

# Workshop on C# Programming: Learn to Build

Date :

Day 1 - 26, October 2018

Day 2 - 2, November 2018

Day 3 - 9, November 2018



Sponsored by:



Young Engineers Society

Organized by :

East West University  
Computer Programming Club

**C#**

Day 2

Lecture12: Form Design

# Form Design: MessageBox

```
using System;  
using System.Text;  
using System.Windows.Forms;  
  
public class HelloWorld  
{  
    public static void Main()  
    {  
        MessageBox.Show("Hello World!");  
    }  
}
```

# Form Design: TextBox

```
private void button1_Click(object sender, EventArgs e)
{
    text1.Text = textBox1.Text.ToString();
    text2.Text = textBox2.Text.ToString();

    MessageBox.Show("You've successfully logged in.", "Log in");
}
```

# Form Design: Label

```
private void button1_Click(object sender, EventArgs e)
{
    label1.Text = label1.Text.ToString().ToUpper();
    label2.Text = label2.Text.ToString().ToLower();

    MessageBox.Show("You've successfully logged in.", "Log in");
}
```

# Form Design: CheckBox

```
private void checkBox1_CheckedChanged(object sender, EventArgs e)
{
    if(checkBox1.Checked)
        textBox2.UseSystemPasswordChar = false;
    else
        textBox2.UseSystemPasswordChar = true;
}
```

# Form Design: CheckBox

```
private void button1_Click(object sender, EventArgs e)
{
    textBox1.Text = textBox1.Text.ToString();
    textBox2.Text = textBox2.Text.ToString();
    MessageBox.Show("You've successfully logged in.", "Log in");
}

private void checkBox1_CheckedChanged(object sender, EventArgs e)
{
    if (checkBox1.Checked)
    {
        textBox2.UseSystemPasswordChar = false;
    }
    else
    {
        textBox2.UseSystemPasswordChar = true;
    }
}
```

# Form Design: RadioButton

```
string radio="radio";
```

```
private void radioButton1_CheckedChanged(object sender, EventArgs e)
{
    radio = "Button1";
}
```

```
private void radioButton2_CheckedChanged(object sender, EventArgs e)
{
    radio = "Button2";
}
```



# Form Design: PictureBox

```
private void pictureBox1_Click(object sender, EventArgs e)
{
    pictureBox1.SizeMode.GetType();
}
```

# Windows Form Design

- Let's design a Form.

firstForm (Running) - Microsoft Visual Studio

FileEditViewProjectBuildDebugTeamFormatToolsTestR ToolsAnalyzeWindowHelp

DebugAny CPUContinue

Process: [3380] firstForm.exeLifecycle Events Thread:Stack Frame:

Solution Explorer

Form1.csForm1.cs [Design]


Search Solution Explorer

Solution 'firstForm'

firstForm

- Properties
- References
- App.config
- Form1.cs
  - Form1.Designer.cs
  - Form1.g.resources
- Program.cs

Form1



Your Name

Jannat Binta Alam

Your Message

I'm from Bangladesh.

Send

Diagnostic Tools

Diagnostics session...

5:04min

Events

- Process Memory (...
- CPU (% of all proc...

SummaryEvents

Events

- Show Events (0 of ...)

Memory Usage

- Take Snapshot

CPU Usage

- Record CPU Profile

Solution ExplorerClass ViewAutosLocalsThreadsModulesWatch 1Call StackBreakpointsException SettingsOutput

Ready

Add to Source Control

Type here to search

2:50 PM

firstForm (Running) - Microsoft Visual Studio

FileEditViewProjectBuildDebugTeamToolsTestR ToolsAnalyzeWindowHelp

DebugAny CPUContinue

Process: [5576] firstForm.exeLifecycle Events Thread:Stack Frame:

Solution Explorer

Search Solution Explorer (Ctrl+;)

Solution 'firstForm' (1 project)

firstForm

- Properties
- References
- App.config
- Form1.cs
  - Form1.Designer.cs
  - Form1.resx
- Program.cs


Form1.cs [Design]

firstForm

- firstForm
  - namespace firstForm
    - {
    - public partial class Form1 : Form

textBox1\_TextChanged(object sender, EventArgs e)

Form1



Your Name

Jannat Binta Alam

Your Message

I'm from Bangladesh.

Send

sent!

OK

Diagnostic To...

Diagnostics session...

Events

Process Memory (...)

CPU (% of all proc...

SummaryEvents

Events

- Show Events (0 of

Memory Usage

- Take Snapshot

CPU Usage

- Record CPU Profil

Ready

Ln 1Col 1Ch 1INS

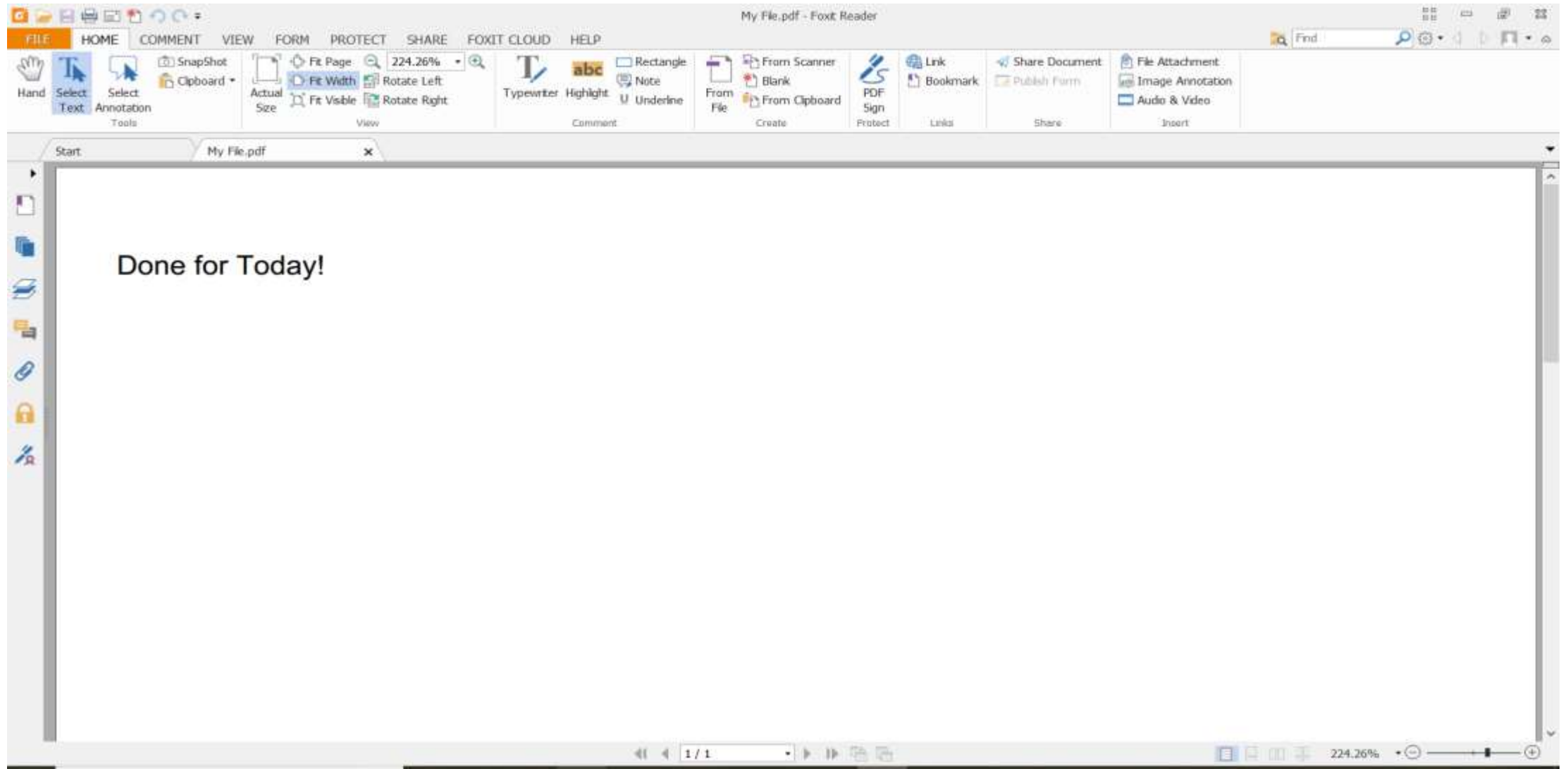
Add to Source Control

2:57 PM

# Windows Form Design: Make PDF

- Write some code to generate a PDF.
- Hint:
  - First design a form
  - Use some methods

# Windows Form Design: Make PDF



# Windows Form Design: Make PDF

```
using System.IO;
using iTextSharp.text;
using iTextSharp.text.pdf;
private void button1_Click(object sender, EventArgs e)
{
    Document doc = new Document(iTextSharp.text.PageSize.LETTER, 25, 25, 30, 20);
    PdfWriter myPDF = PdfWriter.GetInstance(doc, new FileStream(textBox1.Text.ToString()
        + ".pdf", FileMode.Create));
    Paragraph pri = new Paragraph(textBox2.Text.ToString());
    doc.Open();
    doc.Add(pri);
    doc.Close();
    MessageBox.Show("Saved");
}
```

This slide is provided as a course material in the workshop named  
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