Windows Forms kullanarak Graphical User Interface-2

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TabControl

- Pencerede tab'lar yaratır.

- Form'da daha fazla bilgi sunulması imkanını sağlar.

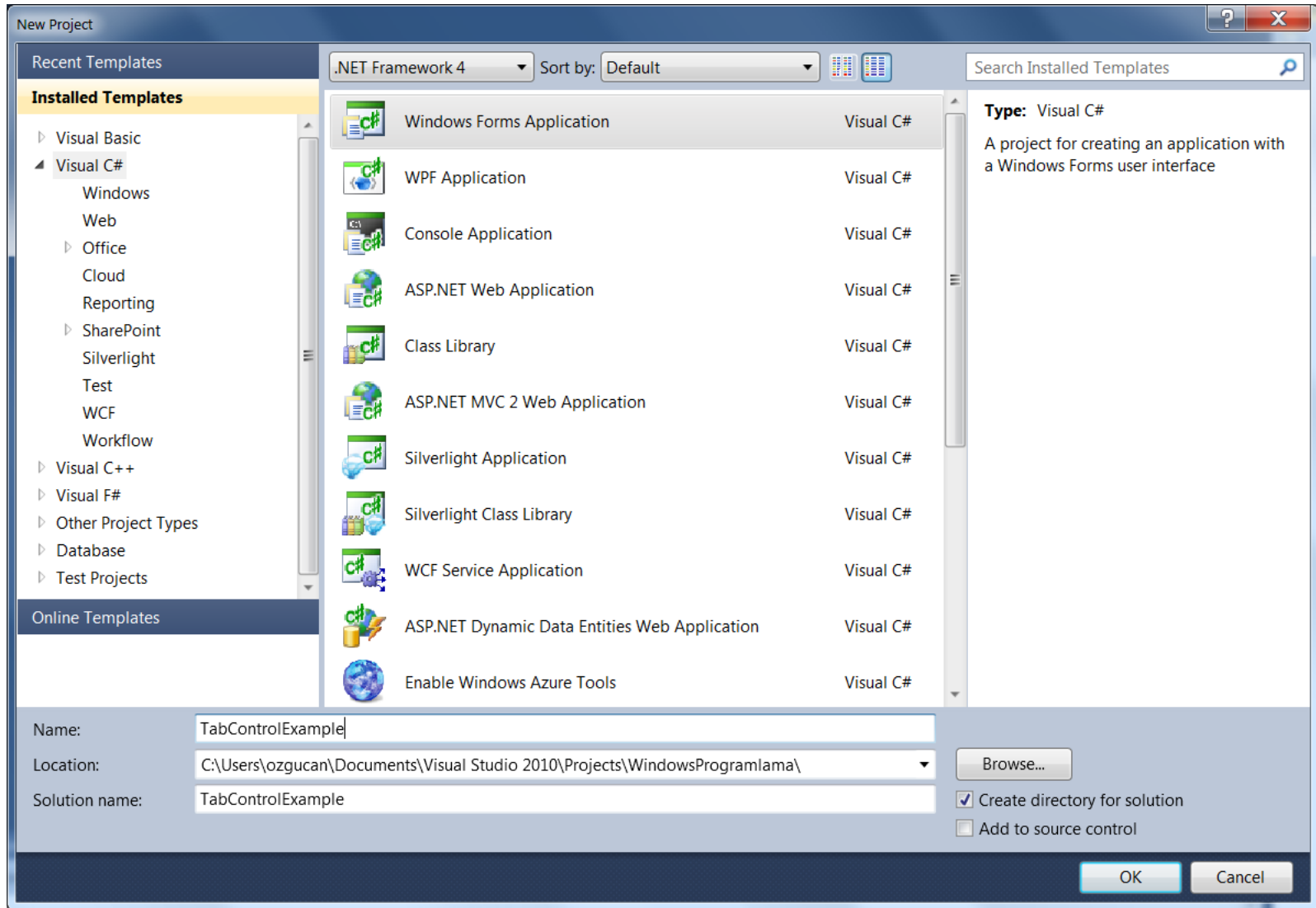# TabControl

| TabControl properties and an event	Description
Common Properties	
ImageList	Specifies images to be displayed on tabs.
ItemSize	Specifies the tab size.
Multiline	Indicates whether multiple rows of tabs can be displayed.
SelectedIndex	Index of the selected TabPage.
SelectedTab	The selected TabPage.
TabCount	Returns the number of tab pages.
TabPages	Returns the collection of TabPages within the TabControl as a Tab-Control.TabPageCollection.
Common Event	
SelectedIndexChanged	Generated when SelectedIndex changes (i.e., another TabPage is selected).

Örnek Uygulama - TabControl

Örnek Uygulama - TabControl

- 1 **TabControl**
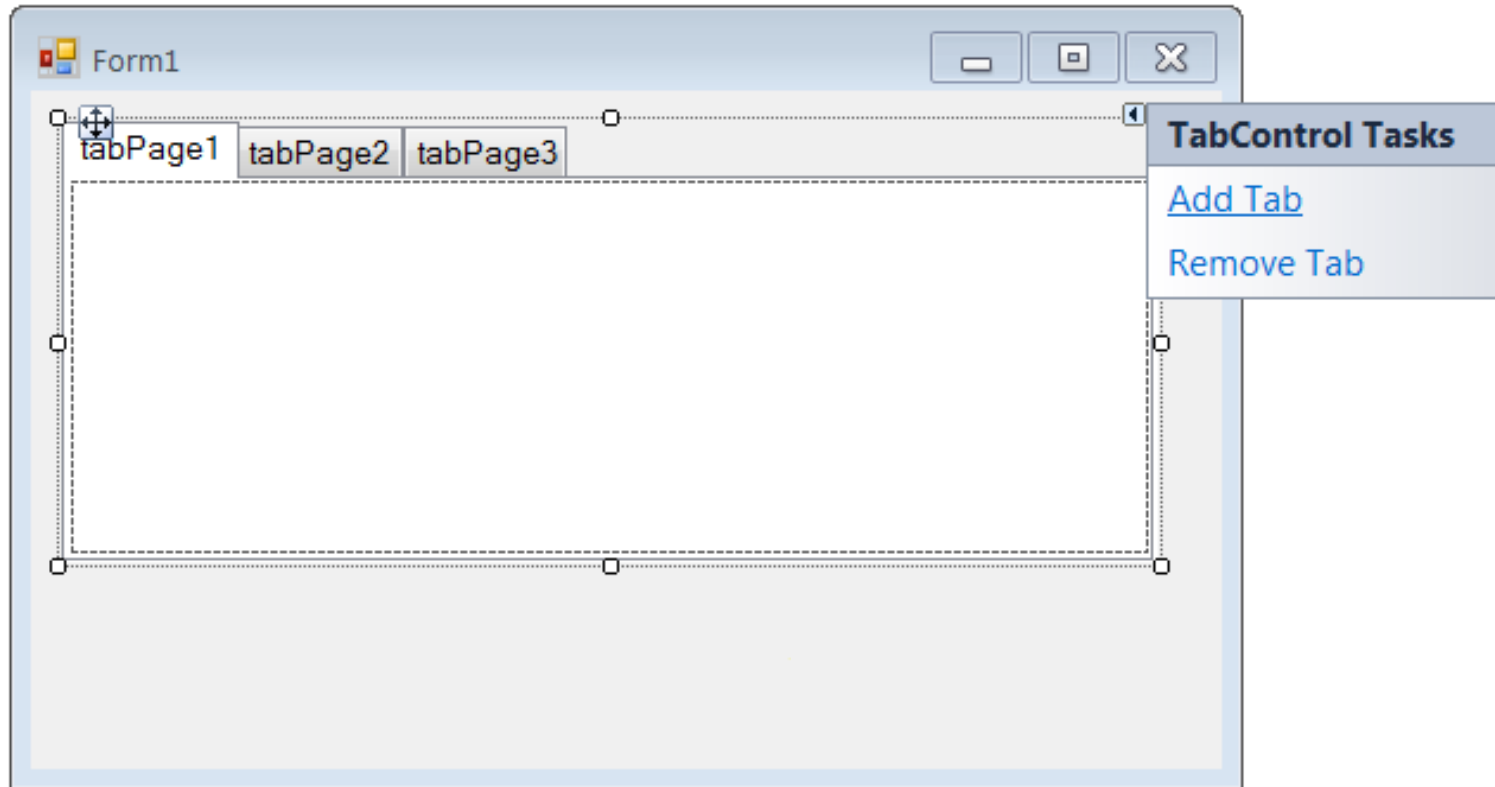
  - **Name = optionsTabControl**

  - 4 Tab

- 1 **Label**

  - **Name = displayLabel**

  - **Text = Welcome!**

Örnek Uygulama - TabControl
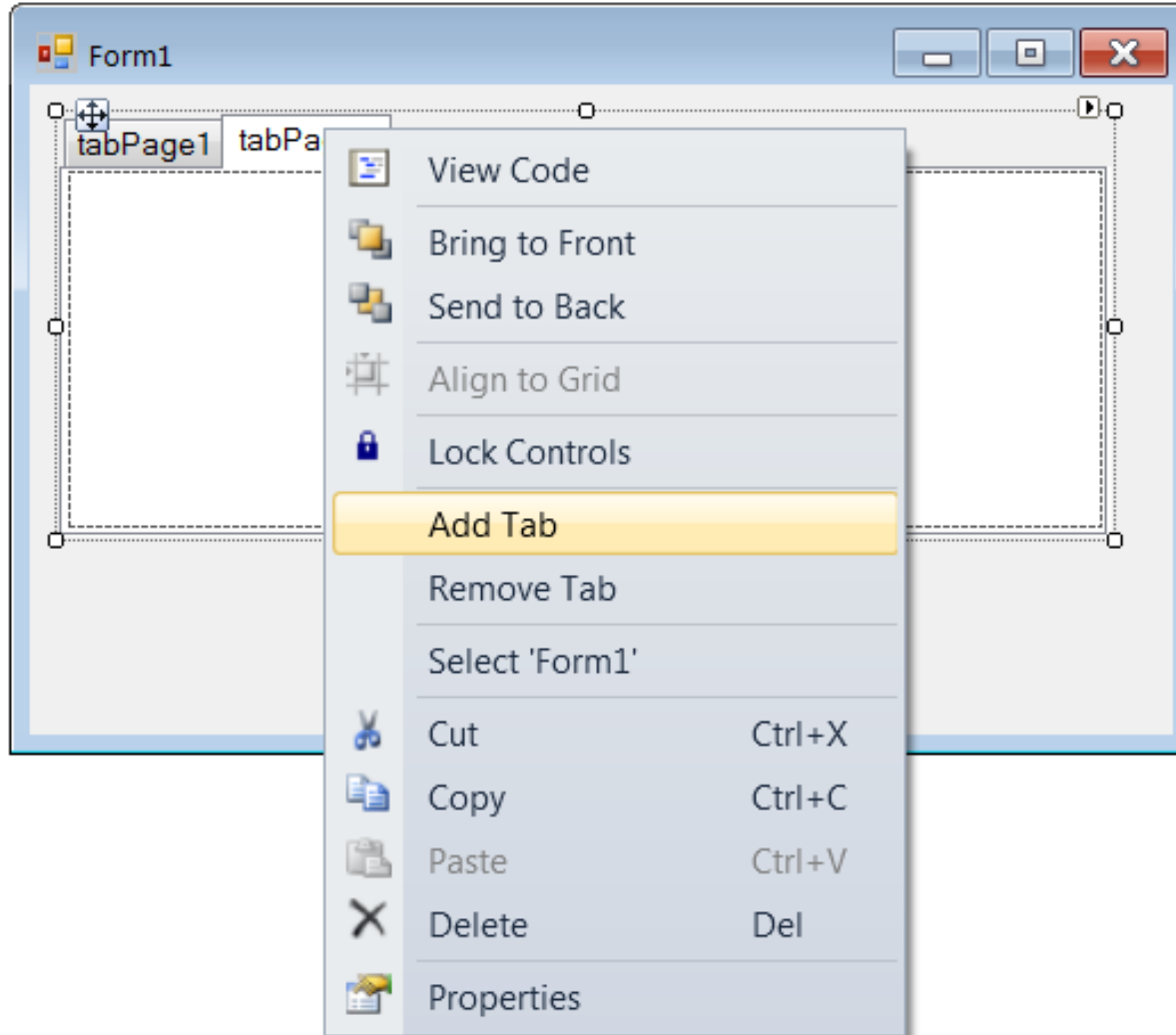
**Tab
Ekleme
Yöntem 1**

Örnek Uygulama - TabControl

Örnek Uygulama - TabControl

1. *Tab*

Name = colorTabPage

Text = Color

3 RadioButton

1. **Name = blackRadioButton**
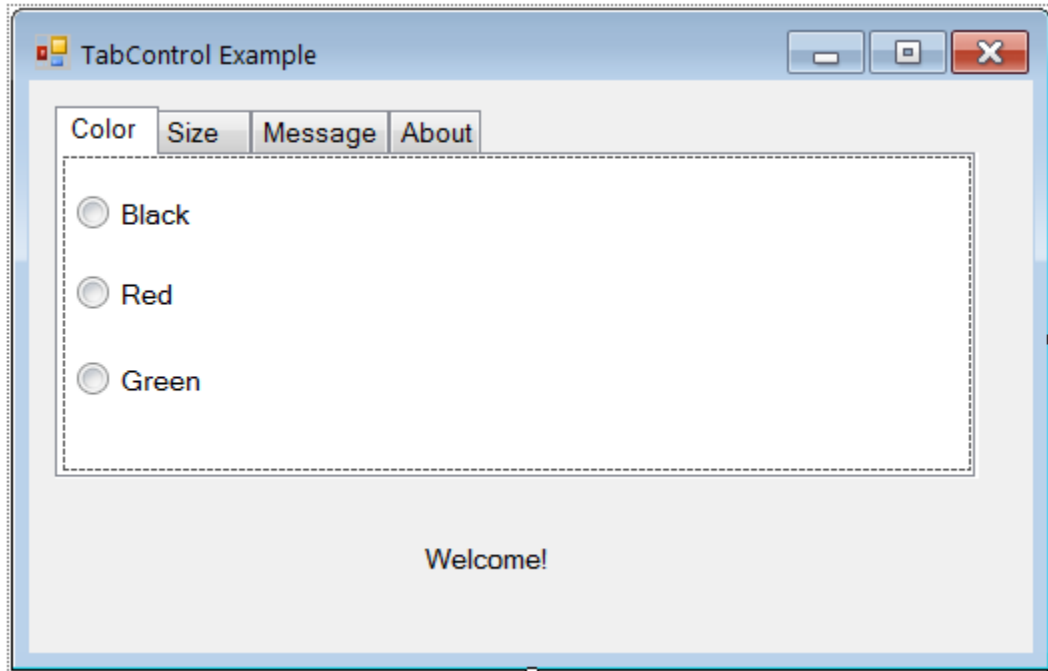   **Text = Black**

2. **Name = redRadioButton**
   Text = Red

3. **Name = greenRadioButton**
   Text = Green

Örnek Uygulama - TabControl

2. Tab

Name = sizeTabPage

Text = Size

3 **RadioButton**

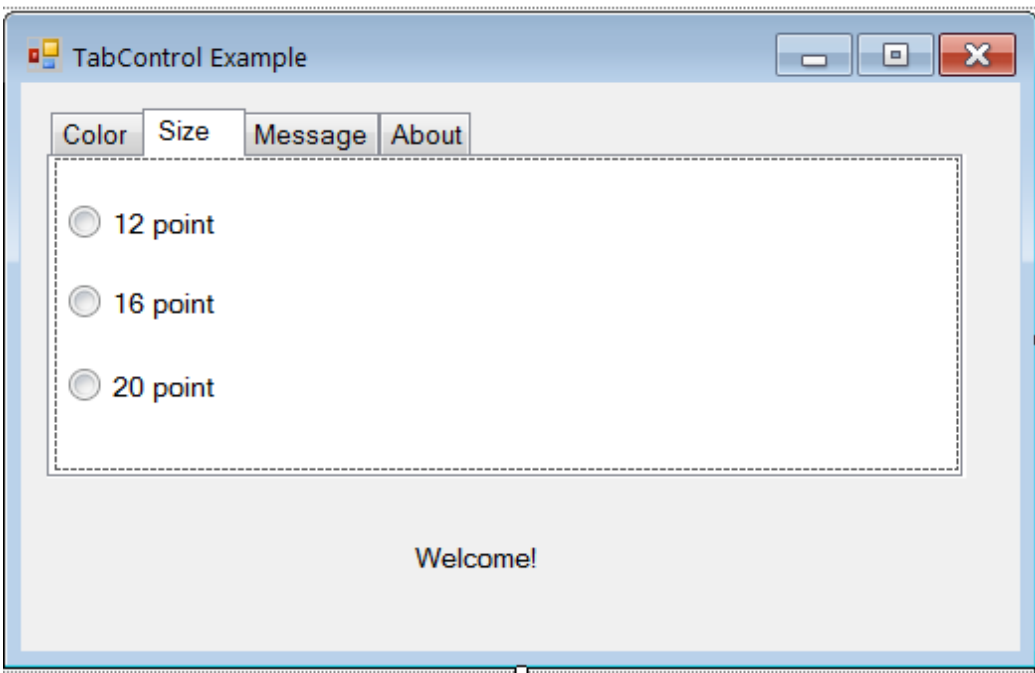1. **Name = size12RadioButton**
   Text = 12 point

2. **Name = size16RadioButton**
   Text = 16 point

3. **Name = size20RadioButton**
   Text = 20 point

Örnek Uygulama - TabControl

3. Tab

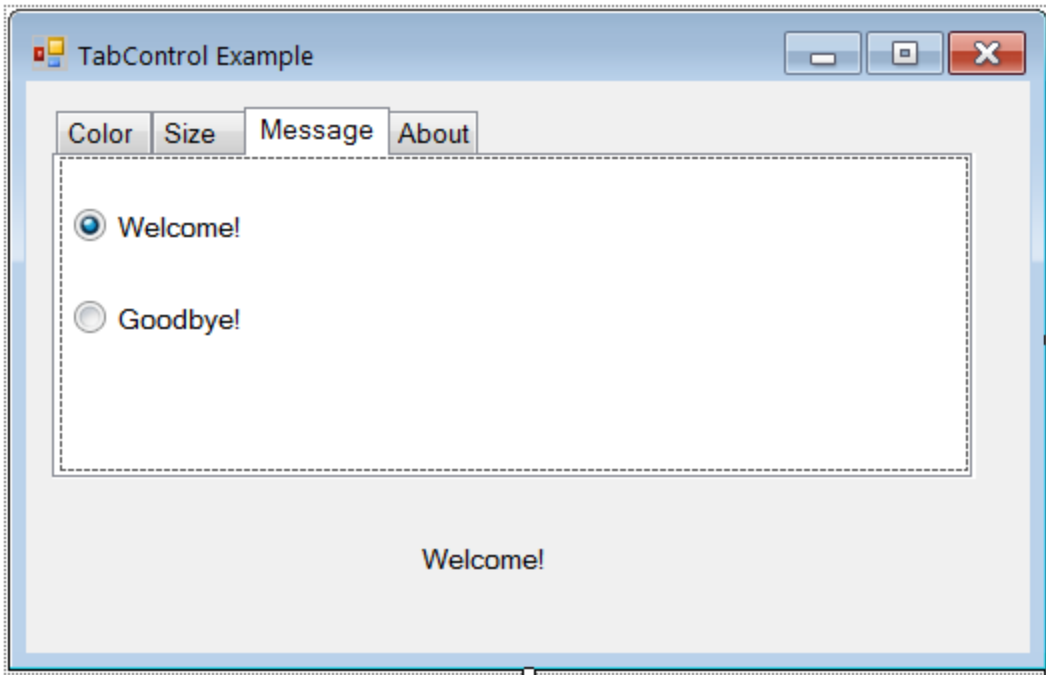**Name = messageTabPage**

Text = Message

2 RadioButton

1. **Name = welcomeRadioButton**

   Text = Welcome!

2. **Name = goodbyeRadioButton**

   Text = Goodbye!

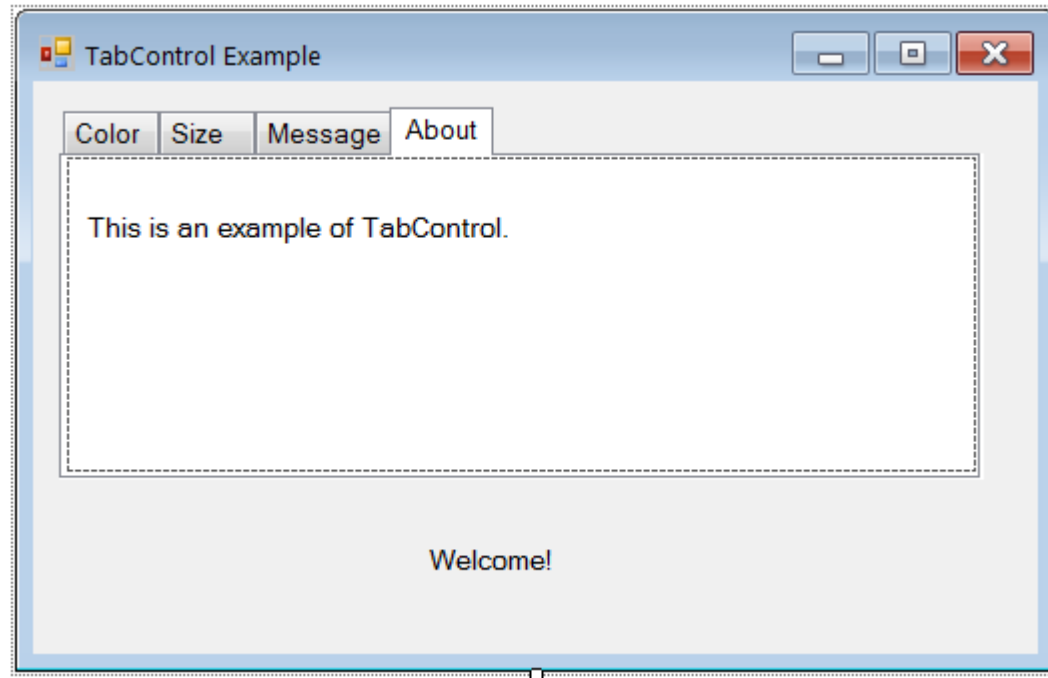# Örnek Uygulama - TabControl

4. Tab

Name = aboutTabPage

Text = About

1 Label

Name = aboutLabel

Text = This is an example
of TabControl.

Örnek Uygulama - TabControl

1. Tab için RadioButton Checked_Changed event'leri:

```csharp
private void blackRadioButton_CheckedChanged(object sender, EventArgs e)
{
    displayLabel.ForeColor = Color.Black; // change color to black
}

private void redRadioButton_CheckedChanged(object sender, EventArgs e)
{
    displayLabel.ForeColor = Color.Red; // change color to red
}

private void greenRadioButton_CheckedChanged(object sender, EventArgs e)
{
    displayLabel.ForeColor = Color.Green; // change color to green
}
```

Örnek Uygulama - TabControl

2. *Tab* için `RadioButton`
`Checked_Changed` event'leri:

```csharp
private void size12RadioButton_CheckedChanged(object sender, EventArgs e)
{
    displayLabel.Font = new Font(displayLabel.Font.Name, 12); // change font size to 12
}

private void size16RadioButton_CheckedChanged(object sender, EventArgs e)
{
    displayLabel.Font = new Font(displayLabel.Font.Name, 16); // change font size to 16
}

private void size20RadioButton_CheckedChanged(object sender, EventArgs e)
{
    displayLabel.Font = new Font(displayLabel.Font.Name, 20); // change font size to 20
}
```
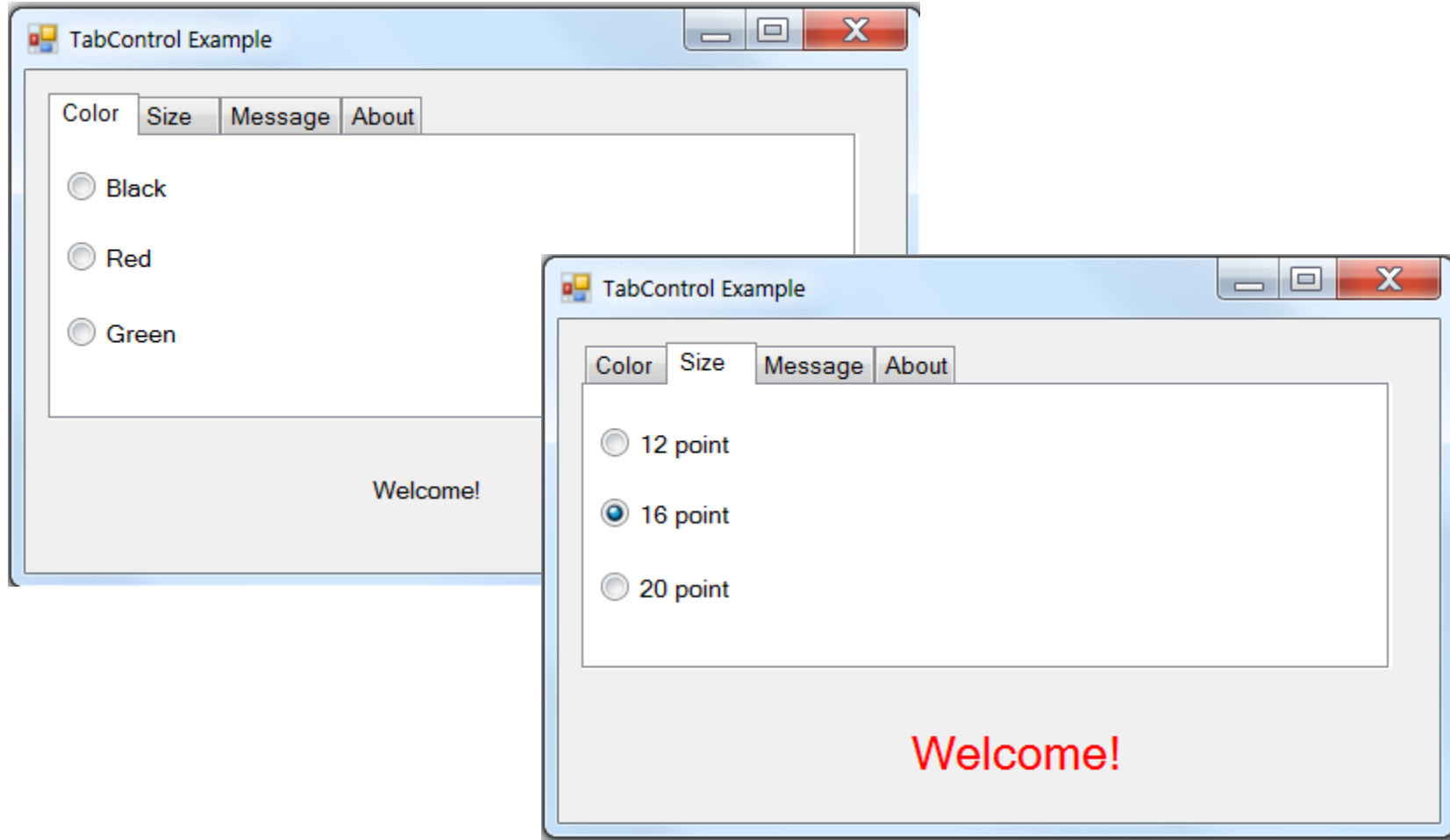
Örnek Uygulama - TabControl

## 3. *Tab* için `RadioButton` `Checked_Changed` event'leri:

```csharp
private void welcomeRadioButton_CheckedChanged(object sender, EventArgs e)
{
    displayLabel.Text = "Welcome!"; // change text to Welcome!
}

private void goodbyeRadioButton_CheckedChanged(object sender, EventArgs e)
{
    displayLabel.Text = "Goodbye!"; // change text to Goodbye!
}
```

Örnek Uygulama - TabControl

Örnek Uygulama - TabControl
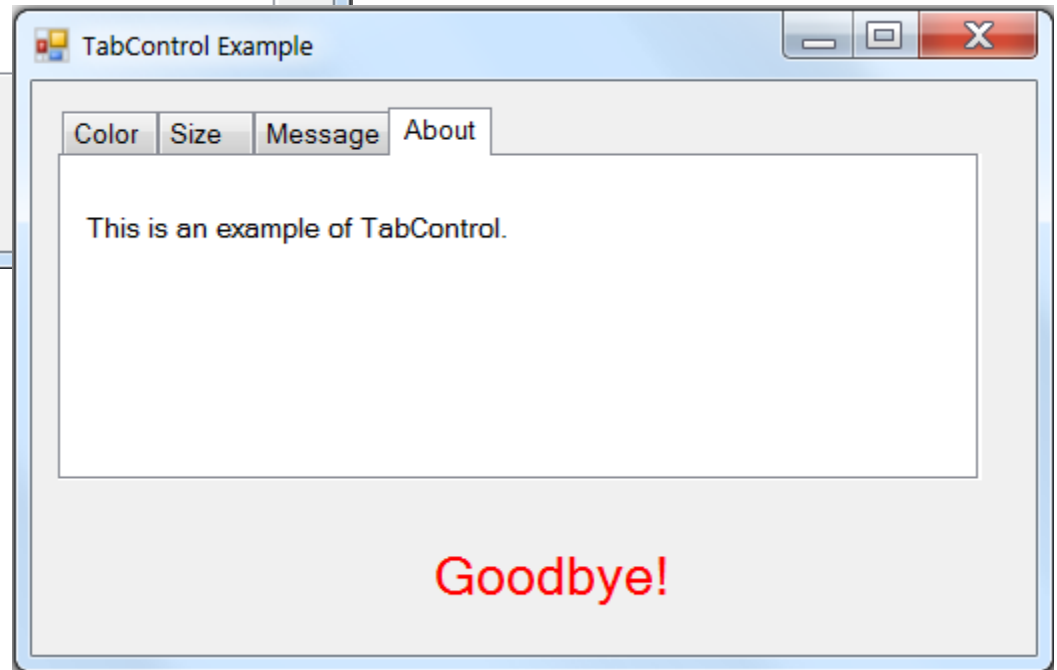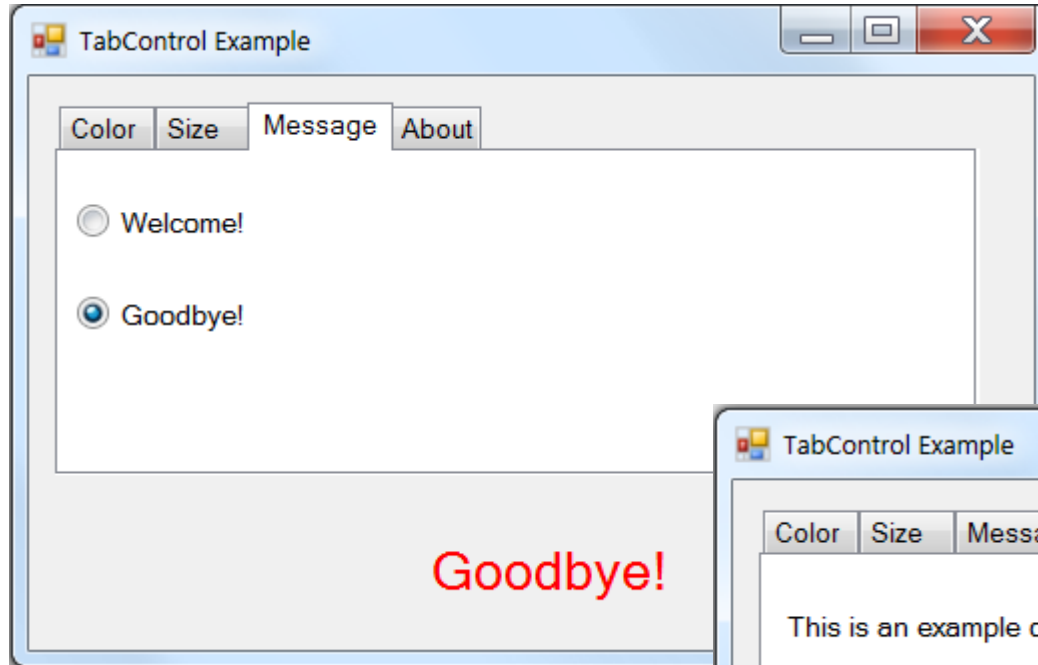
ToolStrip

- Toolbar üzerinde yer alan, metinsiz, sadece resim ile gösterilen button'ların yer aldığı kontroldür.

- Tek tıklama ile işlemlerin gerçekleştirilmesini sağlar.

ToolStrip - Özellikler

PROPERTY	DESCRIPTION
GripStyle	Controls whether the four vertical dots are displayed at the far left of the toolbar. The effect of hiding the grip is that users can no longer move the toolbar.
LayoutStyle	Controls how the items in the toolbar are displayed. The default is horizontally.
Items	Contains a collection of all the items in the toolbar.
ShowItemToolTip	Determines whether tooltips should be shown for the items in the toolbar.
Stretch	By default, a toolbar is only slightly wider or taller than the items contained within it. If you set the Stretch property to true, the toolbar will fill the entire length of its container.

ToolStrip - Öğeler

CONTROL	DESCRIPTION
ToolStripButton	Represents a button. You can use this for buttons with or without text.
ToolStripLabel	Represents a label. It can also display images, which means that this control can be used to display a static image in front of another control that doesn't display information about itself, such as a text box or combo box.
ToolStripSplitButton	Displays a button with a drop-down button to the right that, when clicked, displays a menu below it. The menu does not unfold if the button part of the control is clicked.
ToolStripDropDownButton	Similar to the ToolStripSplitButton. The only difference is that the drop-down button has been removed and replaced with an image of a down arrow. The menu part of the control unfolds when any part of the control is clicked.
ToolStripComboBox	Displays a combo box.
ToolStripProgressBar	Embeds a progress bar in your toolbar.
ToolStripTextBox	Displays a text box.
ToolStripSeparator	Creates horizontal or vertical dividers for the items.

ToolStrip
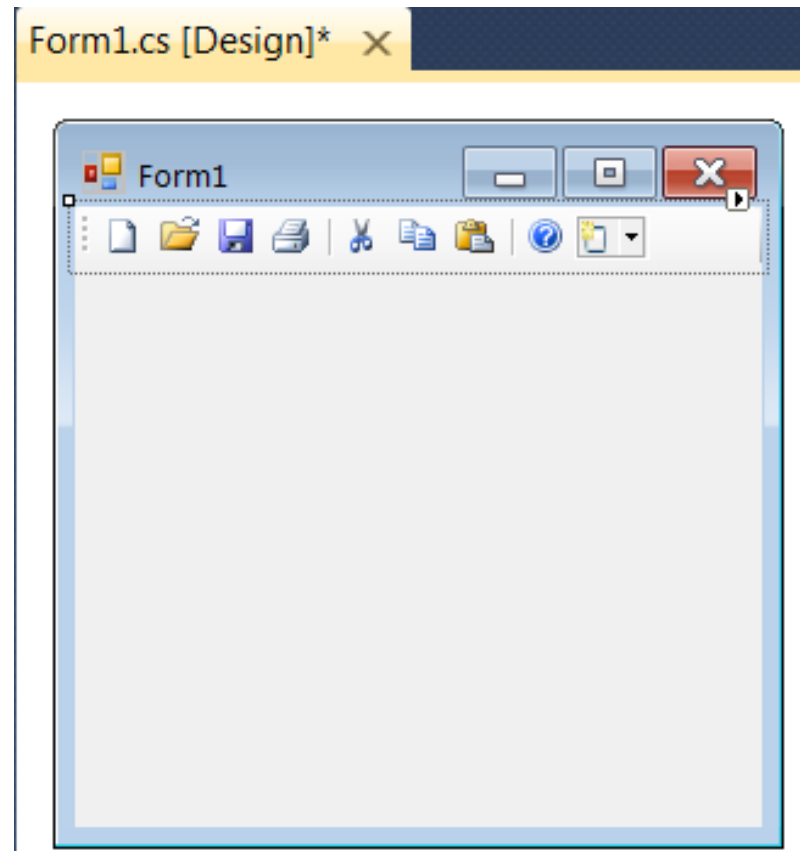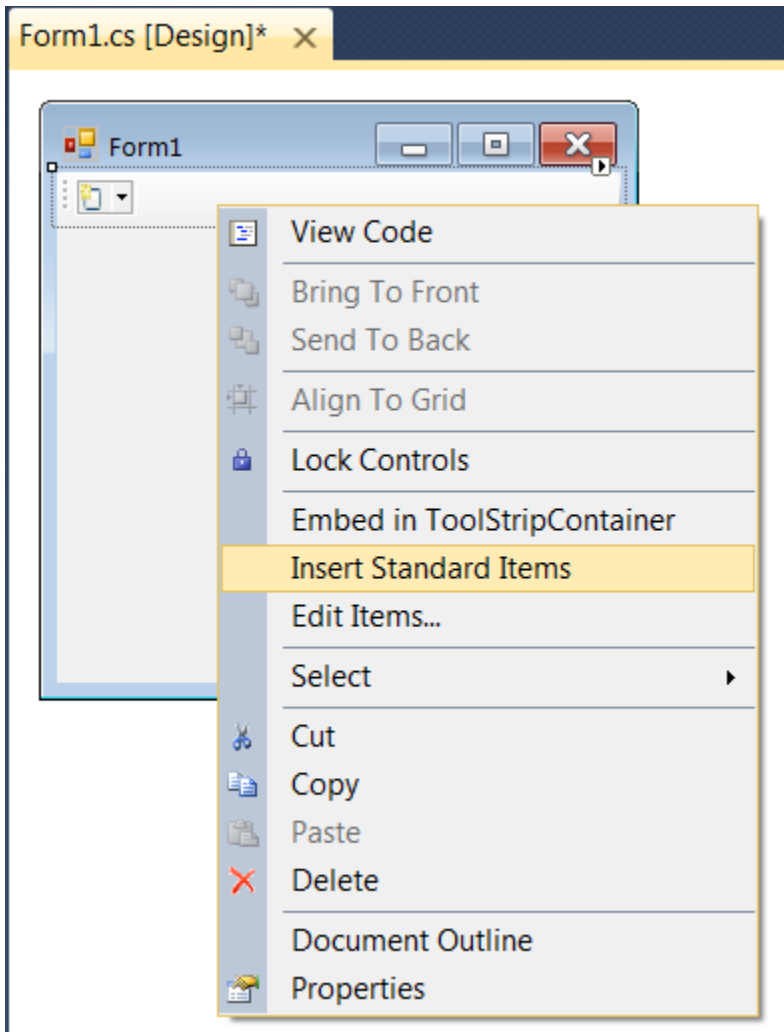
StatusStrip

- Uygulama penceresinin en altında yer alan bar'ı temsil eder.

- Uygulamanın **mevcut** durumunu belirtir.

- <u>ÖR:</u>

  - Mevcut sayfanın numarası

  - Satır/sütun bilgisi

  - Download durumu

StatusStrip - Özellikler

PROPERTY	VALUE
AutoSize	AutoSize is on by default, which isn't really very intuitive because you don't want the labels in the status bar to jump back and forth just because you changed the text in one of them. Unless the information in the label is static, always change this property to false.
DoubleClickEnable	Specifies whether the DoubleClick event will fire, which means users get a second place to change something in your application. An example of this is allowing users to double-click on a panel containing the word Bold to enable or disable bold in the text.

Örnek Uygulama - ToolStrip

- TabControlExample örneğinde:
  - 1 **ToolStrip**
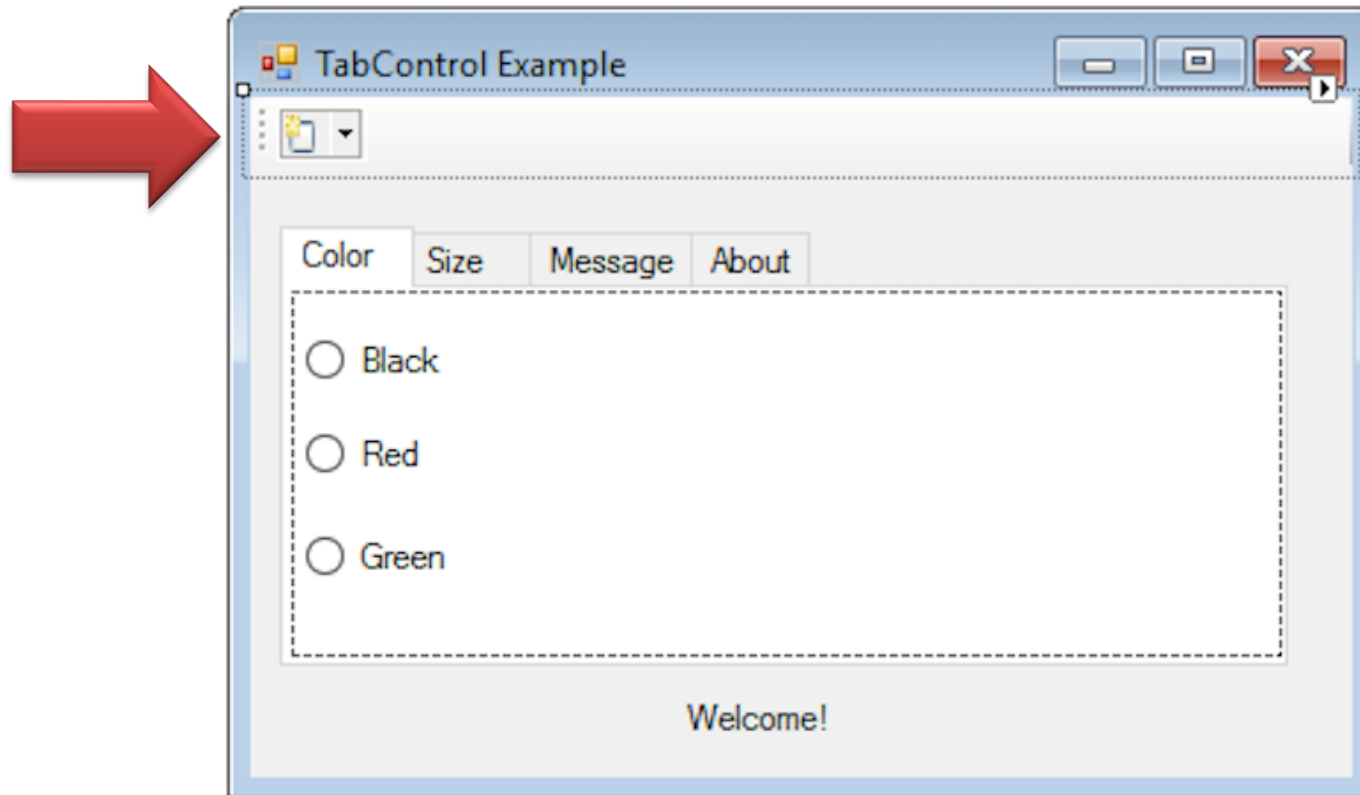
Örnek Uygulama - ToolStrip

- **ToolStrip → Insert Standard Items**
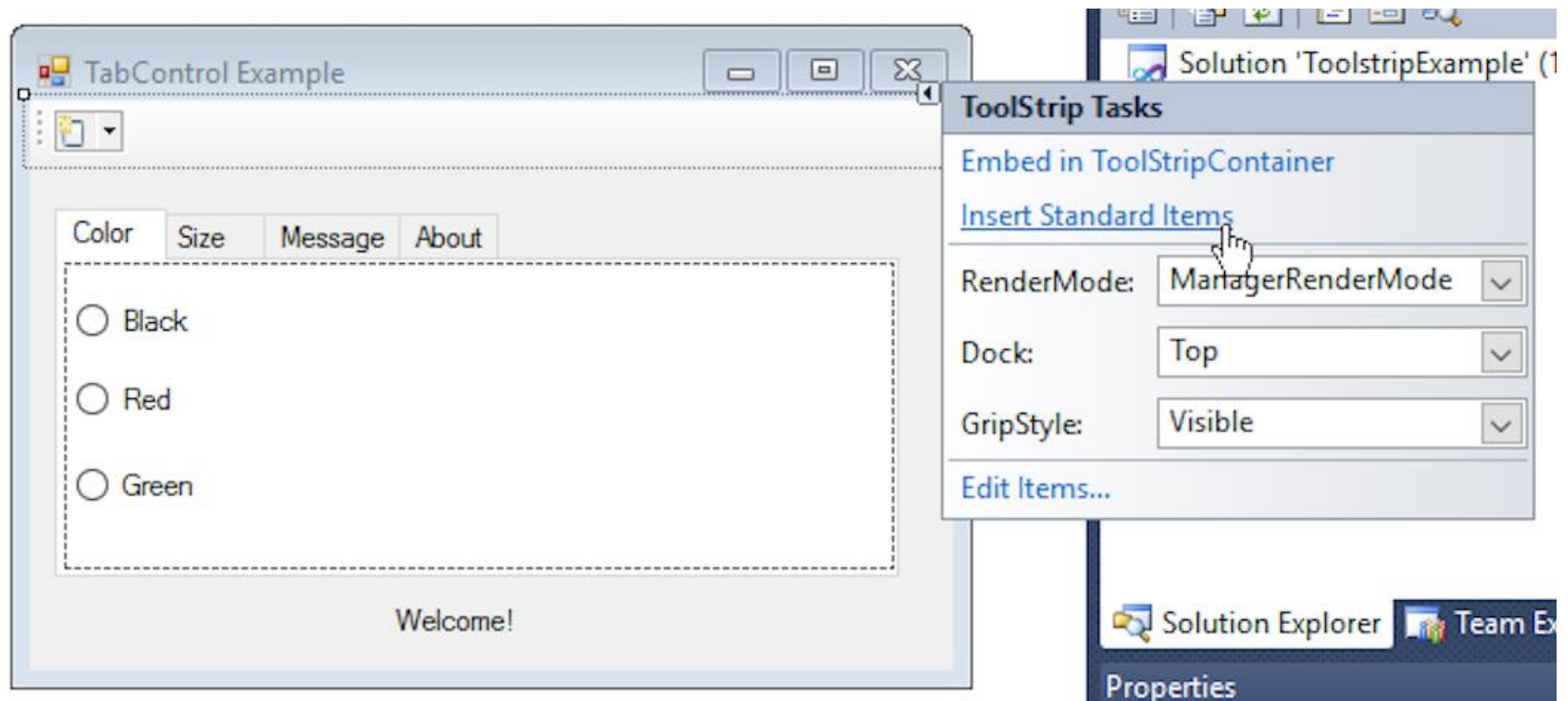
Örnek Uygulama - ToolStrip
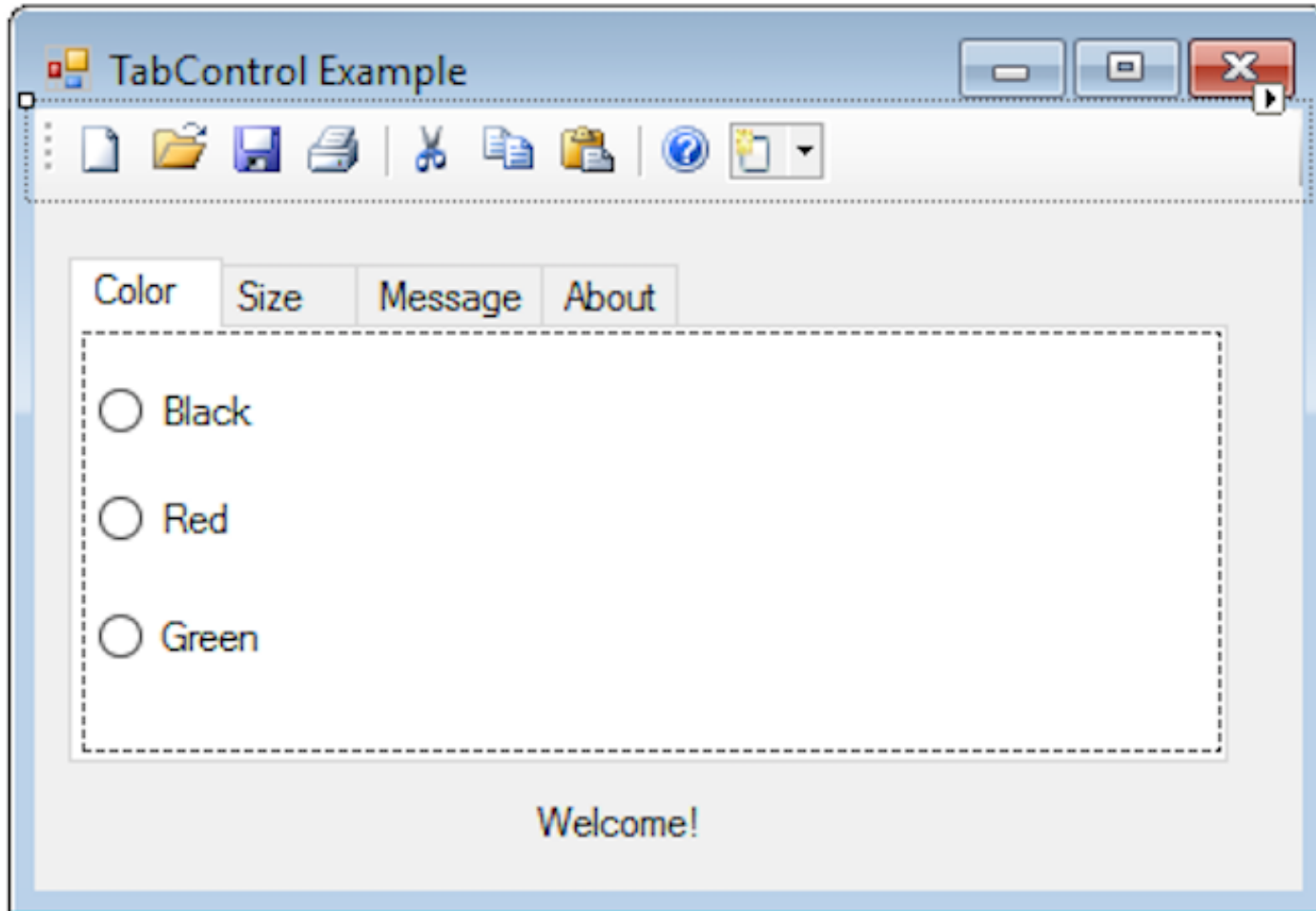
Örnek Uygulama - ToolStrip

- Delete → Cut, Copy, Paste & Separator
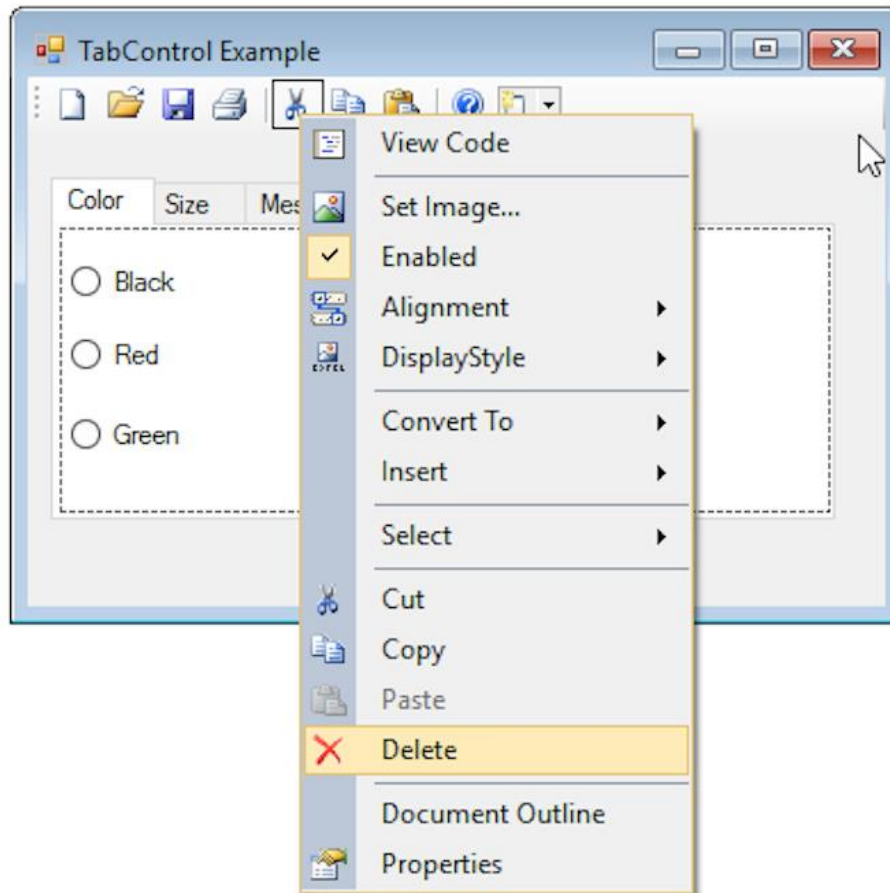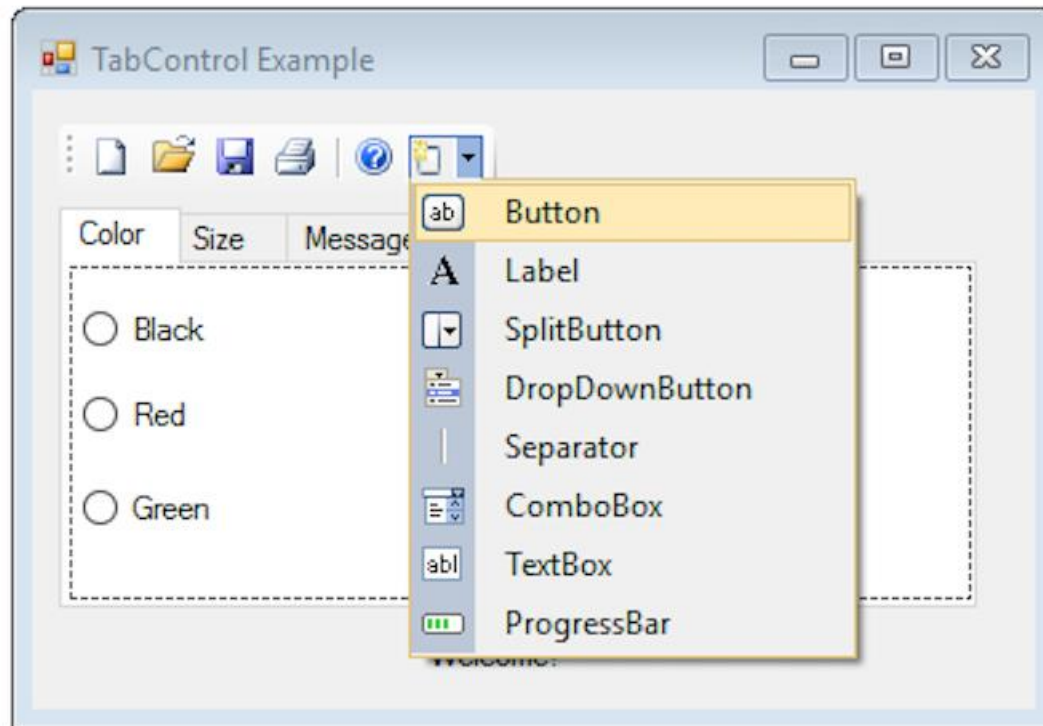
Örnek Uygulama - ToolStrip
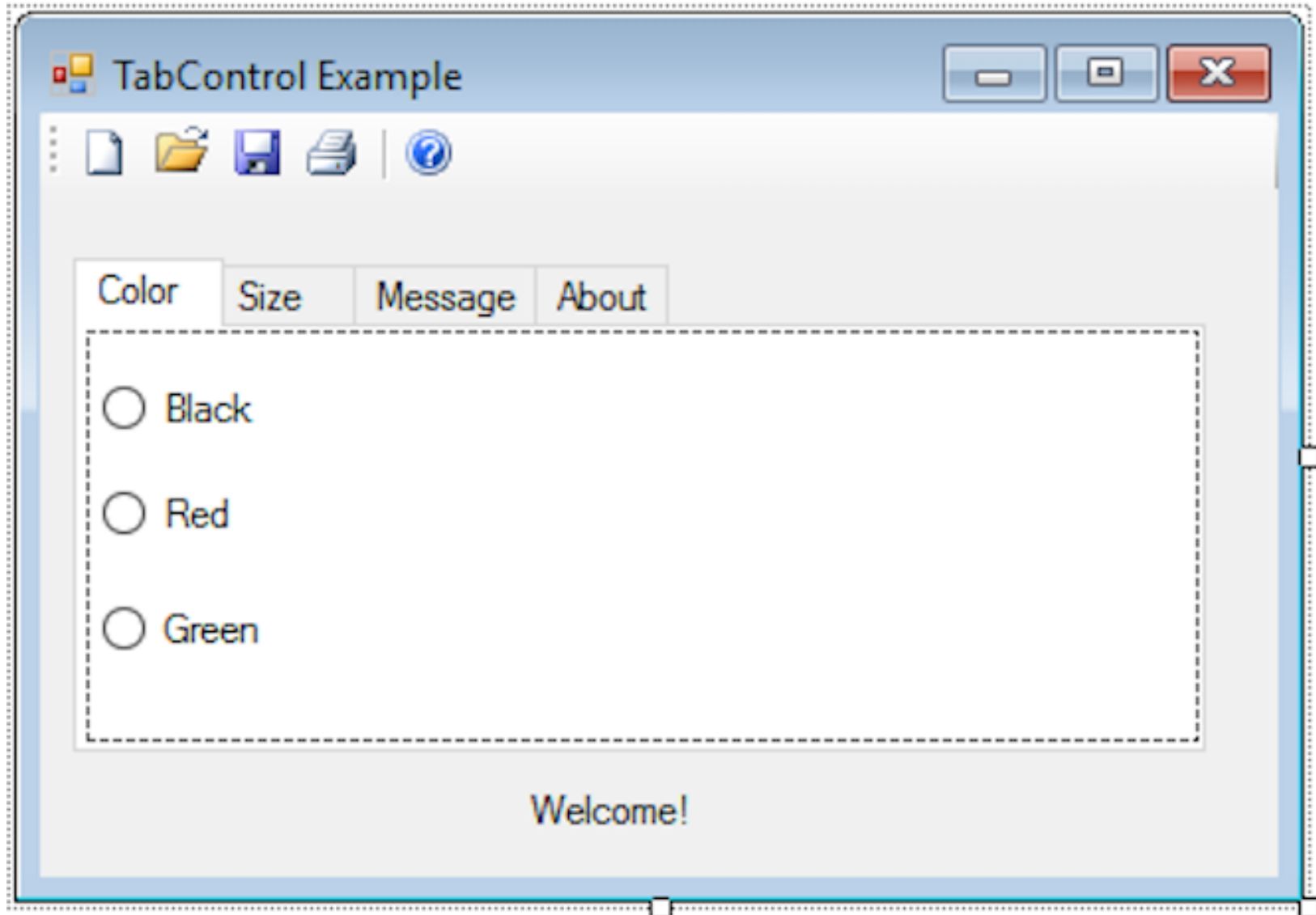
Örnek Uygulama - ToolStrip

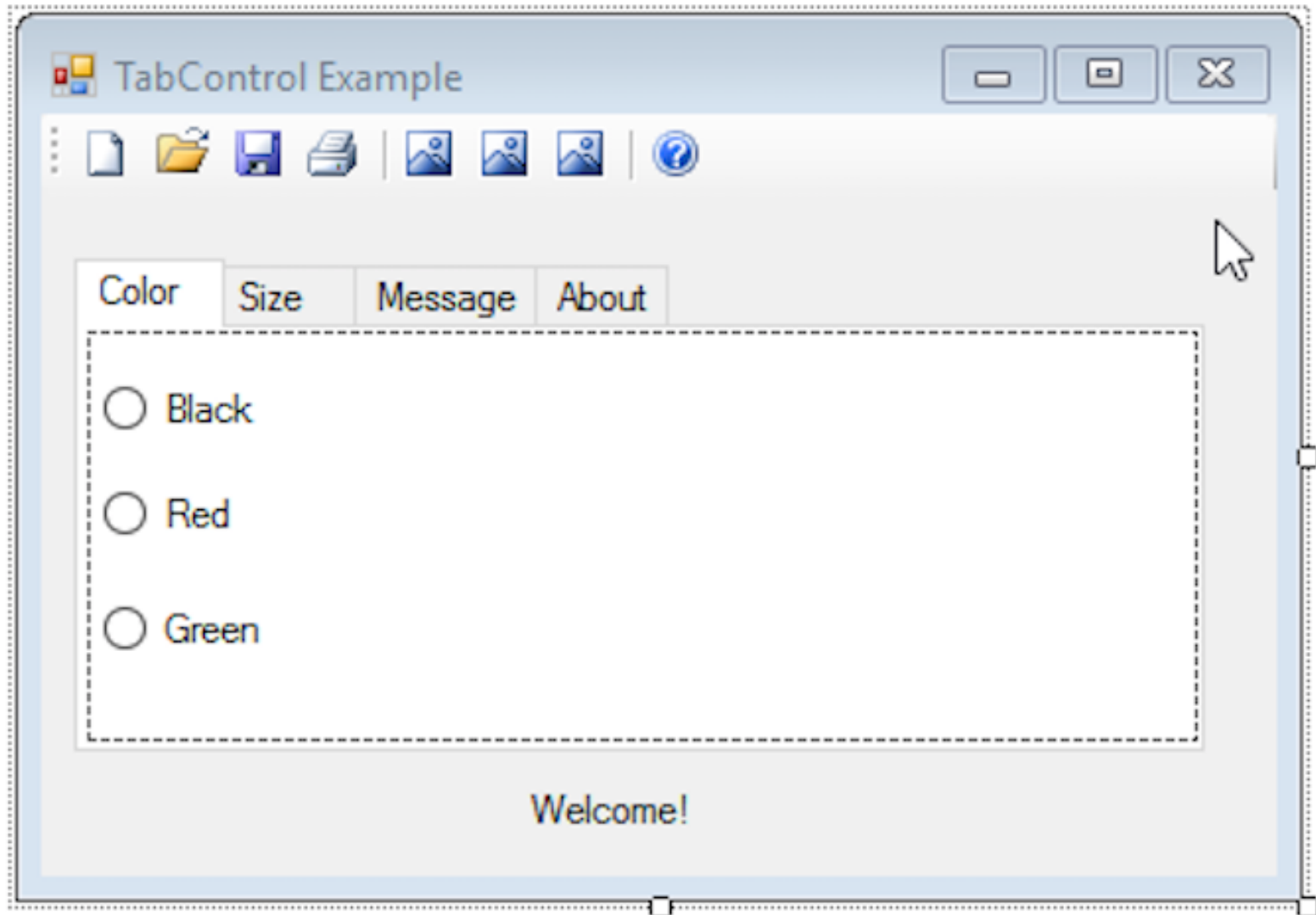- **`ToolStrip`** properties:
  - **`Anchor = Top, Bottom, Left, Right`**
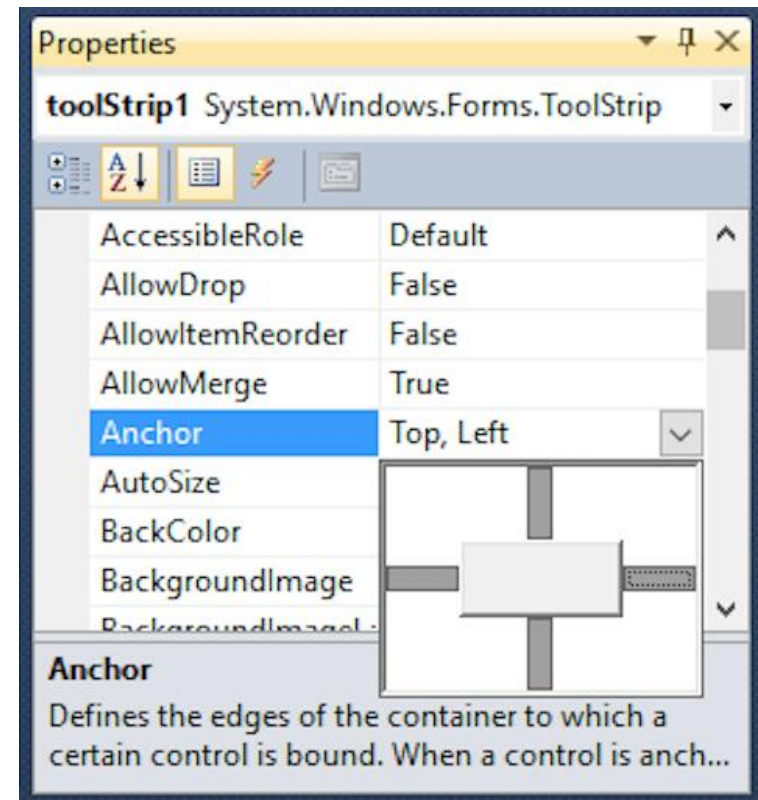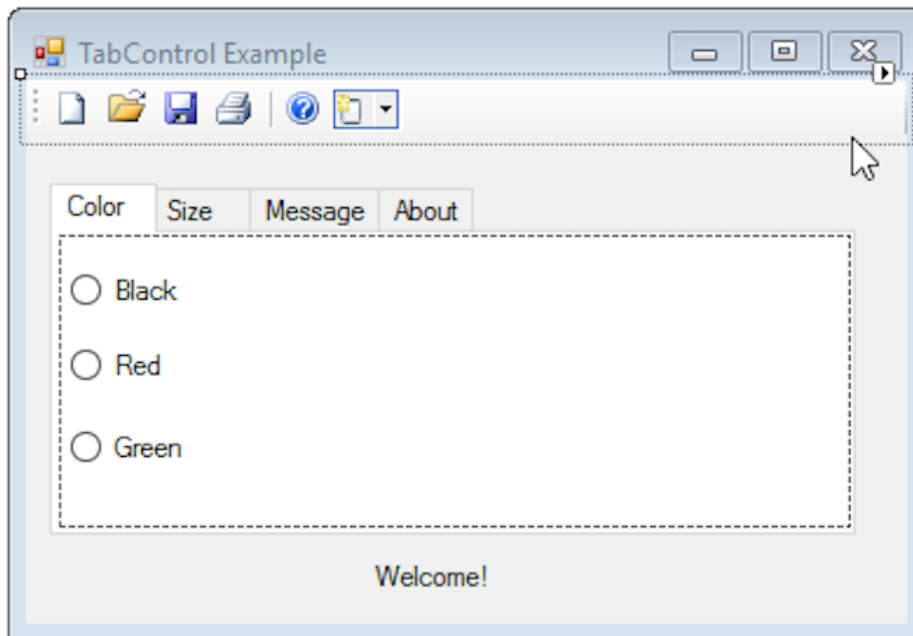
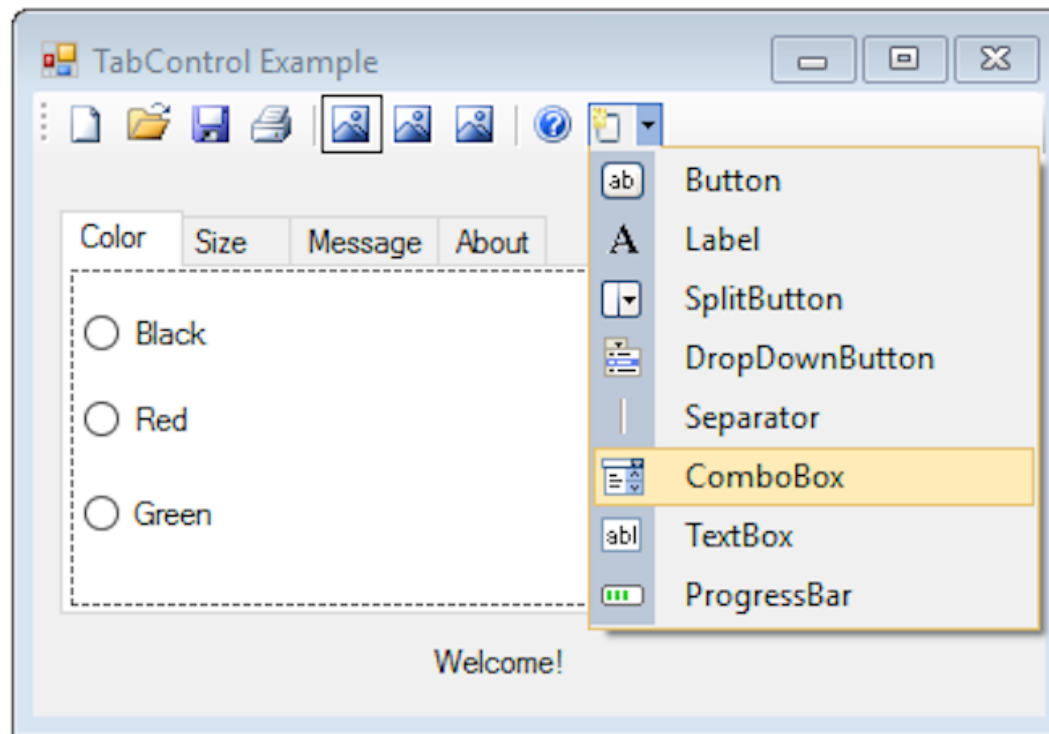# Örnek Uygulama - ToolStrip
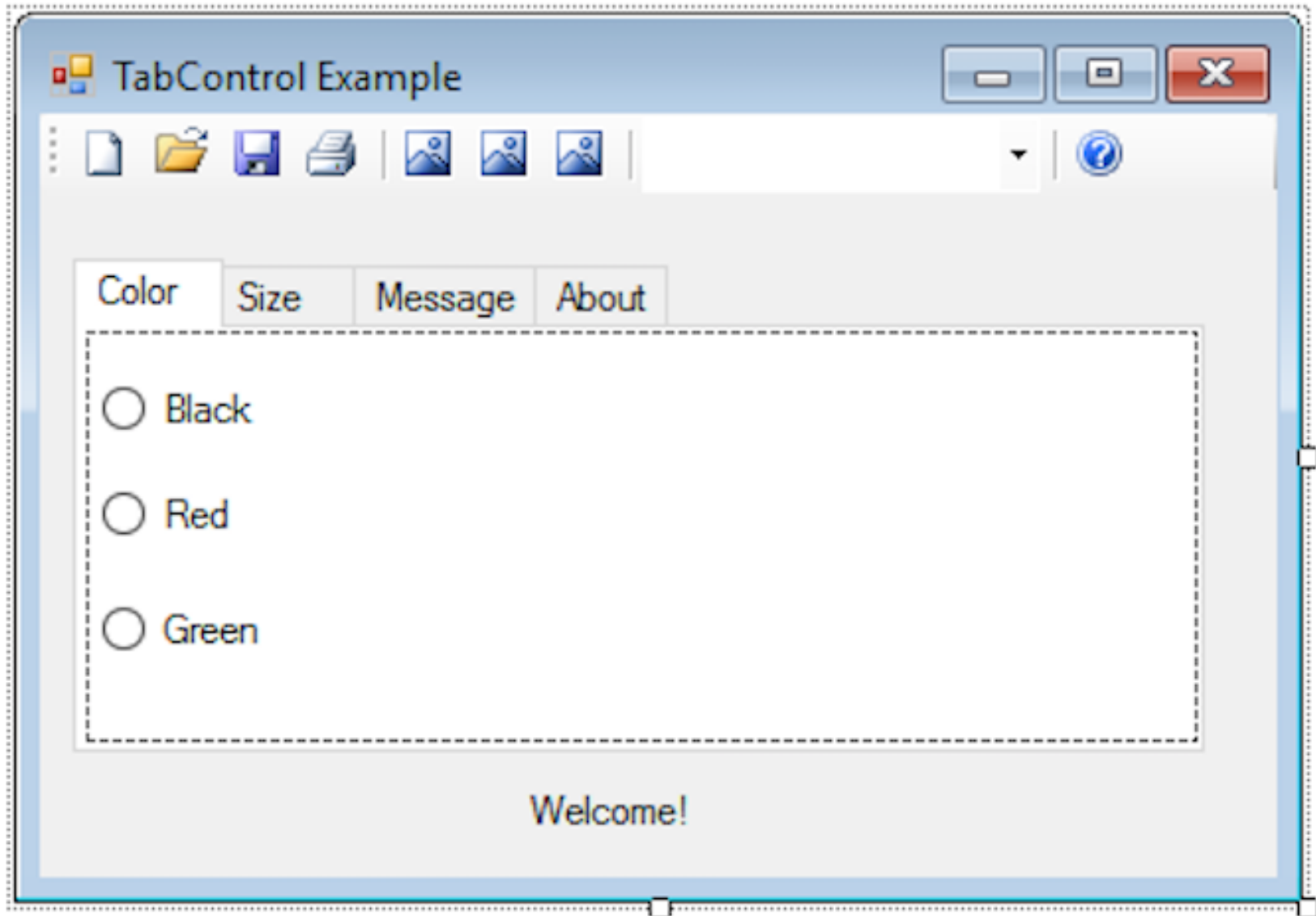
- **ToolStrip**:
  - 3 **Button**
  - 1 **Separator**

Örnek Uygulama - ToolStrip

Örnek Uygulama - ToolStrip

- **ToolStrip:**
  - 1 **ComboBox**
  - 1 **Separator**

Örnek Uygulama - ToolStrip

Örnek Uygulama - ToolStrip

- **Button** → **Name** Properties:
  - **boldToolStripButton**

  - **italicToolStripButton**

  - **underlineToolStripButton**

  - **fontsToolStripComboBox**
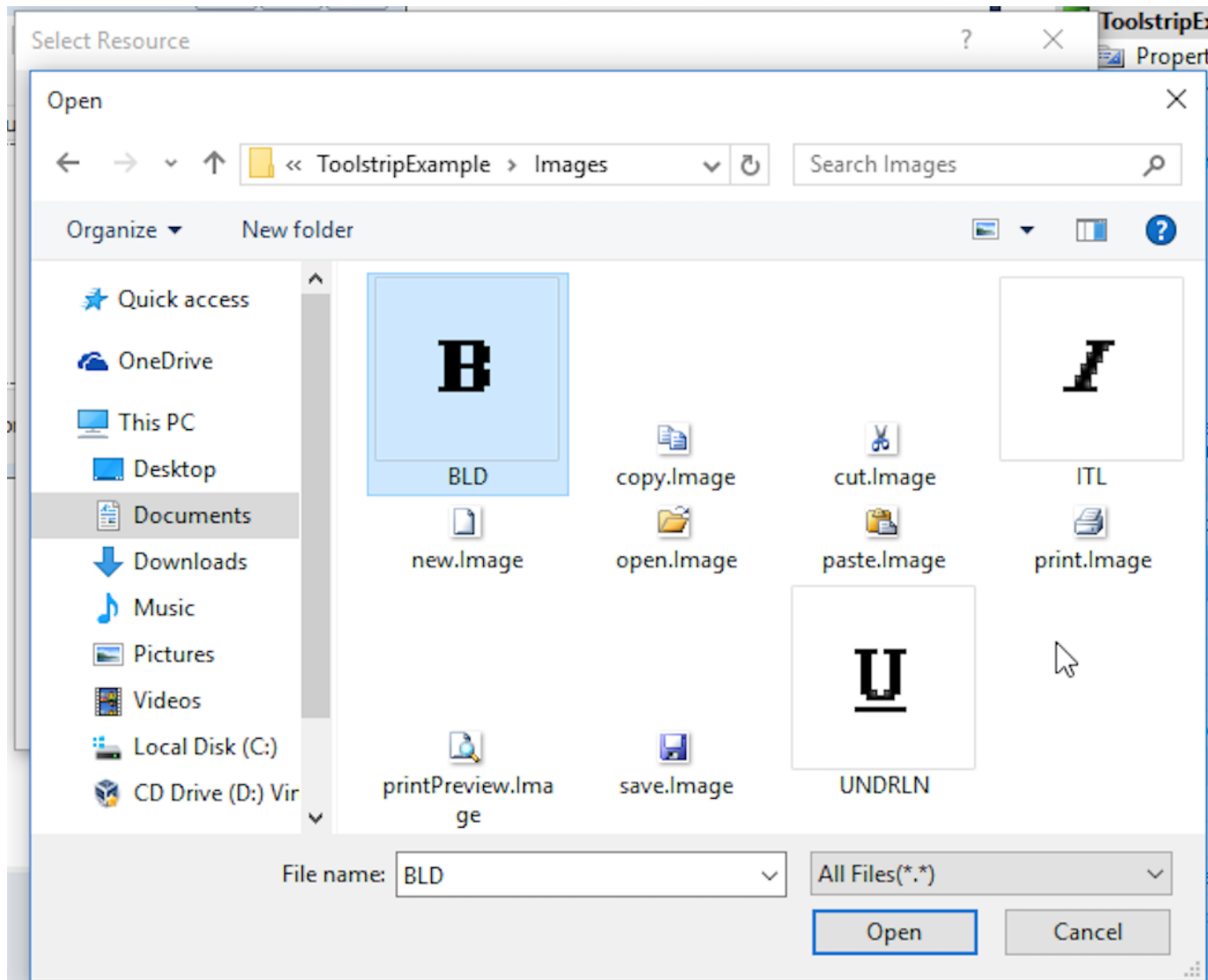
Örnek Uygulama - ToolStrip

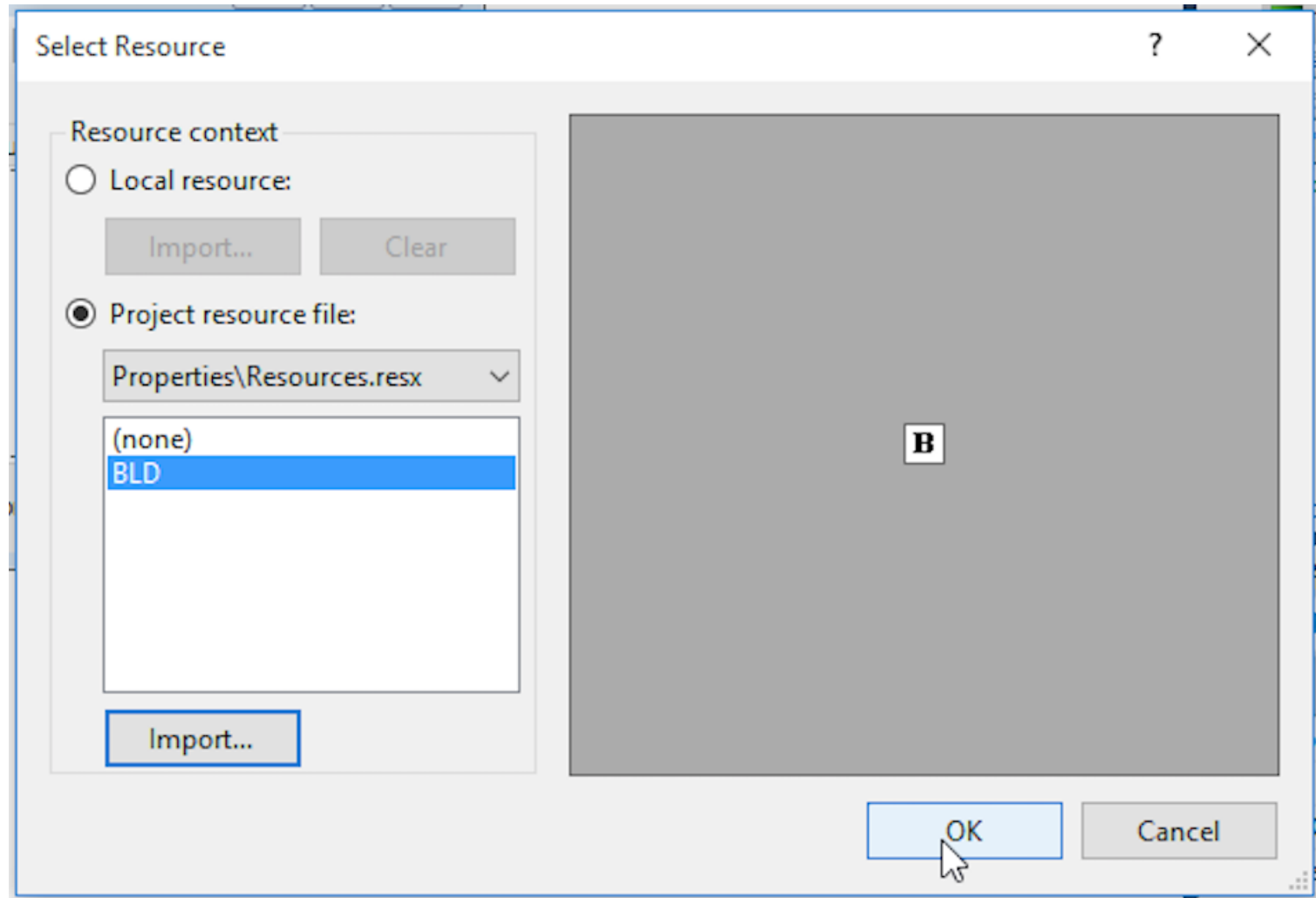- **`boldToolStripButton`** → **Image** Property
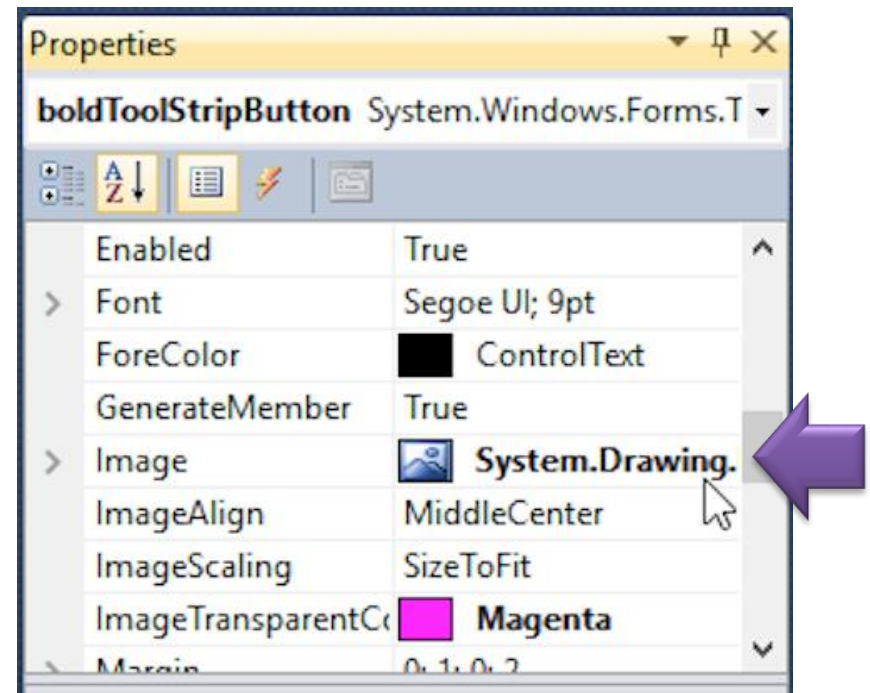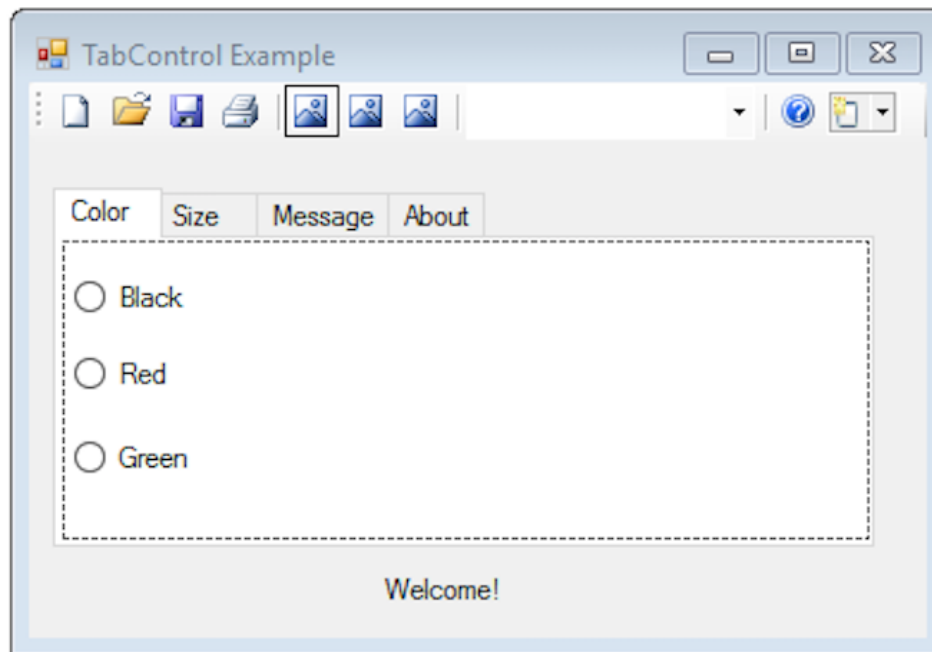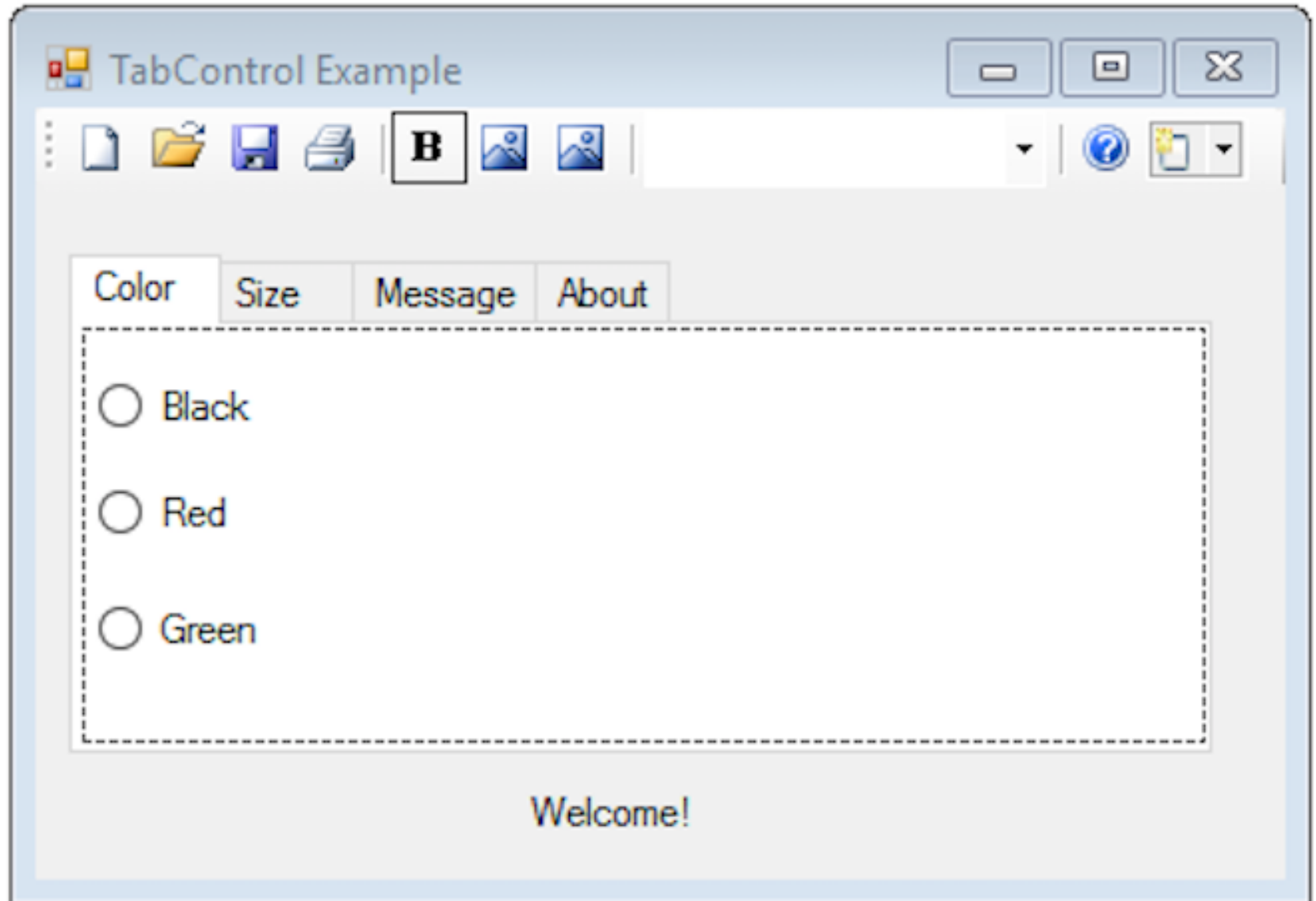
Örnek Uygulama - ToolStrip
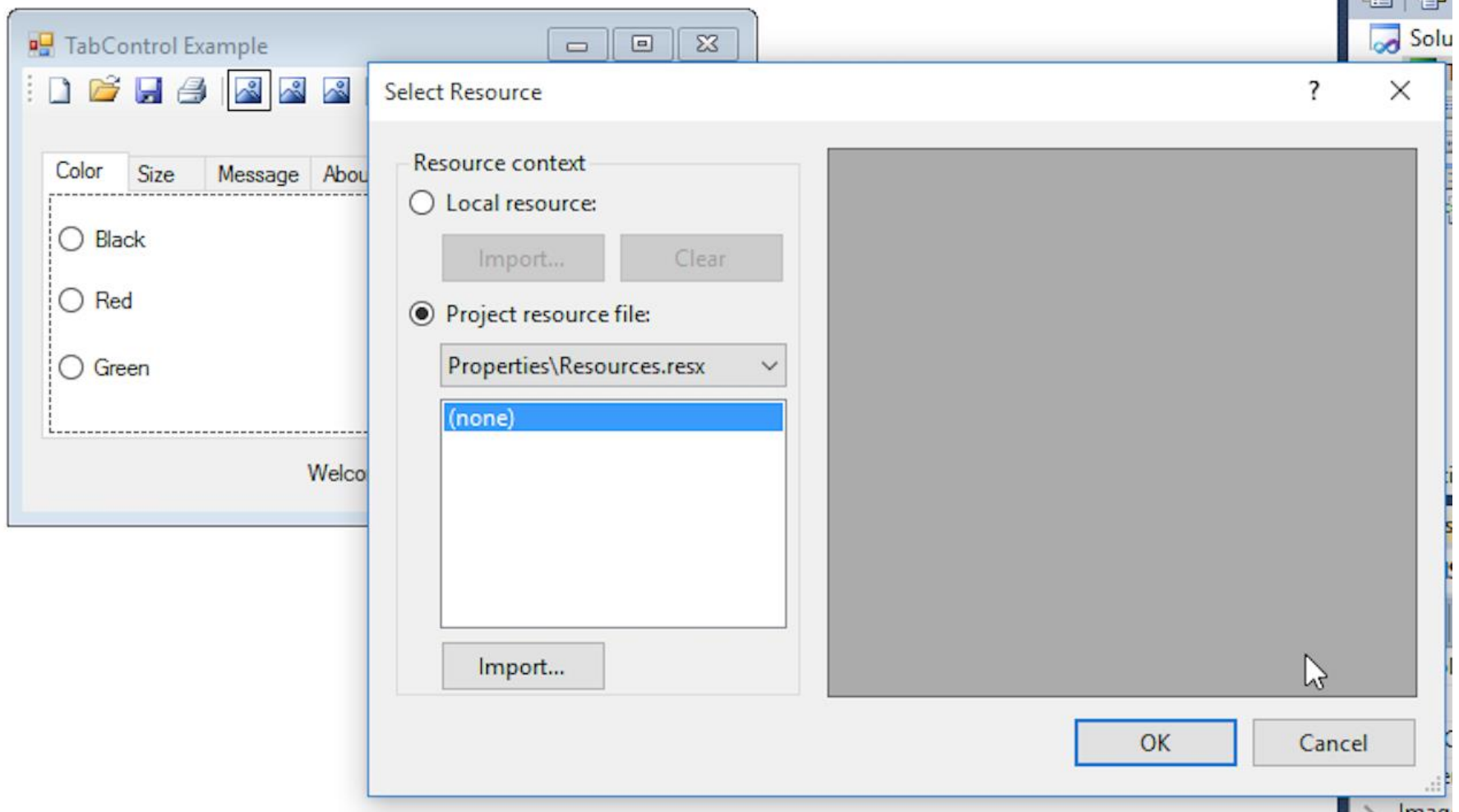
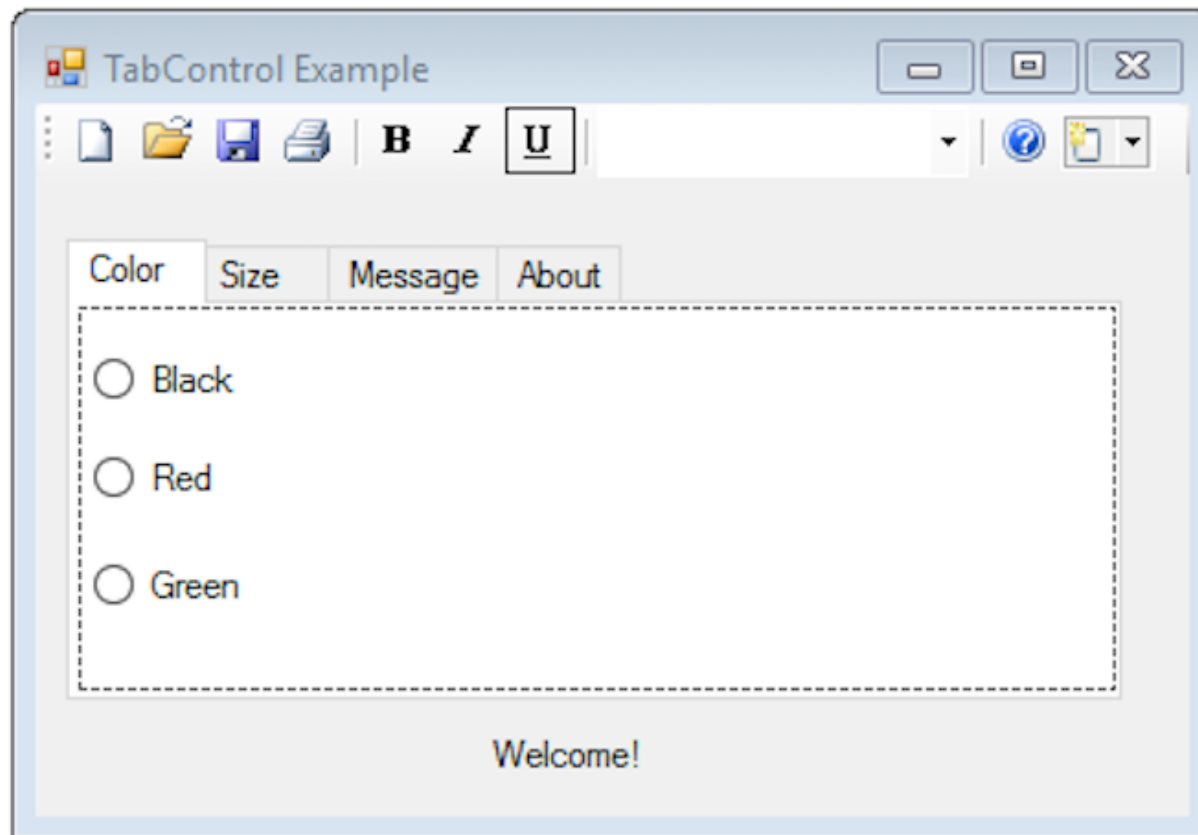# Örnek Uygulama - ToolStrip

Örnek Uygulama - ToolStrip
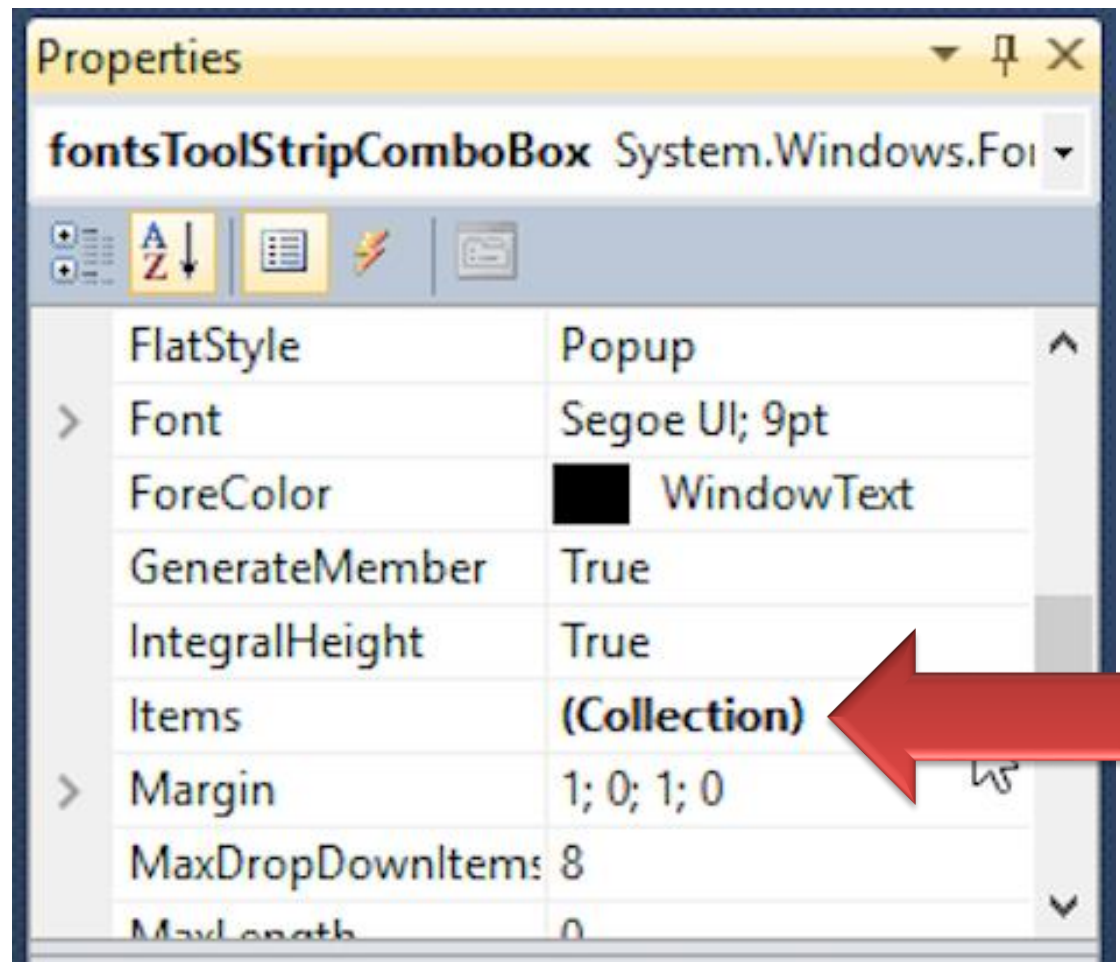
Örnek Uygulama - ToolStrip

Örnek Uygulama - ToolStrip

- **italicToolStripButton** → **Image**

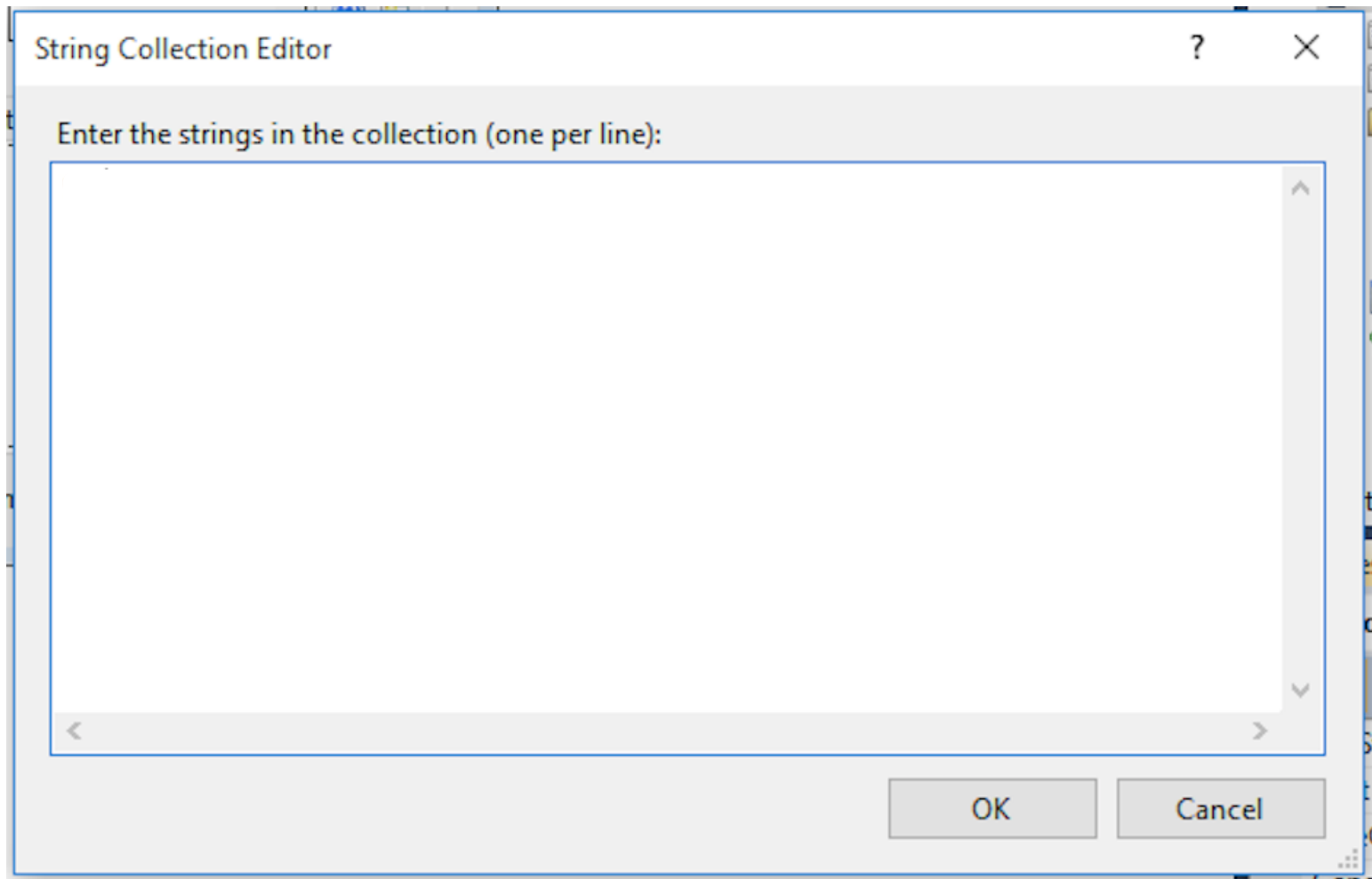- **underlineToolStripButton** → **Image**
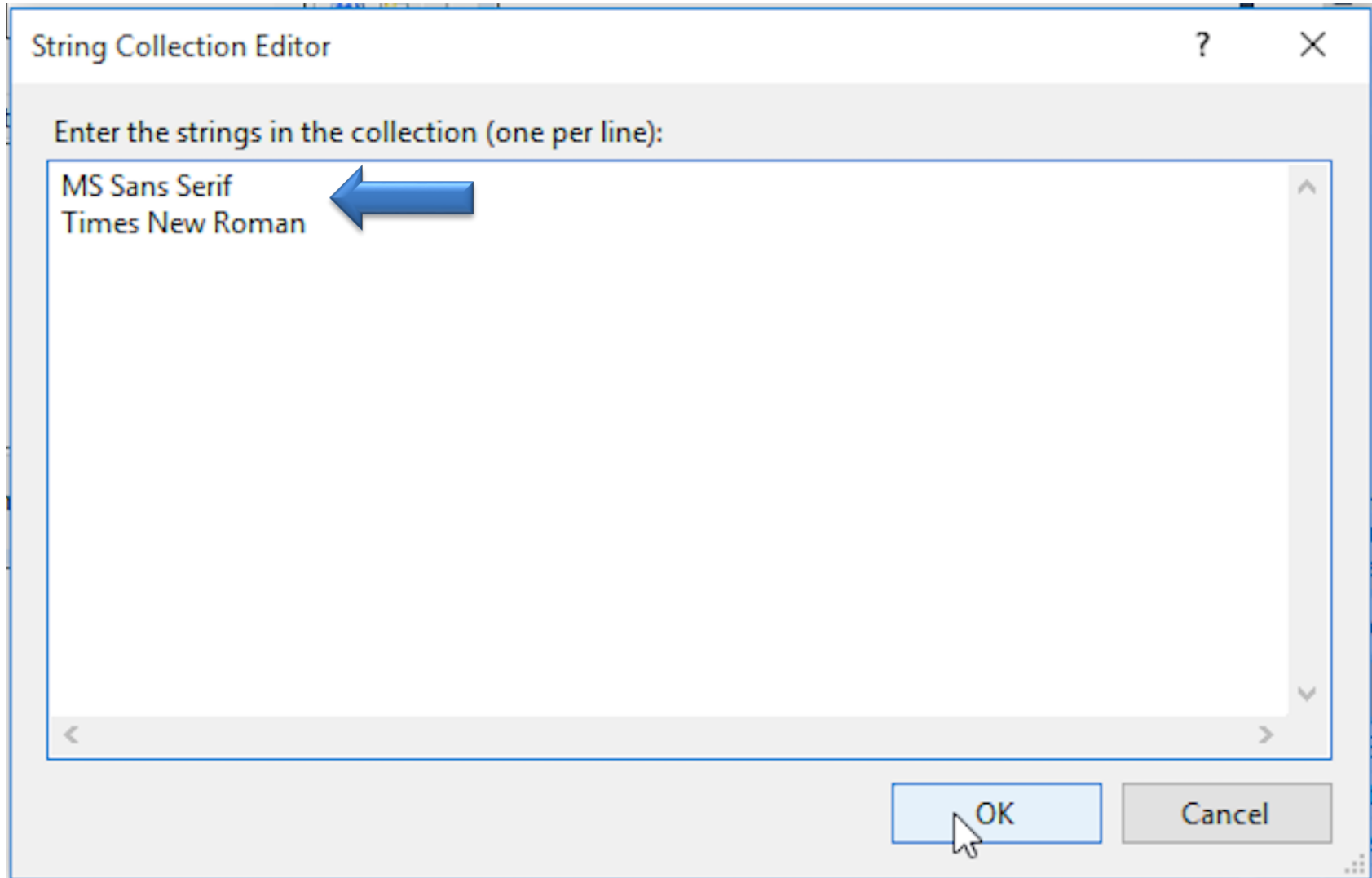
Örnek Uygulama - ToolStrip

fontsToolStripComboBox → **Items** Property
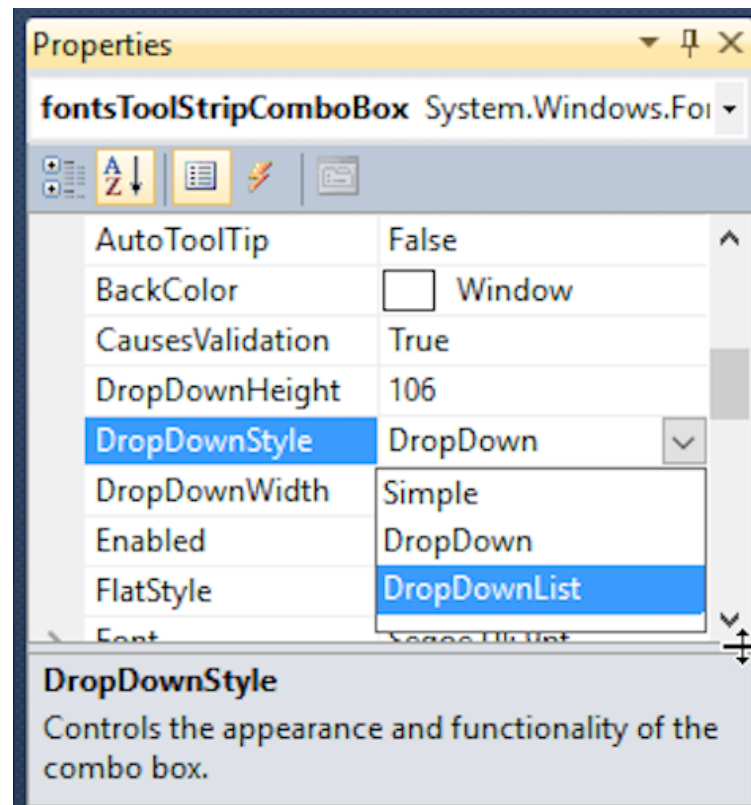
Örnek Uygulama - ToolStrip

Örnek Uygulama - ToolStrip

Örnek Uygulama - ToolStrip

- **`fontsToolStripComboBox`** Property:
 - **DropDownStyle = DropDownList**

Örnek Uygulama - ToolStrip

```csharp
private void boldToolStripButton_Click(object sender, EventArgs e)
{
    displayLabel.Font = new Font(displayLabel.Font, displayLabel.Font.Style ^ FontStyle.Bold);
}

private void italicToolStripButton_Click(object sender, EventArgs e)
{
    displayLabel.Font = new Font(displayLabel.Font, displayLabel.Font.Style ^ FontStyle.Italic);
}

private void underlineToolStripButton_Click(object sender, EventArgs e)
{
    displayLabel.Font = new Font(displayLabel.Font, displayLabel.Font.Style ^ FontStyle.Underline);
}
```

Örnek Uygulama - ToolStrip
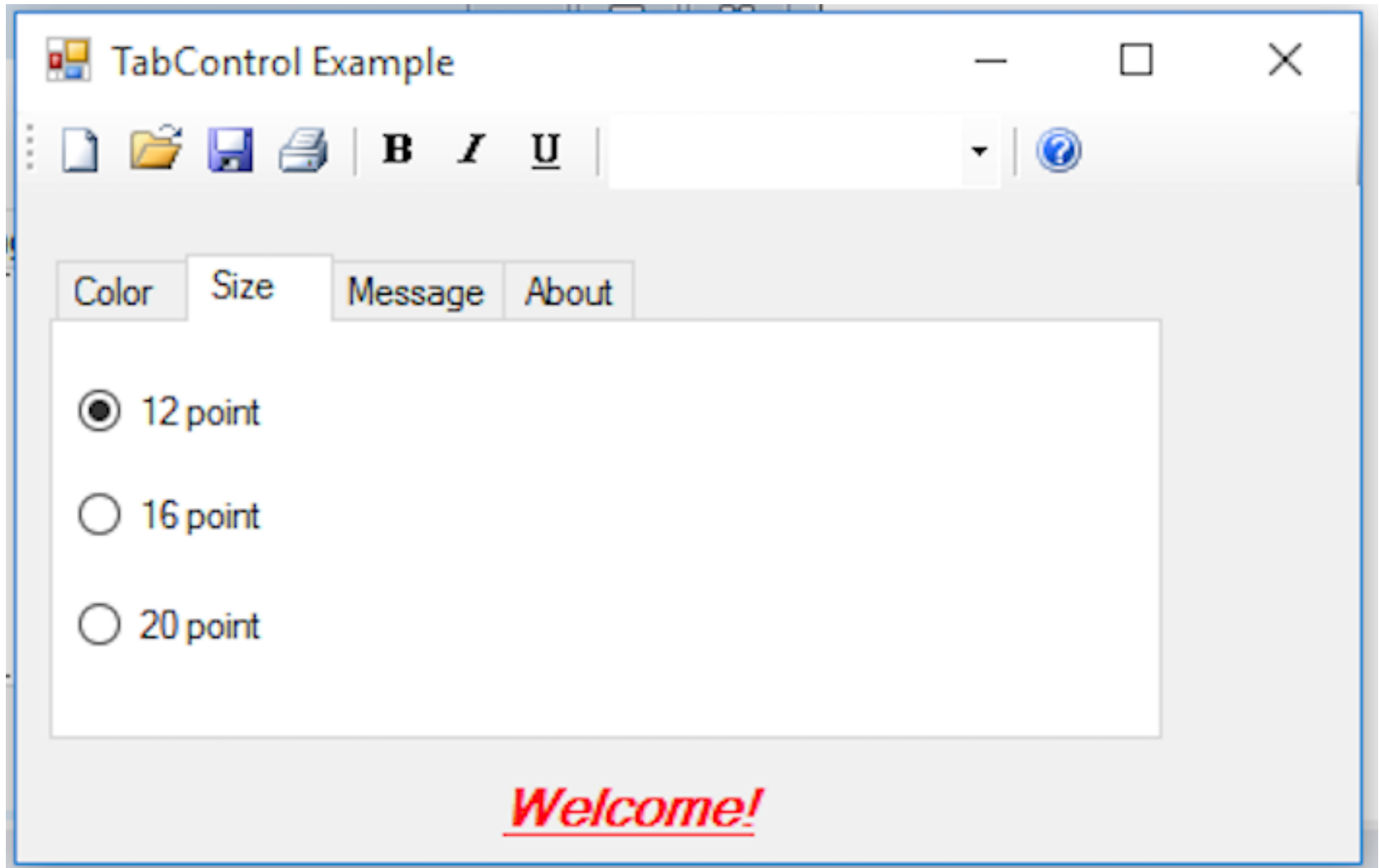
Ödev

- **fontsToolStripComboBox** olay işleme

- **ToolStrip** & **StatusStrip** ile ilgili;

  – Ek bilgi edininiz.

  – Örnekleri inceleyiniz.