## 您

C# MAUI 7.0 ListView 基本範例

## Copilot

Sure! Here's a basic example of how to use a ListView in a .NET MAUI 7.0 application:

1. **Create a new .NET MAUI project**:
2. **Add a** ListView **to your XAML file** (e.g., MainPage.xaml):
3. **Define the data model** (e.g., Item.cs):
4. **Populate the** ListView **with data** in the code-behind file (e.g., MainPage.xaml.cs):

This example demonstrates a simple ListView that displays a list of items with a name and detail. You can customize the ListView further by defining custom cells, adding headers and footers, and more [1] [2].

If you have any specific requirements or need further customization, feel free to ask!

來源: 與 Copilot 的交談， 2024/7/12

1. [.NET MAUI - ListView - Code Samples | Microsoft Learn](https://learn.microsoft.com/en-us/samples/dotnet/maui-samples/userinterface-listview/)
2. [ListView - .NET MAUI | Microsoft Learn](https://learn.microsoft.com/en-us/dotnet/maui/user-interface/controls/listview?view=net-maui-8.0)
3. [SyncfusionExamples/getting-started-with-the-dotnet-maui-listview](https://github.com/SyncfusionExamples/getting-started-with-the-dotnet-maui-listview)
4. [.NET MAUI Examples & Sample Apps - Telerik UI for .NET MAUI](https://docs.telerik.com/devtools/maui/demos-and-sample-apps/overview)
5. [How to add items to ListView with .NET C# - Stack Overflow](https://stackoverflow.com/questions/74437814/how-to-add-items-to-listview-with-net-c-sharp)

## 您

就上面的範例 如何加上 當ListView 項目被選擇時 文字變成紅色 背景變成藍色

## Copilot

你可以使用 VisualStateManager 來改變 ListView 項目被選擇時的文字顏色和背景顏色。以下是如何在上面的範例中實現這一點：

1. **更新 XAML 文件** (MainPage.xaml):
2. **更新代碼後端文件** (MainPage.xaml.cs):

這樣，當你選擇 ListView 中的一個項目時，該項目的背景顏色會變成藍色，文字顏色會變成紅色。如果你有其他需求或需要進一步的自定義，隨時告訴我！

來源: 與 Copilot 的交談， 2024/7/12

1. [How to set the selected item background color in ListView (.Net MAUI) for UWP - Stack Overflow](https://stackoverflow.com/questions/76160545/how-to-set-the-selected-item-background-color-in-listview-net-maui-for-uwp)
2. [How to set the selecteditem background color in List View (.net MUAI)](https://learn.microsoft.com/en-us/answers/questions/1274771/how-to-set-the-selecteditem-background-color-in-li)
3. [Selected item color 'CollectionView' in .NET 7. · Issue #11393 · dotnet/maui · GitHub](https://github.com/dotnet/maui/issues/11393)
4. [c# - How to change the background color of Selected item in CollectionView? .Net Maui - Stack Overflow](https://stackoverflow.com/questions/75150479/how-to-change-the-background-color-of-selected-item-in-collectionview-net-maui)
5. [.net - How to change color of selected text for Entry and Editor controls in MAUI.NET - Stack Overflow](https://stackoverflow.com/questions/74113908/how-to-change-color-of-selected-text-for-entry-and-editor-controls-in-maui-net)

## 您

上面範例在編譯時 出現 'VisualStateGroups' 不可附加到類型 'ViewCell' 的元素 錯誤

## Copilot

你是對的，VisualStateGroups 不能直接附加到 ViewCell。我們可以改用 CollectionView，它支持 VisualStateManager。以下是更新後的範例：

1. **更新 XAML 文件** (MainPage.xaml):
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這樣，當你選擇 CollectionView 中的一個項目時，該項目的背景顏色會變成藍色，文字顏色會變成紅色。如果你有其他需求或需要進一步的自定義，隨時告訴我！

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1. [c# - .NET MAUI Collection selection color isn't changing - Stack Overflow](https://stackoverflow.com/questions/75952941/net-maui-collection-selection-color-isnt-changing)
2. [c# - Maui Listview grouping - Stack Overflow](https://stackoverflow.com/questions/75440184/maui-listview-grouping)
3. [ListView - .NET MAUI | Microsoft Learn](https://learn.microsoft.com/en-us/dotnet/maui/user-interface/controls/listview?view=net-maui-8.0)
4. [How to set VisualStates in MAUI CollectionView in C# (NOT Xaml)](https://learn.microsoft.com/en-us/answers/questions/1182099/how-to-set-visualstates-in-maui-collectionview-in)
5. <http://schemas.microsoft.com/dotnet/2021/maui>
6. <http://schemas.microsoft.com/winfx/2009/xaml>

## 您

上面範例 選擇時 背景會變成藍色 但是文字不會變色 要如何解決

## Copilot

要解決這個問題，我們需要確保 Label 的 VisualStateManager 正確應用於 Selected 狀態。以下是更新後的範例：

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這樣，當你選擇 CollectionView 中的一個項目時，該項目的背景顏色會變成藍色，文字顏色會變成紅色。如果你有其他需求或需要進一步的自定義，隨時告訴我！

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2. [selecteditem - How to change the background color of Selected item in CollectionView? .Net Maui in a command - Stack Overflow](https://stackoverflow.com/questions/78415803/how-to-change-the-background-color-of-selected-item-in-collectionview-net-maui)
3. [How to set the selecteditem background color in List View (.net MUAI)](https://learn.microsoft.com/en-us/answers/questions/1274771/how-to-set-the-selecteditem-background-color-in-li)
4. [How to set the selected item background color in ListView (.Net MAUI) for UWP - Stack Overflow](https://stackoverflow.com/questions/76160545/how-to-set-the-selected-item-background-color-in-listview-net-maui-for-uwp)
5. [Changing the Background Color of Selected Items in CollectionView using Net Maui](https://devcodef1.com/news/1239723/change-selected-item-background-in-collectionview-net-maui)

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## 您

上面範例 當我選擇到 Grid 會觸發 Grid的VisualStateGroupList 設定 如果此時 也要連帶觸發Label的VisualStateGroupList 的設定 要如何時做

## Copilot

要同時觸發 Grid 和 Label 的 VisualStateGroupList 設定，可以使用 Triggers 來監聽 Grid 的狀態變化，並相應地改變 Label 的狀態。以下是更新後的範例：

1. **更新 XAML 文件** (MainPage.xaml):
2. **更新代碼後端文件** (MainPage.xaml.cs):

這樣，當你選擇 CollectionView 中的一個項目時，Grid 的背景顏色會變成藍色，並且 Label 的文字顏色會變成紅色。如果你有其他需求或需要進一步的自定義，隨時告訴我！

來源: 與 Copilot 的交談， 2024/7/12

1. [Configure CollectionView item selection - .NET MAUI](https://learn.microsoft.com/en-us/dotnet/maui/user-interface/controls/collectionview/selection?view=net-maui-8.0)
2. [Visual states - .NET MAUI | Microsoft Learn](https://learn.microsoft.com/en-us/dotnet/maui/user-interface/visual-states?view=net-maui-8.0)
3. [Setting VisualState Triggers in C# in Xamarin.Forms and MAUI](https://stackoverflow.com/questions/75365999/setting-visualstate-triggers-in-c-sharp-in-xamarin-forms-and-maui)
4. [CollectionView with AdaptiveTrigger not rendered properly · Issue #21719 · dotnet/maui](https://github.com/dotnet/maui/issues/21719)
5. [Display grouped data in a CollectionView - .NET MAUI](https://learn.microsoft.com/en-us/dotnet/maui/user-interface/controls/collectionview/grouping?view=net-maui-8.0)

## 您

上面範例中 Label Binding Source 如何替換成Grid

## Copilot

要將 Label 的 Binding Source 替換成 Grid，我們可以使用 RelativeSource 綁定。這樣可以確保 Label 的 VisualStateManager 會根據 Grid 的狀態變化而觸發。以下是更新後的範例：

1. **更新 XAML 文件** (MainPage.xaml):
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這樣，當你選擇 CollectionView 中的一個項目時，Grid 的背景顏色會變成藍色，並且 Label 的文字顏色會變成紅色。如果你有其他需求或需要進一步的自定義，隨時告訴我！

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1. [c# - .NET MAUI How to make a proper Gridlayout in Collectionview with Header? - Stack Overflow](https://stackoverflow.com/questions/75471886/net-maui-how-to-make-a-proper-gridlayout-in-collectionview-with-header)
2. [MAUI How to bind an ObservableCollection to a Grid?](https://stackoverflow.com/questions/76821876/maui-how-to-bind-an-observablecollection-to-a-grid)
3. [c# - .Net Maui - Binding to array or list? - Stack Overflow](https://stackoverflow.com/questions/75730377/net-maui-binding-to-array-or-list)
4. [Relative bindings - .NET MAUI | Microsoft Learn](https://learn.microsoft.com/en-us/dotnet/maui/fundamentals/data-binding/relative-bindings?view=net-maui-8.0)
5. <https://learn.microsoft.com/en-us/dotnet/maui/fundamentals/datatemplate>
6. <https://learn.microsoft.com/en-us/dotnet/maui/user-interface/controls/contentview>
7. <http://schemas.microsoft.com/dotnet/2021/maui>
8. <http://schemas.microsoft.com/winfx/2009/xaml>