Laboratory Exercise
Working with Windows Control

Objectives:

At the end of the exercise, the students should be able to:
- Learn the basic knowledge of windows control
- Good practice of naming convention for windows control
- Creating a simple project by using windows control

Materials:
- Flash drive
- PC with installed Microsoft Visual C# 2010 Express

Procedures:

Create a new project
1. Name your project as **Windows Control Project.**
2. Click **OK.**

Activity 1   Manipulating the windows form
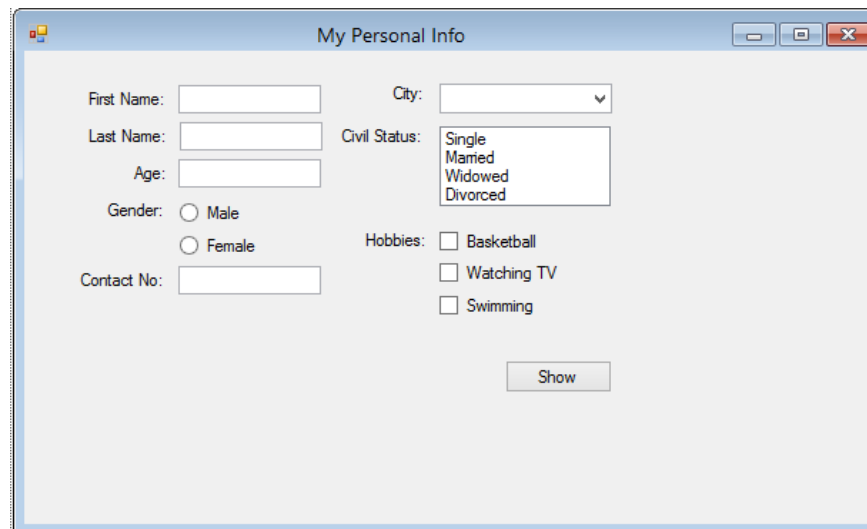

Figure 3.1 Windows Form

1. **Name** the **Form1** as **frmMain.**
2. **Change** the **Text Property** of **frmMain** to **My Personal Info**
3. Add 4 **Textbox** and change the **Name Property:**
    a. **textbox1 = txtFirstName**
    b. **textbox2 = txtLastName**
    c. **textbox3 = txtAge**
    d. **textbox4 = txtContactNo**
4. Add 6 **Labels** and Change the **Text Property:**
    a. **label1 = First Name:**
    b. **label2 = Last Name:**
    c. **label3 = Age:**

      d.   **label4 = City:**
      e.   **label5 = Gender:**
      f.   **lebel6 = Contact No:**
      g.   **label7 = Hobbies:**
      h.   **label8 = Civil Status:**

5. Add **1 Combo Box** then change the **Name Property** and add list items to **Item Property**
   a. **Name Property**
      i. **listbox1 = lstCivilStatus**
   b. **Item Property**
      i. **Caloocan**
      ii. **Makati**
      iii. **Malabon**
      iv. **Mandaluyong**
      v. **Manila**
      vi. **Marikina**
      vii. **Muntinlupa**
      viii. **Navotas**
      ix. **Pasay**
      x. **Pasig**

6. Add **2 Radio Buttons** and change the **Name Property** and **Text Property:**
   a. **Name Property**
      i. **radiobutton1 = rbnMale**
      ii. **radiobutton2 = rdnFemale**
   b. **Text Property**
      i. **rbnMale = Male**
      ii. **rbnFemale = Female**

7. Add **1 List Box** then change the **Name Property** and add list items to **Item Property** the following:
   a. **Name Property**
      i. **Listbox1 = lstCivilStatus**
   b. **Item Property**
      i. **Single**
      ii. **Married**
      iii. **Widowed**
      iv. **Divorced**

8. Add **4 Checkboxes** and change the **Name Property** and **Text Property:**
   a. **Name Property**
      i. **checkbox1 = chkBasketBall**
      ii. **checkbox2 = chkWatchingTV**
      iii. **checkbox3 = chkSwimming**
   b. **Text Property**
      i. **chkBasketBall = Basketball**
      ii. **chkWatchingTv = Watching TV**
      iii. **chkSwimming = Swimming**

9. Add **2 Buttons** and change the **Name Property** and **Text Property:**
   a. **Name Property**
      i. **button1 = btnShowResult**
   b. **Text Property**
      i. **btnShowResult = Show**

10. Add the following code and observe:

```csharp
private void btnShowResult_Click(object sender, EventArgs e)
{
        string Gender = String.Empty;
        string Hobbies = String.Empty;
        string City = String.Empty;
        string CivilStatus = String.Empty;
```

```csharp
// condition for gender
if (rbnMale.Checked == true)
{
    Gender = " Male";
}
else if (rbnFemale.Checked == true)
{
    Gender = " Female";
}

// condition for hobbies
if (chkBasketBall.Checked == true)
{
    Hobbies = Hobbies + "\t" + "Basketball" + Environment.NewLine;
}

if (chkSwimming.Checked == true)
{
    Hobbies = Hobbies + "\t" + "Swimming" + Environment.NewLine;
}

if (chkWatchingTV.Checked == true)
{
    Hobbies = Hobbies + "Watching TV" + Environment.NewLine;
}

if (chkBasketBall.Checked == false && chkSwimming.Checked == false && chkWatchingTV.Checked == false)
{
    Hobbies = Hobbies + "\t" + "none" + Environment.NewLine;
}

City = cboCity.Text;

CivilStatus = lstCivilStatus.Text;

MessageBox.Show("Full name: " + txtFirstName.Text + " " + txtLastName.Text + Environment.NewLine
        + "Age: " + txtAge.Text + Environment.NewLine
        + "Gender: " + Gender + Environment.NewLine
        + "Contact No: " + txtContactNo.Text + Environment.NewLine
        + "City: " + City + Environment.NewLine
        + "Civil Status: " + CivilStatus + Environment.NewLine
        + "Hobbies:" + Hobbies,"Personal Info Summary");
}
```

Activity 2: Practice

Create a registration/application form for an online system. The form should have all the types of control and fields should be more than six (6).