input fields. The fields are arranged in two columns. The first column contains "Name", "Company", "Address", "City", and "State". The second column contains "Phone", "Email", and "Zip". Below these fields, there is a "Total Cost" label followed by a text box showing "\$1,320.00". At the bottom of the window, there are four buttons: "Select Conference Options" (highlighted with a blue border), "Reset", "Print", and "Exit".

Field	Value
Name	Wyle E. Coyote
Phone	(123) 555-1234
Company	Acme Products
Email	w.coyote@acme.com
Address	123 Main Street
City	Taos
State	NM
Zip	87571
Total Cost	\$1,320.00

When the Print button is pressed, a Report Form opens and a Print button will print the report.



The image shows a Windows-style application window titled "Report". Inside the window, there is a list of fields and their corresponding values, arranged in a two-column format. The fields are: Name, Address, Company, City, State, Zip Code, Phone, Email, Workshop, and Total Cost. At the bottom of the window, there is a "Print" button.

Name	Wyle E. Coyote
Address	123 Main Street
Company	Acme Products
City	Taos
State	NM
Zip Code	87571
Phone	(123) 555-1234
Email	w.coyote@acme.com
Workshop	Advanced C#
Total Cost	\$1,320.00

1. We will start by working on the code for frmMain. Add the following public static global variables that are shared with other forms.

```
public static int total;  
public static string workshop;
```
2. Add the following code to the btnPrint_Click event. Notice that the frmReport constructor is passed 8 textbox objects, 1 label and a string)

```
frmReport frmPrint = new frmReport(txtName, txtAddress, txtCity, txtState,  
    txtZip, txtPhone, txtEmail, txtCompany, lblTotal, workshop);  
frmPrint.ShowDialog();  
btnPrint.Enabled = false;
```
3. Add the following code to the btnReset_Click event.

```
txtAddress.Text = "";  
txtCity.Text = "";  
txtCompany.Text = "";  
txtEmail.Text = "";  
txtName.Text = "";  
txtPhone.Text = "";  
txtState.Text = "";  
txtZip.Text = "";  
lblTotal.Text = "";  
btnPrint.Enabled = false;  
txtName.Focus();
```
4. Add the following code to the btnSelect_Click event.

```
frmOptions options = new frmOptions();  
options.ShowDialog();  
lblTotal.Text = total.ToString("c");  
btnPrint.Enabled = true;
```
5. Now we will work on the code for frmOptions.

6. Add the following code to the btnClose_Click event.

```
//Local variables
int total = 0;
string workshop = "";

if (ckbReg.Checked) //registered for conference
{
    total += 895;
    if (ckbDinner.Checked) //having dinner
        total += 30;

    //Add cost and select name of chosen workshop
    switch (lstWorkshop.SelectedIndex)
    {
        case 0:
            total += 295;
            workshop = lstWorkshop.SelectedItem.ToString();
            break;
        case 1:
            total += 295;
            workshop = lstWorkshop.SelectedItem.ToString();
            break;
        case 2:
            total += 395;
            workshop = lstWorkshop.SelectedItem.ToString();
            break;
        case 3:
            total += 495;
            workshop = lstWorkshop.SelectedItem.ToString();
            break;
    } //end of switch

    //get workshop information back to main form
    frmMain.workshop = workshop;
} //end of if
//get total cost information back to main form
frmMain.total = total;

//Close current form
this.Close();
```

7. Now we will work on the code for frmReport.

8. Modify the frmReport constructor to be

```
public frmReport(TextBox txtName ,TextBox txtAddress, TextBox txtCity, TextBox txtState,
    TextBox txtZip, TextBox txtPhone, TextBox txtEmail, TextBox txtCompany,
    Label lblTotal, string workshop)
{
    InitializeComponent();

    //Put all information passed to this form into the report fields for printing
    lblName.Text = txtName.Text;
    lblAddress.Text = txtAddress.Text;
    lblCity.Text = txtCity.Text;
    lblState.Text = txtState.Text;
    lblZIP.Text = txtZip.Text;
    lblPhone.Text = txtPhone.Text;
    lblEmail.Text = txtEmail.Text;
    lblCompany.Text = txtCompany.Text;
    lblWorkshop.Text = workshop;
    lblCost.Text = lblTotal.Text;
}
```
9. Add the following code to the btnPrint_Click event.

```
printForm1.Print();
this.Close();
```
10. Now test your application.

When you complete your application submit screen shots of all 3 forms in their running state.