



# Chapter 7

Windows Form Application  
Part 3

# Overview

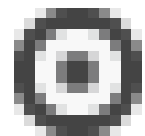
- RadioButton
- DateTimePicker
- NumericUpDown
- OpenFileDialog
- PictureBox





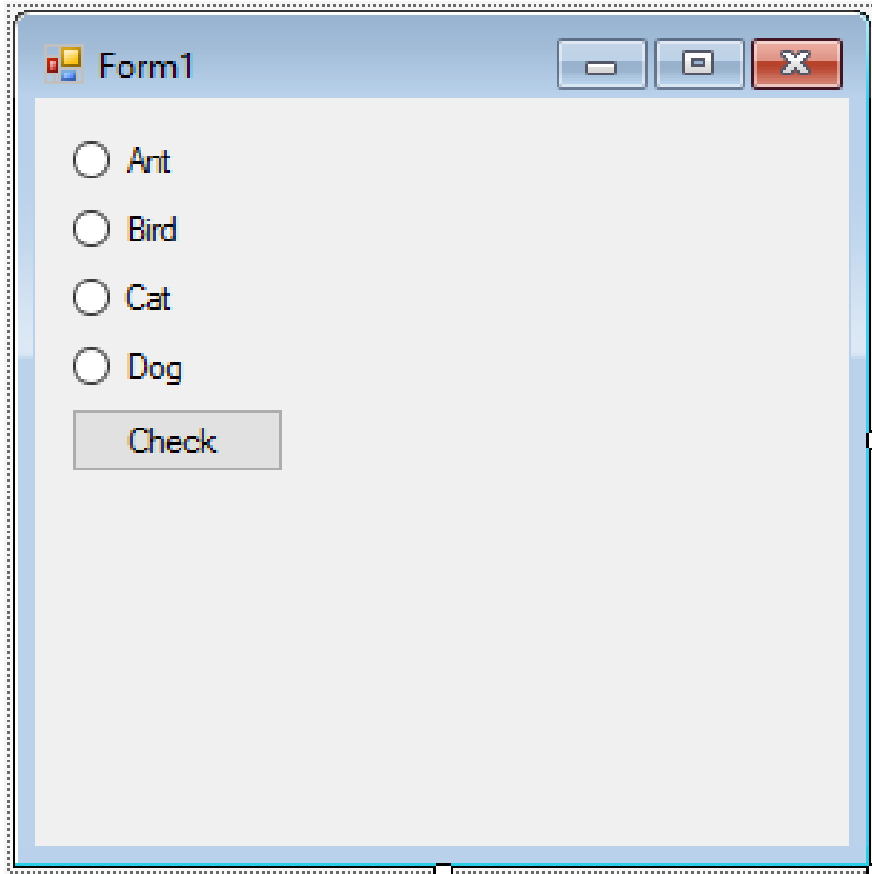
# RadioButton

- A radio button enables the user to select a single option from a group of choices when paired with other RadioButton controls.
- When a user clicks on a radio button, it becomes checked, and all other radio buttons with same group become unchecked



RadioButton

# RadioButton



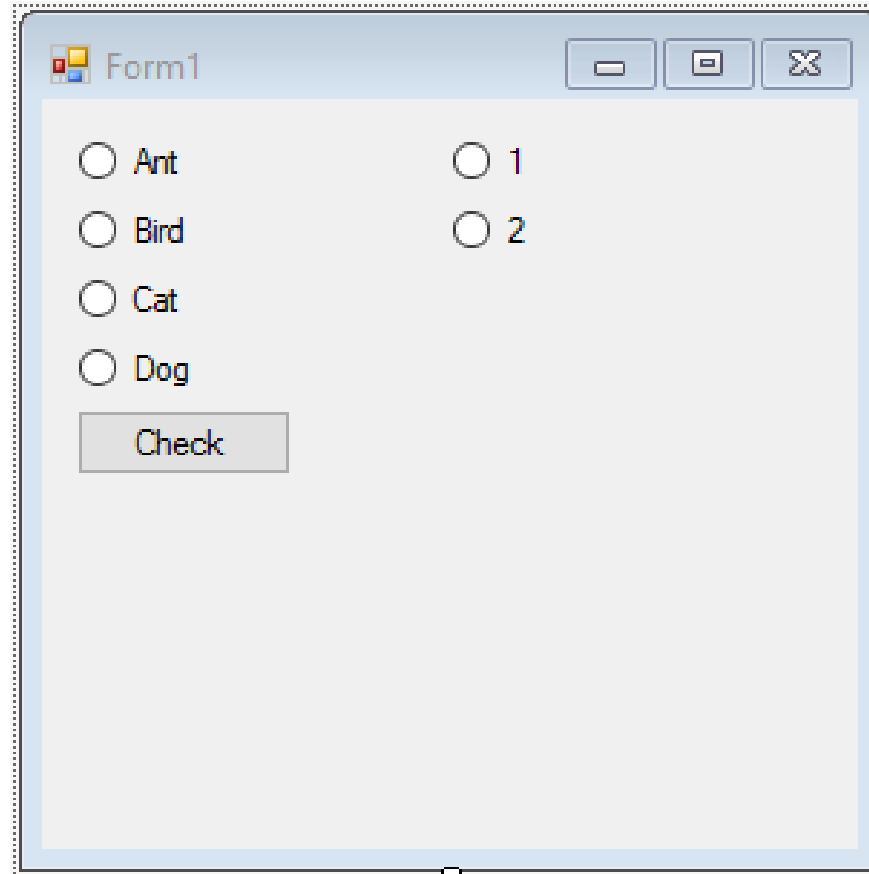
A screenshot of a Windows application window titled "Form1". The window contains four radio buttons arranged vertically, labeled "Ant", "Bird", "Cat", and "Dog". Below the radio buttons is a button labeled "Check". The window has standard Windows window controls (minimize, maximize, close) in the top right corner.

```
private void bt_check_Click(object sender, EventArgs e)
{
    String msg = "You Select ";
    if (rb_1.Checked)
    {
        msg += rb_1.Text;
    }
    else if (rb_2.Checked)
    {
        msg += rb_2.Text;
    }
    else if (rb_3.Checked)
    {
        msg += rb_3.Text;
    }
    else
    {
        msg += rb_4.Text;
    }
    MessageBox.Show(msg);
}
```



# RadioButton

- ลองเพิ่ม RadioButton
- ทดสอบโปรแกรม

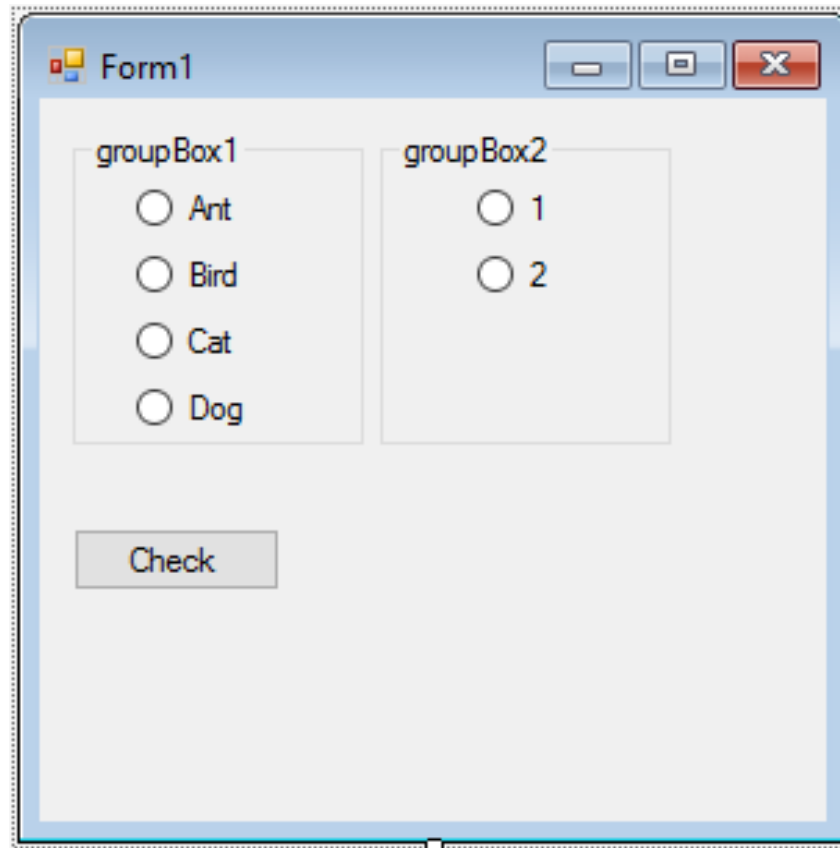


The screenshot shows a Windows application window titled "Form1". Inside the window, there are four radio buttons arranged vertically on the left: "Ant", "Bird", "Cat", and "Dog". To the right of these, there are two more radio buttons labeled "1" and "2". Below the radio buttons is a rectangular button labeled "Check". The window has a standard Windows title bar with minimize, maximize, and close buttons.



# RadioButton

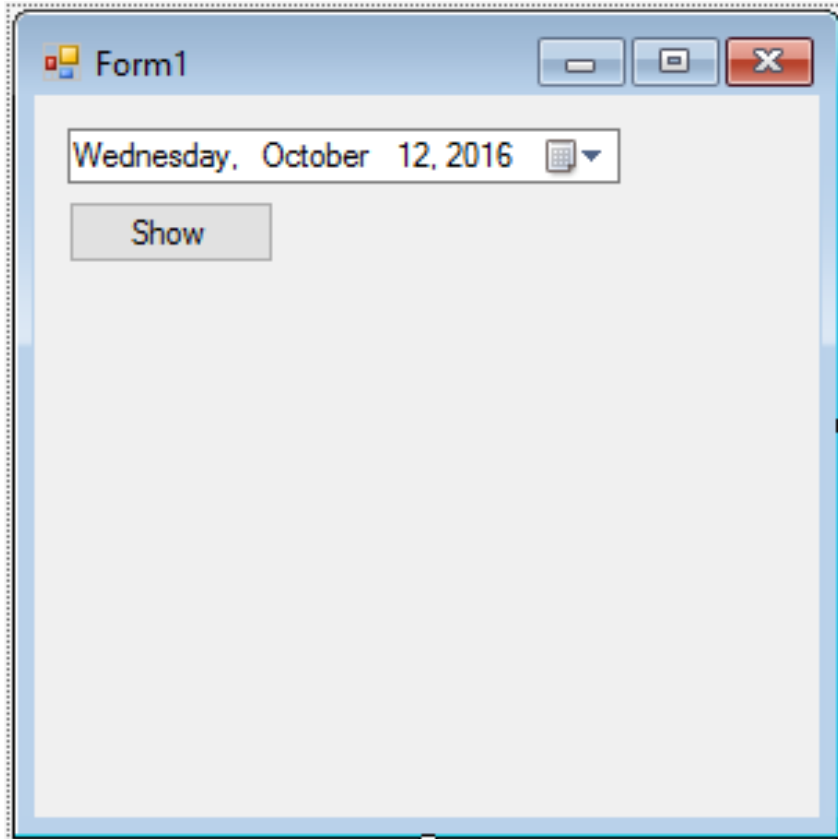
- แยกกลุ่ม RadioButton



The screenshot shows a Windows application window titled "Form1". Inside the window, there are two group boxes. The first group box, labeled "groupBox1", contains four radio buttons with the labels "Ant", "Bird", "Cat", and "Dog". The second group box, labeled "groupBox2", contains two radio buttons with the labels "1" and "2". Below these two group boxes is a button labeled "Check".



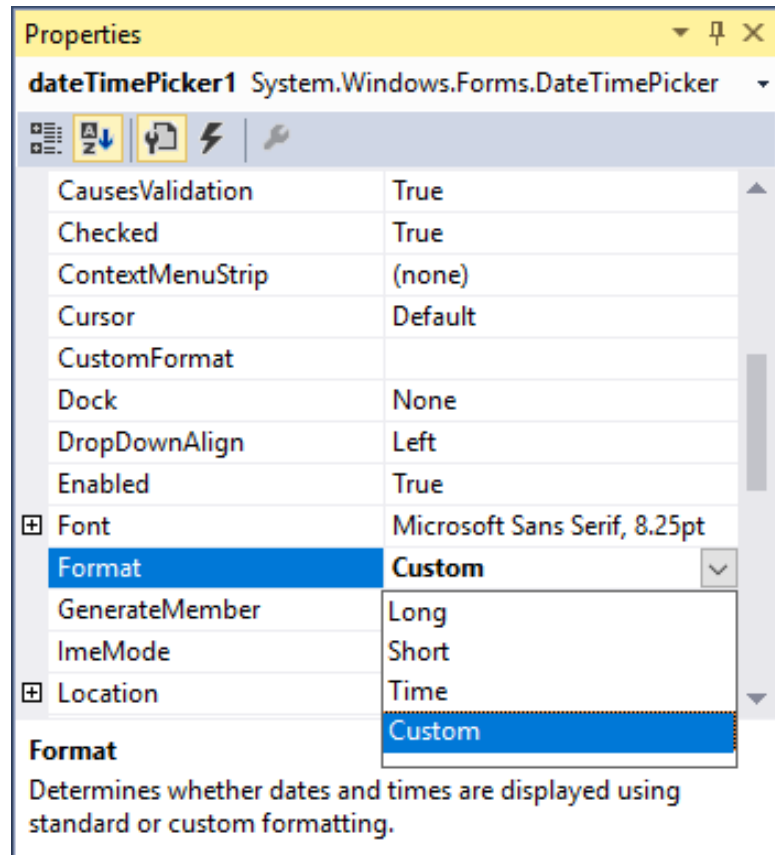
# DateTimePicker



```
private void bt_Show_Click(object sender, EventArgs e)
{
    MessageBox.Show(dateTimePicker1.Text);
}
```

# DateTimePicker

- ปรับ Format DateTimePicker



Format string	Description
d	The one- or two-digit day.
dd	The two-digit day. Single-digit day values are preceded by a 0.
ddd	The three-character day-of-week abbreviation.
dddd	The full day-of-week name.
h	The one- or two-digit hour in 12-hour format.
hh	The two-digit hour in 12-hour format. Single digit values are preceded by a 0.
H	The one- or two-digit hour in 24-hour format.
HH	The two-digit hour in 24-hour format. Single digit values are preceded by a 0.
m	The one- or two-digit minute.
mm	The two-digit minute. Single digit values are preceded by a 0.
M	The one- or two-digit month number.
MM	The two-digit month number. Single digit values are preceded by a 0.
MMM	The three-character month abbreviation.
MMMM	The full month name.
s	The one- or two-digit seconds.
ss	The two-digit seconds. Single digit values are preceded by a 0.
t	The one-letter A.M./P.M. abbreviation (A.M. is displayed as "A").
tt	The two-letter A.M./P.M. abbreviation (A.M. is displayed as "AM").
y	The one-digit year (2001 is displayed as "1").
yy	The last two digits of the year (2001 is displayed as "01").
yyyy	The full year (2001 is displayed as "2001").





# DateTimePicker



Properties

**dateTimePicker1** System.Windows.Forms.DateTimePicker

CausesValidation	True
Checked	True
ContextMenuStrip	(none)
Cursor	Default
<b>CustomFormat</b>	<b>dd/MM/yyyy</b>
Dock	None
DropDownAlign	Left

Form1

14/10/ 2559

Show

14/10/2559

OK

A screenshot of a Windows application window titled 'Form1'. It contains a DateTimePicker control with the text '14/10/ 2559' and a calendar icon. Below the control is a 'Show' button. A dialog box is open, displaying the date '14/10/2559' and an 'OK' button.

# DateTimePicker

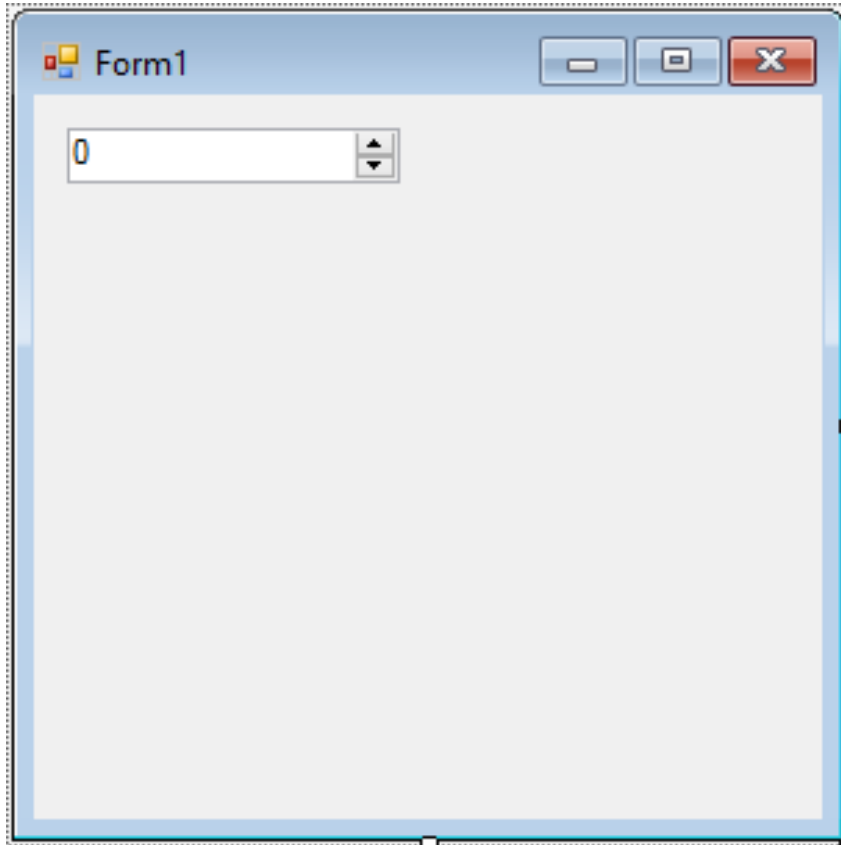


	ImeMode	NoControl
+	Location	<b>12, 12</b>
	Locked	False
+	Margin	3, 3, 3, 3
	MaxDate	31/12/41
+	MaximumSize	0, 0
	MinDate	01/01/96
+	MinimumSize	0, 0
	Modifiers	Private
	RightToLeft	No
	RightToLeftLayout	False
	ShowCheckBox	False
	ShowUpDown	False

# NumericUpDown



NumericUpDown



ทดสอบการทำงาน

# NumericUpDown



- แสดงค่าปัจจุบัน

A screenshot of a Windows application window titled 'Form1'. Inside the window, there is a NumericUpDown control showing the value '0'. Below the control is a button labeled 'Show'.

```
private void bt_Show_Click(object sender, EventArgs e)
{
    MessageBox.Show(numericUpDown1.Value.ToString());
}
```



# NumericUpDown

- Minimum and Maximum Range

ImeMode	NoControl
Increment	1
InterceptArrowKeys	True
⊕ Location	<b>12, 12</b>
Locked	False
⊕ Margin	3, 3, 3, 3
Maximum	100
⊕ MaximumSize	0, 0
Minimum	0
⊕ MinimumSize	0, 0
Modifiers	Private
ReadOnly	False
RightToLeft	No

# Increment



ImeMode	NoControl
Increment	1
InterceptArrowKeys	True
⊕ Location	<b>12, 12</b>
Locked	False
⊕ Margin	3, 3, 3, 3
Maximum	100
⊕ MaximumSize	0, 0
Minimum	0
⊕ MinimumSize	0, 0
Modifiers	Private
ReadOnly	False
RightToLeft	No

# NumericUpDown ValueChanged Event Handler

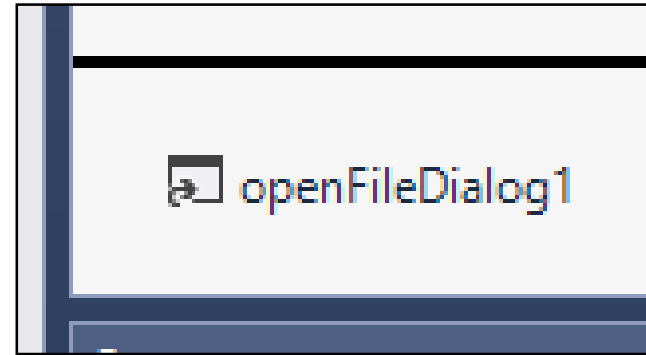
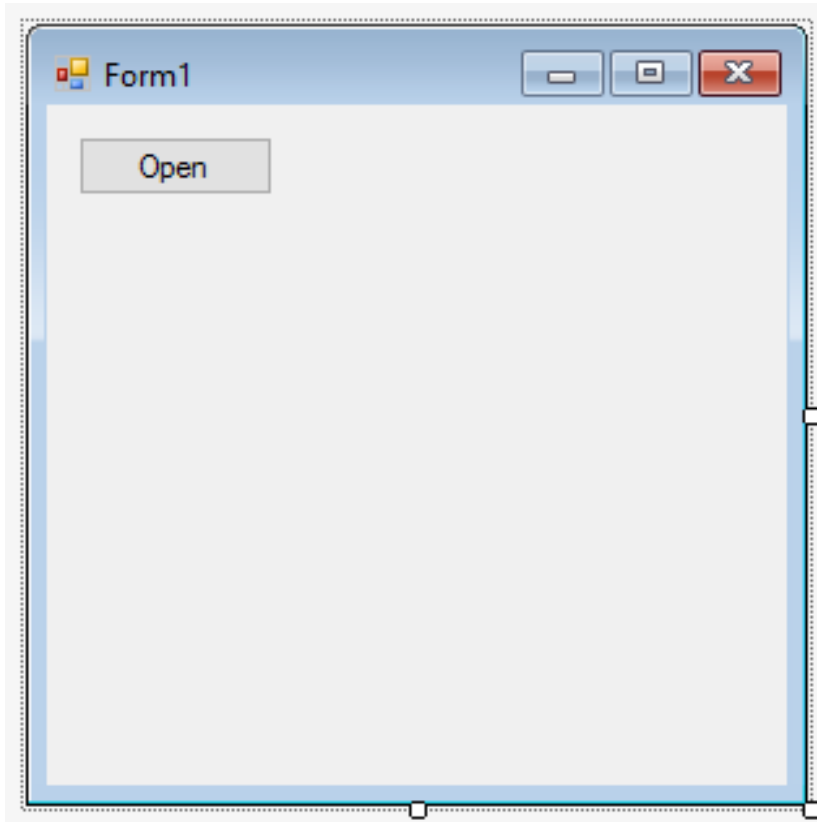
A screenshot of a Windows application window titled "Form1". The window contains a NumericUpDown control with the value "0", a "Show" button, and a label "label1".

```
private void numericUpDown1_ValueChanged(object sender, EventArgs e)
{
    label1.Text = numericUpDown1.Value.ToString();
}
```

# OpenFileDialog



## OpenFileDialog



```
private void bt_Open_Click(object sender, EventArgs e)
{
    DialogResult result = openFileDialog1.ShowDialog();
    if (result == DialogResult.OK)
    {
        MessageBox.Show(openFileDialog1.FileName);
    }
}
```



# OpenFileDialog



Filter

Filter	PowerPoint files *.pptx
--------	-------------------------

หรือ

Filter	PowerPoint files *.pptx All File *.*
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# OpenFileDialog



- Filter

```
openFileDialog1.Filter = "PowerPoint files|*.pptx";
```

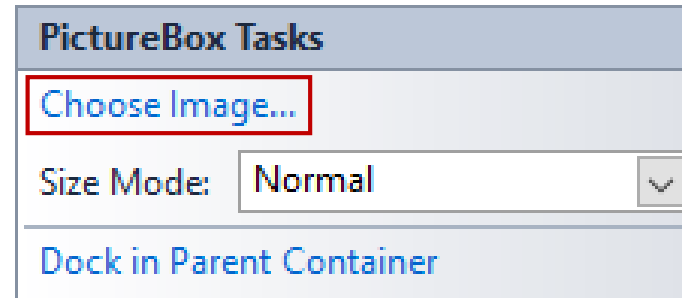
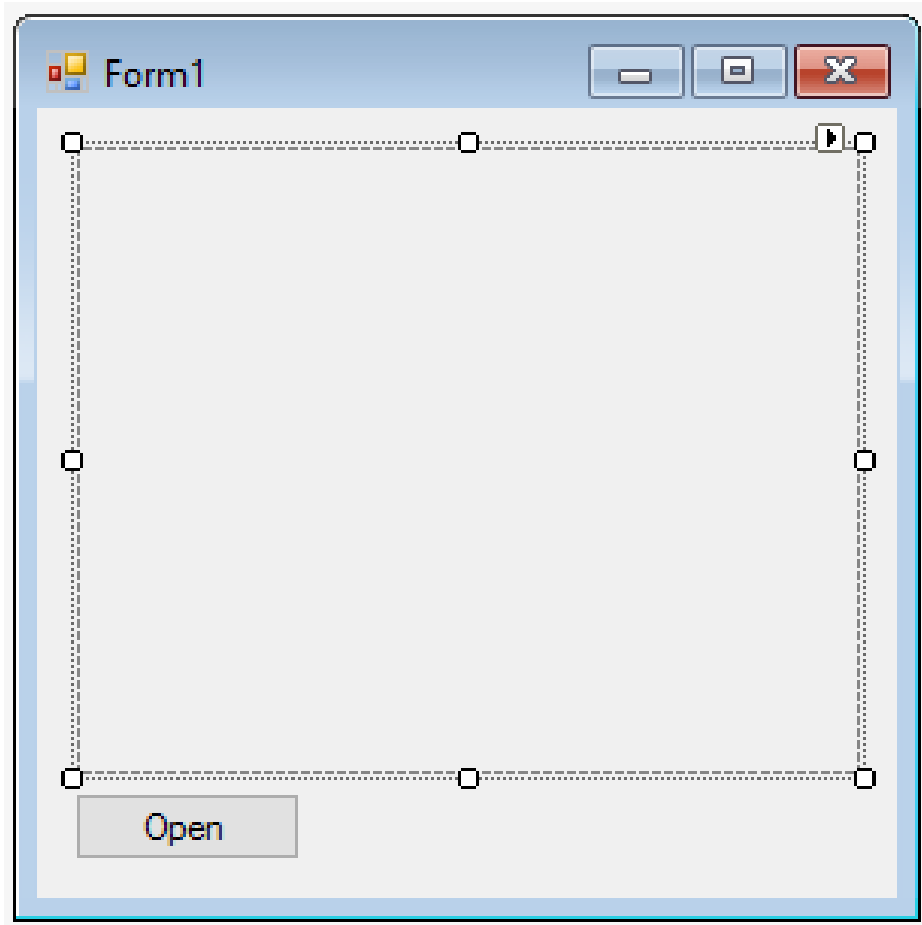
หรือ

```
openFileDialog1.Filter = "PowerPoint files|*.pptx|All File|*.*";
```

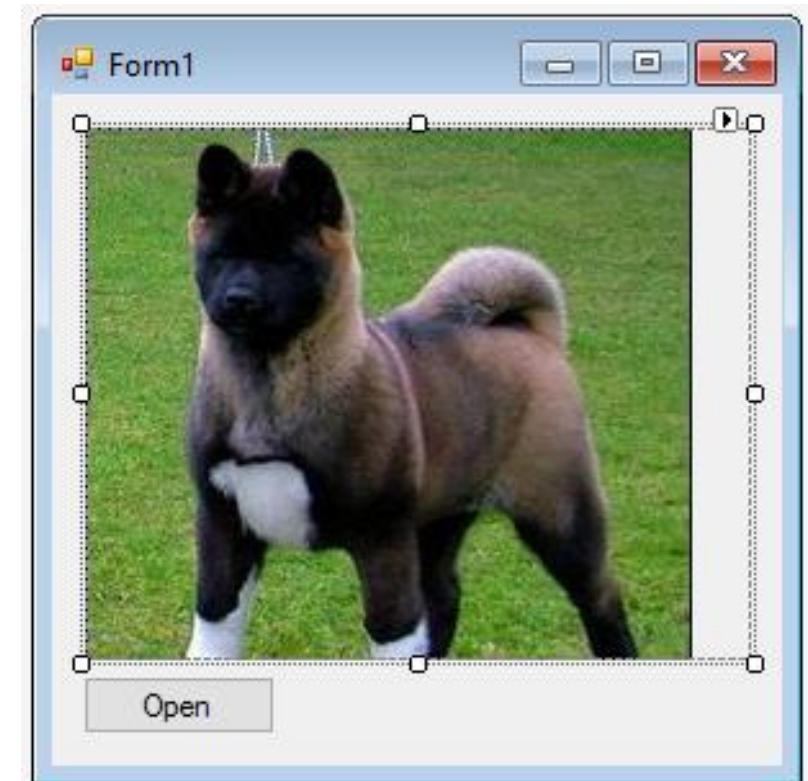
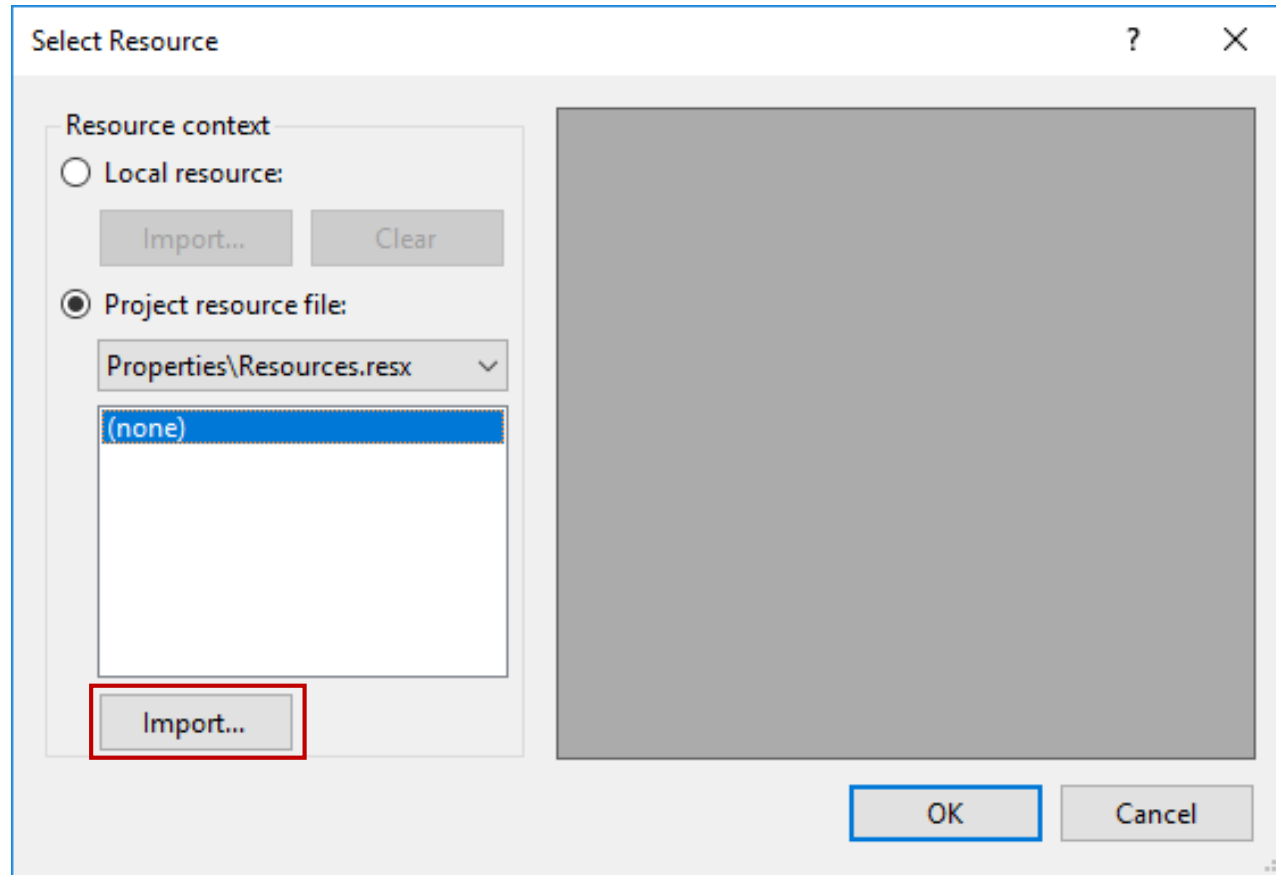
# PictureBox



# PictureBox



# PictureBox



# PictureBox

- SizeMode

Member name	Description
AutoSize	The <a href="#">PictureBox</a> is sized equal to the size of the image that it contains.
CenterImage	The image is displayed in the center if the <a href="#">PictureBox</a> is larger than the image. If the image is larger than the <a href="#">PictureBox</a> , the picture is placed in the center of the <a href="#">PictureBox</a> and the outside edges are clipped.
Normal	The image is placed in the upper-left corner of the <a href="#">PictureBox</a> . The image is clipped if it is larger than the <a href="#">PictureBox</a> it is contained in.
StretchImage	The image within the <a href="#">PictureBox</a> is stretched or shrunk to fit the size of the <a href="#">PictureBox</a> .
Zoom	The size of the image is increased or decreased maintaining the size ratio.



# PictureBox with OpenFileDialog



```
openFileDialog1.Filter = "JPEG|*.jpg";
```

```
private void bt_Open_Click(object sender, EventArgs e)
{
    DialogResult result = openFileDialog1.ShowDialog();
    if (result == DialogResult.OK)
    {
        MessageBox.Show(openFileDialog1.FileName);
        pictureBox1.Image = new Bitmap(openFileDialog1.FileName);
    }
}
```



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