

Switch and RadioButton Elements in .NET MAUI Labs

Perform these labs on your own computer using Visual Studio 2022 or later to ensure you understand the lessons presented in the corresponding videos and lectures.

Lab 1: Switch

Open the **Views\UserDetailView.xaml** file.

In the top <Grid> control add an **"Auto"** to the **RowDefinitions** attribute.

Locate the last <HorizontalStackLayout> control and change it to **Grid.Row="7"**.

Just after the closing </FlexLayout> element and before the <HorizontalStackLayout> element you just modified, add the following XAML.

```
<Label Grid.Row="6"
      Text="Still Employed?" />
<Switch Grid.Row="6"
        Grid.Column="1" />
```

Try It Out

Run the application and click on the **Users | Navigate to Detail** to see the switch. Notice the labels for **On/Off** that appear as you toggle it.

Lab 2: Override the Switch Labels

Open the **MauiProgram.cs** file and just add a new method named **SetHandlers()** within the **MauiProgram** class.

```
#if WINDOWS
    public static void SetWindowHandlers()
    {

        Microsoft.Maui.Handlers.SwitchHandler.Mapper.AppendToMapping("Custom", (h, v) =>
        {
            // Get rid of On/Off label beside switch, to match
            other platforms
            h.PlatformView.OffContent = string.Empty;
            h.PlatformView.OnContent = string.Empty;

            h.PlatformView.MinWidth = 0;
        });
    }
#endif
```

In the `CreateMauiApp()` method, just after your call to the `SetWindowOptions()` method you added earlier in this course, add the following.

```
#if WINDOWS
    SetWindowOptions(builder);

    // Turn off labels on <Switch> element
    SetWindowHandlers();
#endif
```

Try It Out

Run the application and click on **Users | Navigate to Detail** to see the `<Switch>` without any labels.

If you want, you may modify the labels to display **Yes** and **No**. Change the following two lines within the `SetWindowHandlers()` method.

```
h.PlatformView.OffContent = "No";
h.PlatformView.OnContent = "Yes";
```

Lab 3: Radio Button

Open the **Views\UserDetailView.xaml** file

In the top <Grid> control add an **"Auto"** to the **RowDefinitions** attribute.
Change the last <HorizontalStackLayout> element to use **Grid.Row="8"**.
Insert the following code before the last <HorizontalStackLayout> element.

```
<Label Text="Employee Type"
      Grid.Row="7" />
<FlexLayout Grid.Row="7"
            Grid.Column="1"
            Wrap="Wrap"
            Direction="Row">
  <HorizontalStackLayout>
    <Label Text="Full-Time" />
    <RadioButton IsChecked="True"
                 GroupName="EmployeeType" />
  </HorizontalStackLayout>
  <HorizontalStackLayout>
    <Label Text="Part-Time" />
    <RadioButton GroupName="EmployeeType" />
  </HorizontalStackLayout>
</FlexLayout>
```

Try It Out

Run the application and click on **Users | Navigate to Detail** to see the radio buttons.