

جامعة بغداد / كلية التربية للعلوم الصرفة ابن الهيثم / قسم علوم الحاسبات
المرحلة الثالثة صباحي / مسائي (نظري)
السنة ٢٠٢٤-٢٠٢٥
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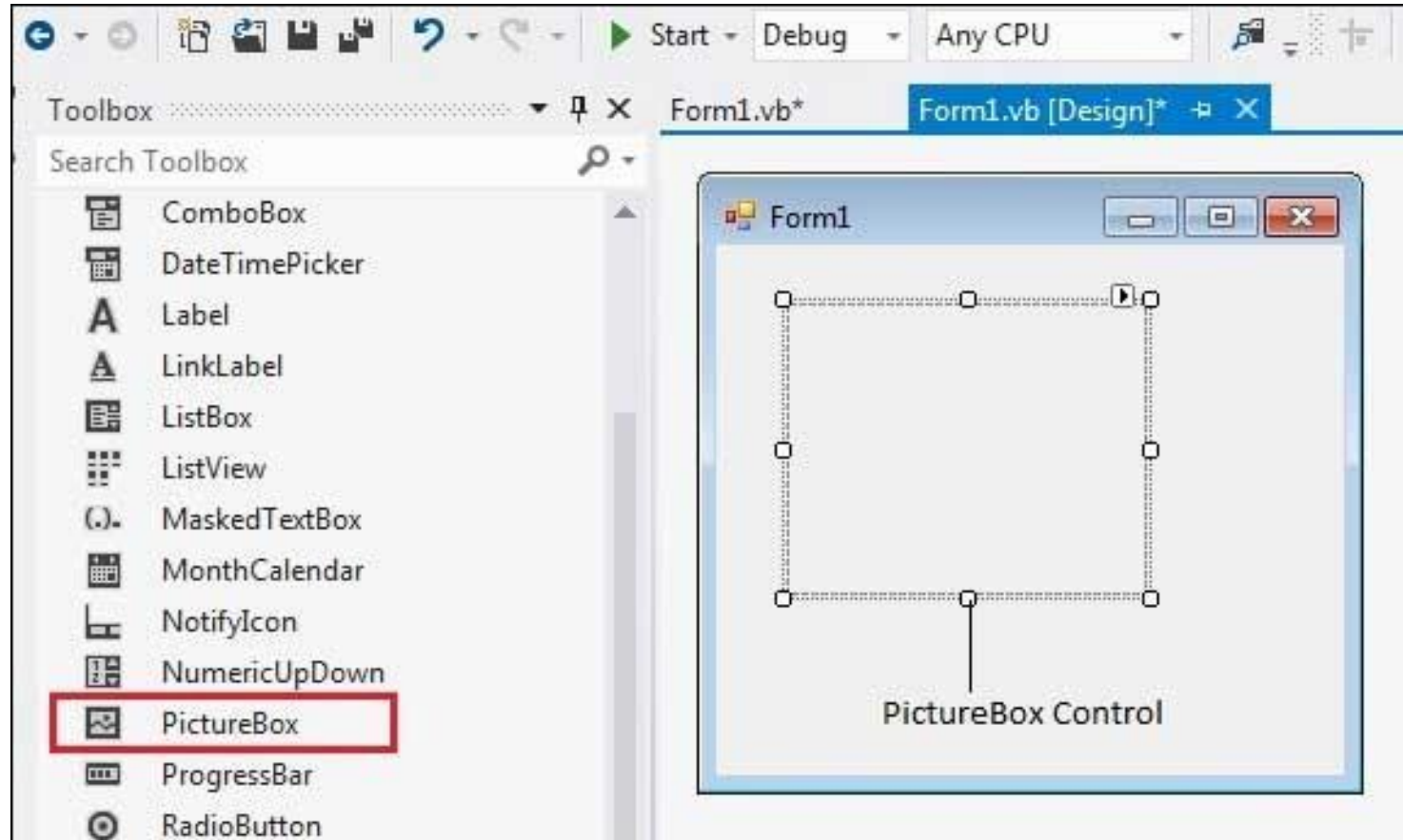
Visual Programming

Lecture 4 – PictureBox Control & Windows Media Player Control

PictureBox Control

The PictureBox control is used for displaying images on the form. The Image property of the control allows you to set an image both at design time or at run time.

Let's create a picture box by dragging a PictureBox control from the Toolbox and dropping it on the form.



PictureBox Control

You can set the Image property to the Image you want to display, either at design time or at run time. You can programmatically change the image displayed in a picture box, which is particularly useful when you use a single form to display different pieces of information.

```
PictureBox1.Image = Image.FromFile("C:\testImage.jpg")
```

Properties of the PictureBox Control

The `SizeMode` property, which is set to values in the `PictureBoxSizeMode` enumeration, controls the clipping and positioning of the image in the display area.

```
PictureBox1.SizeMode = PictureBoxSizeMode.StretchImage
```

here are five different `PictureBoxSizeMode` is available to `PictureBox` control.

`AutoSize` - Sizes the picture box to the image.

`CenterImage` - Centers the image in the picture box.

`Normal` - Places the upper-left corner of the image at upper left in the picture box.

`StretchImage` - Allows you to stretch the image in code.

You can change the size of the display area at run time with the `ClientSize` property.

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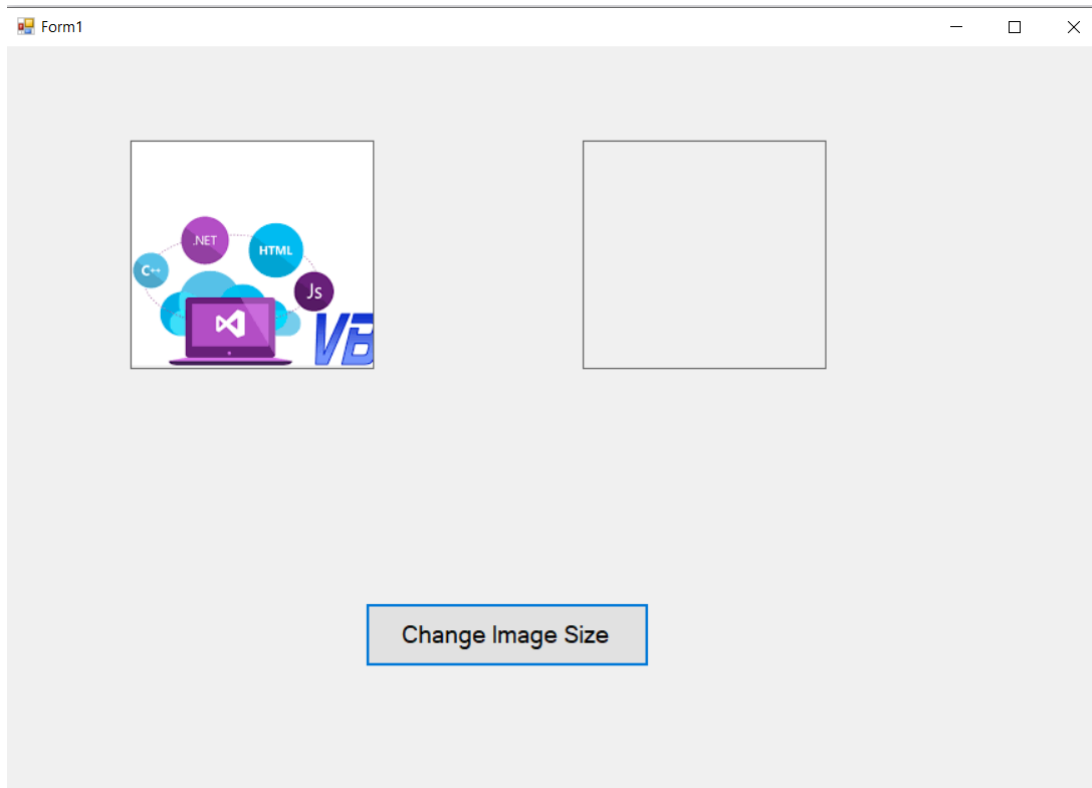
```
pictureBox1.ClientSize = New Size(xSize, ySize)
```

Example

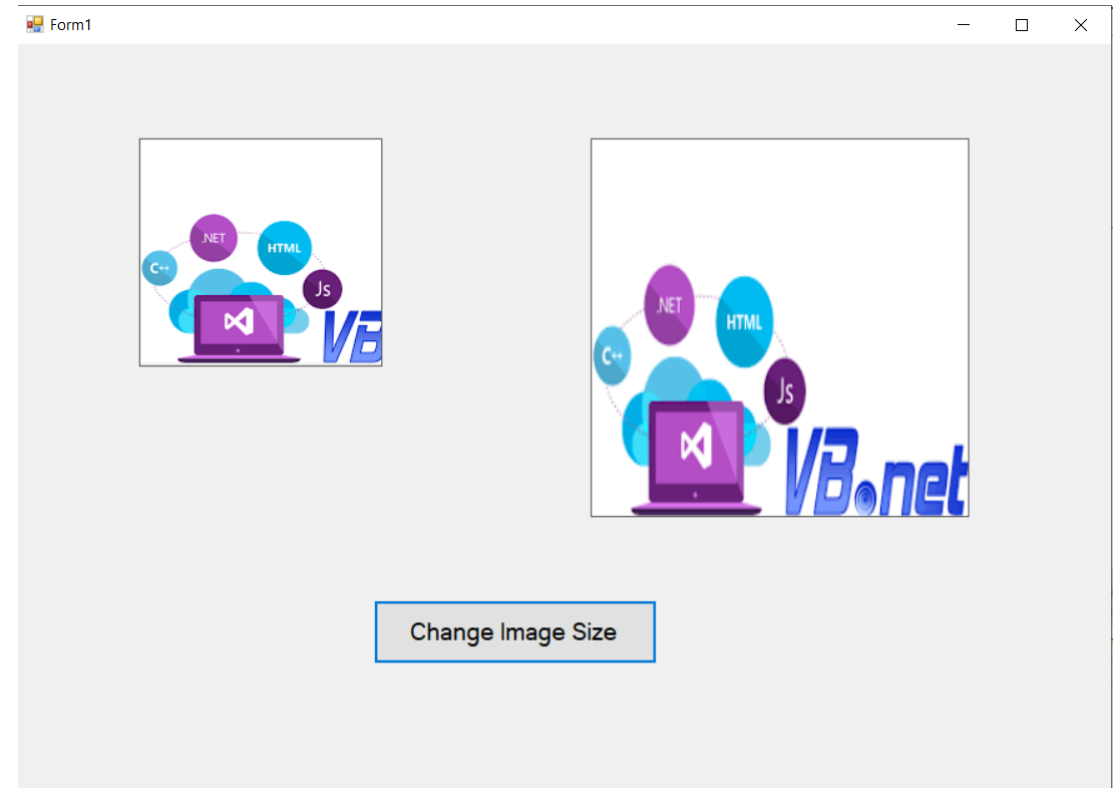
In this example, let us put two PictureBox and a button control on the form. We set the image property of the picture box to 11.png, as we used before. The Click event of the button named Button1 is to show the change of properties in PictureBox2.

```
PictureBox2.Image = Image.FromFile("C:\Users\user\Desktop\2020-2021\vb\11.png")  
PictureBox2.ClientSize = New Size(300, 300)  
PictureBox2.SizeMode = PictureBoxSizeMode.StretchImage
```

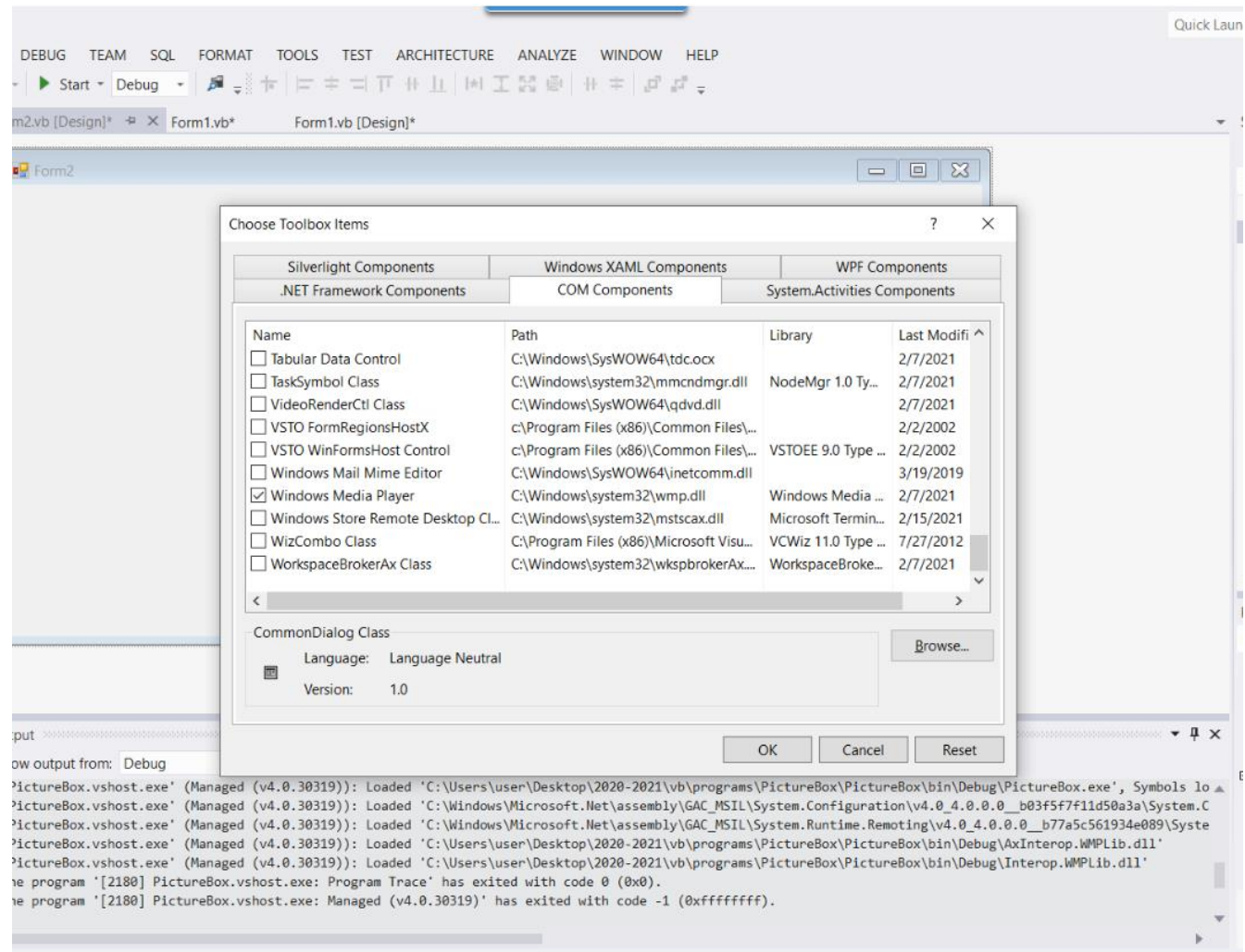
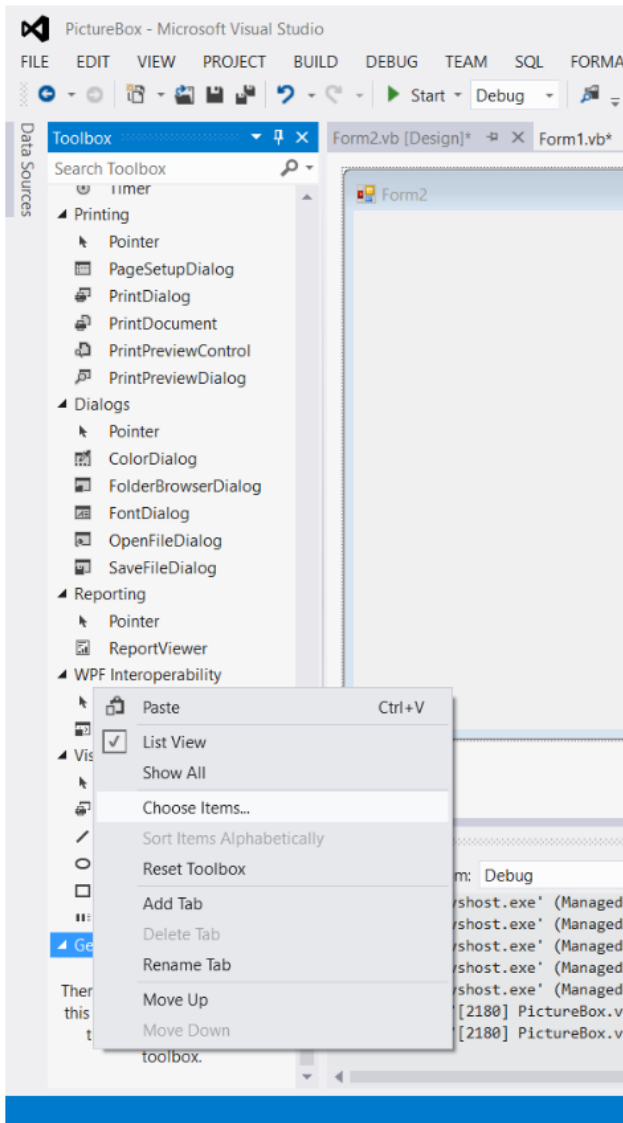
Before pressing Button1



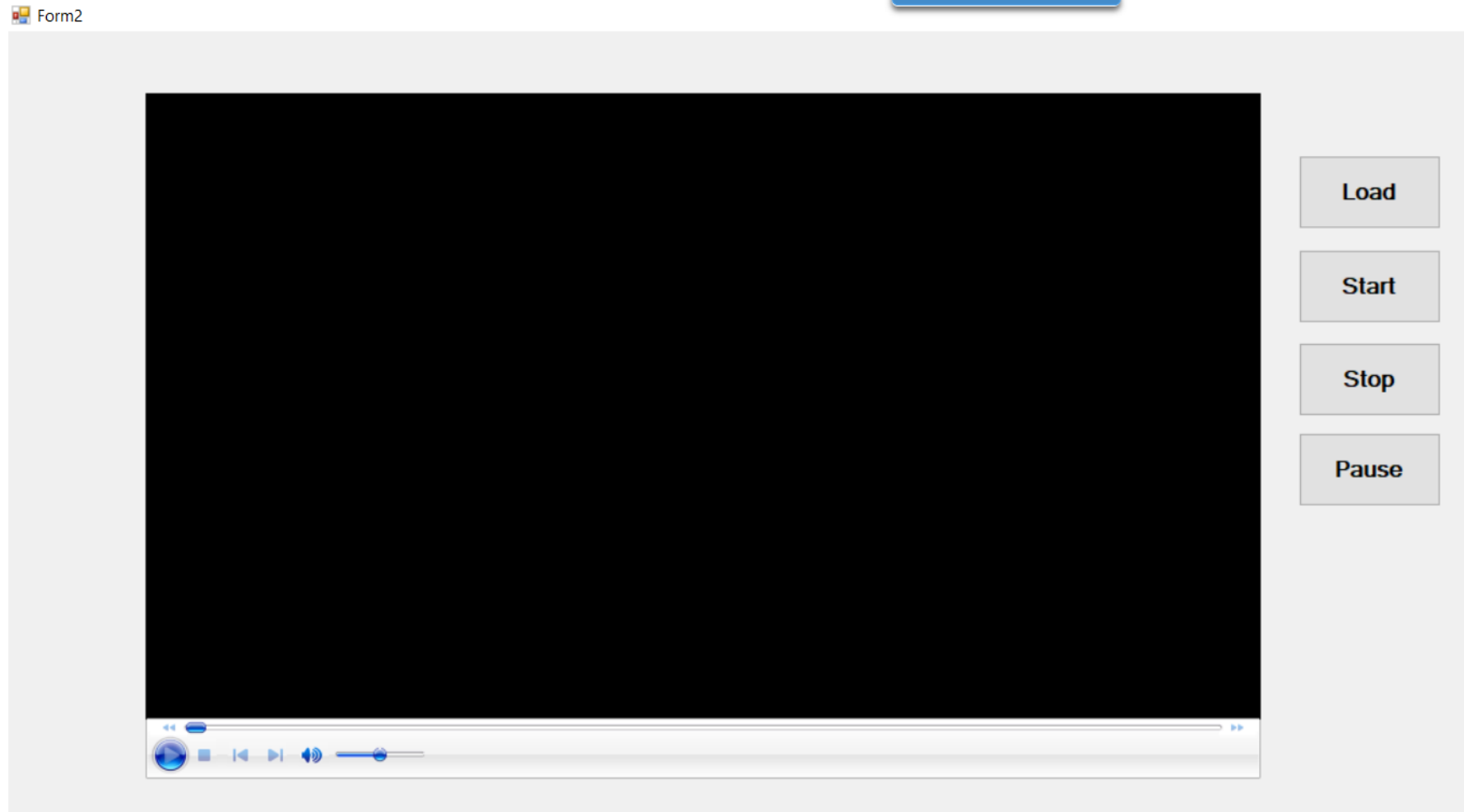
After pressing Button1



Windows Media Player Control



Example



The Code

```
Public Class Form2
```

```
    Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click  
        AxWindowsMediaPlayer1.URL = "C:\Users\user\Desktop\TOM&JERRY.mp4"  
    End Sub
```

```
    Private Sub Button2_Click(sender As Object, e As EventArgs) Handles Button2.Click  
        AxWindowsMediaPlayer1.Ctlcontrols.play()  
    End Sub
```

```
    Private Sub Button3_Click(sender As Object, e As EventArgs) Handles Button3.Click  
        AxWindowsMediaPlayer1.Ctlcontrols.stop()  
    End Sub
```

```
    Private Sub Button4_Click(sender As Object, e As EventArgs) Handles Button4.Click  
        AxWindowsMediaPlayer1.Ctlcontrols.pause()  
    End Sub
```

```
End Class
```

The Implementation

