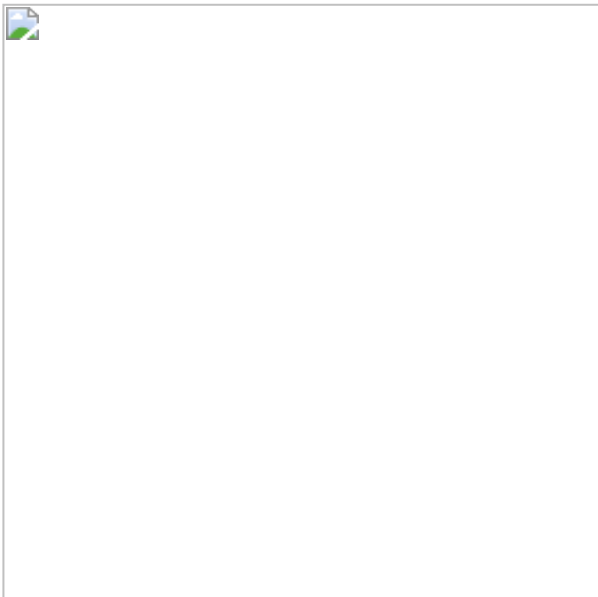


# Combo Box

## 1. ComboBox Test

```
<Window x:Class="ClassicControls.ComboBoxTest"
  xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
  xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
  Title="ComboBoxTest" Height="300" Width="300"
  >
<StackPanel>
  <ComboBox Margin="5" >
    <StackPanel Orientation="Horizontal">
      <Image Source="c:\image.jpg" Width="30" Height="30"></Image>
      <Label VerticalContentAlignment="Center">A happy face</Label>
    </StackPanel>
    <StackPanel Orientation="Horizontal">
      <Image Source="c:\image.jpg" Width="30" Height="30"></Image>
      <Label VerticalContentAlignment="Center">A warning sign</Label>
    </StackPanel>
    <StackPanel Orientation="Horizontal">
      <Image Source="c:\image.jpg" Width="30" Height="30"></Image>
      <Label VerticalContentAlignment="Center">A happy face</Label>
    </StackPanel>
  </ComboBox>
</StackPanel>
</Window>
```



## 2. Bind ComboBox to ListBox ItemsSource

```
<Window x:Class="WpfApplication1.Window1"
  xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
  xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
  Title="" Height="300" Width="300">
```

```

<Window.Resources>
  <x:ArrayExtension Type="{x:Type sys:String}" x:Key="items">
    <sys:String>A</sys:String>
    <sys:String>B</sys:String>
    <sys:String>C</sys:String>
    <sys:String>D</sys:String>
  </x:ArrayExtension>
</Window.Resources>
<StackPanel DataContext="{StaticResource items}">
  <ListBox ItemsSource="{Binding}" ScrollViewer.VerticalScrollBarVisibility="Disabled">
    <ListBox.ItemsPanel>
      <ItemsPanelTemplate>
        <StackPanel Orientation="Horizontal" />
      </ItemsPanelTemplate>
    </ListBox.ItemsPanel>
  </ListBox>
  <ComboBox ItemsSource="{Binding}">
    <ComboBox.ItemsPanel>
      <ItemsPanelTemplate>
        <UniformGrid />
      </ItemsPanelTemplate>
    </ComboBox.ItemsPanel>
  </ComboBox>
</StackPanel>
</Window>

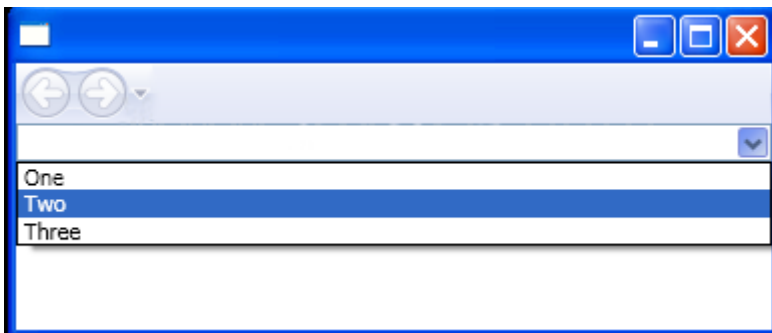
```

### 3. ComboBox with ComboBoxItem

```

<Page xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
  xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml">
  <StackPanel>
    <ComboBox>
      <ComboBoxItem>One</ComboBoxItem>
      <ComboBoxItem>Two</ComboBoxItem>
      <ComboBoxItem>Three</ComboBoxItem>
    </ComboBox>
  </StackPanel>
</Page>

```



### 4. Gets the currently selected ComboBoxItem when the user clicks the Button

```

<Window x:Class="WpfApplication1.Window1"
  xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"

```

```

xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
Title="WPF" Height="100" Width="300">
<StackPanel>
    <ComboBox Name="comboBox" IsEditable="True" Margin="5"
SelectionChanged="ComboBox_SelectionChanged">
        <ComboBoxItem Content="ComboBox Item 1" Selected="ComboBoxItem_Selected" />
        <ComboBoxItem Content="ComboBox Item 2" Selected="ComboBoxItem_Selected" />
        <ComboBoxItem Content="ComboBox Item 3"
Selected="ComboBoxItem_Selected" IsSelected="True"/>
        <ComboBoxItem Content="ComboBox Item 4" Selected="ComboBoxItem_Selected" />
        <ComboBoxItem Content="ComboBox Item 5" Selected="ComboBoxItem_Selected" />
    </ComboBox>
    <Button Content="Get Selected" Margin="5" Width="100" Click="Button_Click" />
</StackPanel>
</Window>

```

```
//File:Window.xaml.vb
```

```
Imports System
```

```
Imports System.Windows
```

```
Imports System.Windows.Controls
```

```
Namespace WpfApplication1
```

```
Public Partial Class Window1
```

```
Inherits Window
```

```
Public Sub New()
```

```
    InitializeComponent()
```

```
End Sub
```

```
Private Sub Button_Click(sender As Object, e As RoutedEventArgs)
```

```
    Dim item As ComboBoxItem = TryCast(comboBox.SelectedItem, ComboBoxItem)
```

```
If item IsNot Nothing Then
```

```
    MessageBox.Show("Current item: " & Convert.ToString(item.Content), Title)
```

```
ElseIf Not [String].IsNullOrEmpty(comboBox.Text) Then
```

```
    MessageBox.Show("Text entered: " + comboBox.Text, Title)
```

```
End If
```

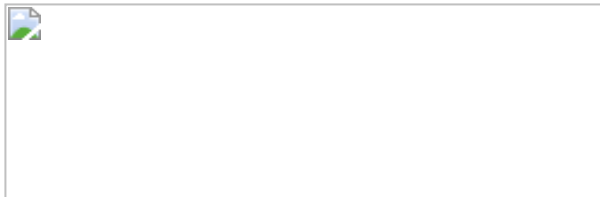
```
End Sub
```

```
Private Sub ComboBox_SelectionChanged(sender As Object, e As SelectionChangedEventArgs)
```

```
If Not IsInitialized Then
```

```
    Return
```

```
End If
```



## 5.If the user has entered text into the ComboBox instead

```

<Window x:Class="WpfApplication1.Window1"
xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"

```

```

xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
Title="WPF" Height="100" Width="300">
<StackPanel>
    <ComboBox Name="comboBox" IsEditable="True" Margin="5"
SelectionChanged="ComboBox_SelectionChanged">
        <ComboBoxItem Content="ComboBox Item 1" Selected="ComboBoxItem_Selected" />
        <ComboBoxItem Content="ComboBox Item 2" Selected="ComboBoxItem_Selected" />
        <ComboBoxItem Content="ComboBox Item 3"
Selected="ComboBoxItem_Selected" IsSelected="True"/>
        <ComboBoxItem Content="ComboBox Item 4" Selected="ComboBoxItem_Selected" />
        <ComboBoxItem Content="ComboBox Item 5" Selected="ComboBoxItem_Selected" />
    </ComboBox>
    <Button Content="Get Selected" Margin="5" Width="100" Click="Button_Click" />
</StackPanel>
</Window>

```

```
//File:Window.xaml.vb
```

```
Imports System
```

```
Imports System.Windows
```

```
Imports System.Windows.Controls
```

```
Namespace WpfApplication1
```

```
Public Partial Class Window1
```

```
Inherits Window
```

```
Public Sub New()
```

```
    InitializeComponent()
```

```
End Sub
```

```
Private Sub Button_Click(sender As Object, e As RoutedEventArgs)
```

```
    Dim item As ComboBoxItem = TryCast(comboBox.SelectedItem, ComboBoxItem)
```

```
If item IsNot Nothing Then
```

```
    MessageBox.Show("Current item: " & Convert.ToString(item.Content), Title)
```

```
ElseIf Not [String].IsNullOrEmpty(comboBox.Text) Then
```

```
    MessageBox.Show("Text entered: " + comboBox.Text, Title)
```

```
End If
```

```
End Sub
```

```
Private Sub ComboBox_SelectionChanged(sender As Object, e As SelectionChangedEventArgs)
```

```
If Not IsInitialized Then
```

```
    Return
```

```
End If
```

```
Dim item As ComboBoxItem = TryCast(comboBox.SelectedItem, ComboBoxItem)
```

```
If item IsNot Nothing Then
```

```
    MessageBox.Show("Selected item: " & Convert.ToString(item.Content), Title)
```

```
End If
```

```
End Sub
```

```
Private Sub ComboBoxItem_Selected(sender As Object, e As RoutedEventArgs)
```

```
If Not IsInitialized Then
```

```
    Return
```

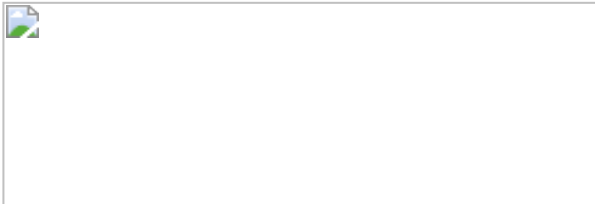
```
End If
```

```

Dim item As ComboBoxItem = TryCast(e.OriginalSource, ComboBoxItem)

If item IsNot Nothing Then
    MessageBox.Show(Convert.ToString(item.Content) & " was selected.", Title)
End If
End Sub
End Class
End Namespace

```



## 6.Handles ComboBox SelectionChanged events.

```

<Window x:Class="WpfApplication1.Window1"
    xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
    xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
    Title="WPF" Height="100" Width="300">
    <StackPanel>
        <ComboBox Name="comboBox" IsEditable="True" Margin="5"
            SelectionChanged="ComboBox_SelectionChanged">
            <ComboBoxItem Content="ComboBox Item 1" Selected="ComboBoxItem_Selected" />
            <ComboBoxItem Content="ComboBox Item 2" Selected="ComboBoxItem_Selected" />
            <ComboBoxItem Content="ComboBox Item 3"
                Selected="ComboBoxItem_Selected" IsSelected="True"/>
            <ComboBoxItem Content="ComboBox Item 4" Selected="ComboBoxItem_Selected" />
            <ComboBoxItem Content="ComboBox Item 5" Selected="ComboBoxItem_Selected" />
        </ComboBox>
        <Button Content="Get Selected" Margin="5" Width="100" Click="Button_Click" />
    </StackPanel>
</Window>

```

```
//File:Window.xaml.vb
```

```
Imports System
```

```
Imports System.Windows
```

```
Imports System.Windows.Controls
```

```
Namespace WpfApplication1
```

```
Public Partial Class Window1
```

```
Inherits Window
```

```
Public Sub New()
```

```
    InitializeComponent()
```

```
End Sub
```

```
Private Sub Button_Click(sender As Object, e As RoutedEventArgs)
```

```
    Dim item As ComboBoxItem = TryCast(comboBox.SelectedItem, ComboBoxItem)
```

```
If item IsNot Nothing Then
```

```
    MessageBox.Show("Current item: " & Convert.ToString(item.Content), Title)
```

```
    ElseIf Not [String].IsNullOrEmpty(comboBox.Text) Then
```

```
    MessageBox.Show("Text entered: " + comboBox.Text, Title)
```

```
End If
```

```
End Sub
```

```
Private Sub ComboBox_SelectionChanged(sender As Object, e As SelectionChangedEventArgs)
```

```
    If Not IsInitialized Then
```

```
        Return
```

```
    End If
```

```
    Dim item As ComboBoxItem = TryCast(comboBox.SelectedItem, ComboBoxItem)
```

```
    If item IsNot Nothing Then
```

```
        MessageBox.Show("Selected item: " & Convert.ToString(item.Content), Title)
```

```
    End If
```

```
End Sub
```

```
Private Sub ComboBoxItem_Selected(sender As Object, e As RoutedEventArgs)
```

```
    If Not IsInitialized Then
```

```
        Return
```

```
    End If
```

```
    Dim item As ComboBoxItem = TryCast(e.OriginalSource, ComboBoxItem)
```

```
    If item IsNot Nothing Then
```

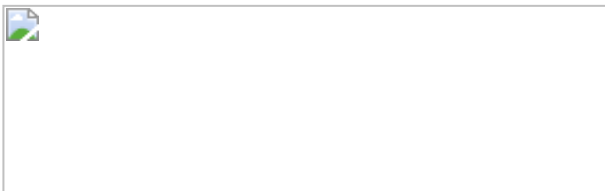
```
        MessageBox.Show(Convert.ToString(item.Content) & " was selected.", Title)
```

```
    End If
```

```
End Sub
```

```
End Class
```

```
End Namespace
```



## 7.Handles ComboBoxItem Selected events.

```
<Window x:Class="WpfApplication1.Window1"
  xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
  xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
  Title="WPF" Height="100" Width="300">
  <StackPanel>
    <ComboBox Name="comboBox" IsEditable="True" Margin="5"
  SelectionChanged="ComboBox_SelectionChanged">
      <ComboBoxItem Content="ComboBox Item 1" Selected="ComboBoxItem_Selected" />
      <ComboBoxItem Content="ComboBox Item 2" Selected="ComboBoxItem_Selected" />
      <ComboBoxItem Content="ComboBox Item 3"
  Selected="ComboBoxItem_Selected" IsSelected="True"/>
      <ComboBoxItem Content="ComboBox Item 4" Selected="ComboBoxItem_Selected" />
      <ComboBoxItem Content="ComboBox Item 5" Selected="ComboBoxItem_Selected" />
```

```
        </ComboBox>
        <Button Content="Get Selected" Margin="5" Width="100" Click="Button_Click" />
    </StackPanel>
</Window>
```

```
//File:Window.xaml.vb
```

```
Imports System
```

```
Imports System.Windows
```

```
Imports System.Windows.Controls
```

```
Namespace WpfApplication1
```

```
Public Partial Class Window1
```

```
Inherits Window
```

```
Public Sub New()
```

```
    InitializeComponent()
```

```
End Sub
```

```
Private Sub Button_Click(sender As Object, e As RoutedEventArgs)
```

```
    Dim item As ComboBoxItem = TryCast(comboBox.SelectedItem, ComboBoxItem)
```

```
If item IsNot Nothing Then
```

```
    MessageBox.Show("Current item: " & Convert.ToString(item.Content), Title)
```

```
ElseIf Not [String].IsNullOrEmpty(comboBox.Text) Then
```

```
    MessageBox.Show("Text entered: " + comboBox.Text, Title)
```

```
End If
```

```
End Sub
```

```
Private Sub ComboBox_SelectionChanged(sender As Object, e As SelectionChangedEventArgs)
```

```
If Not IsInitialized Then
```

```
    Return
```

```
End If
```

```
Dim item As ComboBoxItem = TryCast(comboBox.SelectedItem, ComboBoxItem)
```

```
If item IsNot Nothing Then
```

```
    MessageBox.Show("Selected item: " & Convert.ToString(item.Content), Title)
```

```
End If
```

```
End Sub
```

```
Private Sub ComboBoxItem_Selected(sender As Object, e As RoutedEventArgs)
```

```
If Not IsInitialized Then
```

```
    Return
```

```
End If
```

```
Dim item As ComboBoxItem = TryCast(e.OriginalSource, ComboBoxItem)
```

```
If item IsNot Nothing Then
```

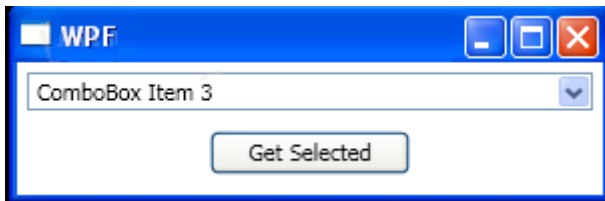
```
    MessageBox.Show(Convert.ToString(item.Content) & " was selected.", Title)
```

```
End If
```

```
End Sub
```

```
End Class
```

```
End Namespace
```



## 8.View and Select Items Using a ComboBox

```

<Window x:Class="WpfApplication1.Window1"
  xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
  xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
  Title="WPF" Height="100" Width="300">
  <StackPanel>
    <ComboBox Name="comboBox" IsEditable="True" Margin="5"
  SelectionChanged="ComboBox_SelectionChanged">
      <ComboBoxItem Content="ComboBox Item 1" Selected="ComboBoxItem_Selected" />
      <ComboBoxItem Content="ComboBox Item 2" Selected="ComboBoxItem_Selected" />
      <ComboBoxItem Content="ComboBox Item 3"
  Selected="ComboBoxItem_Selected" IsSelected="True"/>
      <ComboBoxItem Content="ComboBox Item 4" Selected="ComboBoxItem_Selected" />
      <ComboBoxItem Content="ComboBox Item 5" Selected="ComboBoxItem_Selected" />
    </ComboBox>
    <Button Content="Get Selected" Margin="5" Width="100" Click="Button_Click" />
  </StackPanel>
</Window>

//File:Window.xaml.vb
Imports System
Imports System.Windows
Imports System.Windows.Controls

Namespace WpfApplication1
  Public Partial Class Window1
    Inherits Window
    Public Sub New()
      InitializeComponent()
    End Sub
    Private Sub Button_Click(sender As Object, e As RoutedEventArgs)
      Dim item As ComboBoxItem = TryCast(comboBox.SelectedItem, ComboBoxItem)

      If item IsNot Nothing Then
        MessageBox.Show("Current item: " & Convert.ToString(item.Content), Title)
      ElseIf Not [String].IsNullOrEmpty(comboBox.Text) Then
        MessageBox.Show("Text entered: " + comboBox.Text, Title)
      End If
    End Sub

    Private Sub ComboBox_SelectionChanged(sender As Object, e As SelectionChangedEventArgs)

      If Not IsInitialized Then
        Return
      End If
  
```



```
Dim item As ComboBoxItem = TryCast(comboBox.SelectedItem, ComboBoxItem)
```

```
If item IsNot Nothing Then
```

```
    MessageBox.Show("Selected item: " & Convert.ToString(item.Content), Title)
```

```
End If
```

```
End Sub
```

```
Private Sub ComboBoxItem_Selected(sender As Object, e As RoutedEventArgs)
```

```
If Not IsInitialized Then
```

```
    Return
```

```
End If
```

```
Dim item As ComboBoxItem = TryCast(e.OriginalSource, ComboBoxItem)
```

```
If item IsNot Nothing Then
```

```
    MessageBox.Show(Convert.ToString(item.Content) & " was selected.", Title)
```

```
End If
```

```
End Sub
```

```
End Class
```

```
End Namespace
```

