

StackLayout, FlexLayout and CheckBox 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: HorizontalStackLayout

Open the **MainPage.xaml** file and add one **"Auto"** to the `<Grid>`.

Add the following XAML before the closing `</Grid>` tag.

```
<HorizontalStackLayout Grid.Row="7"
                        Grid.Column="1"
                        Spacing="5">
    <Button Text="Save" />
    <Button Text="Cancel" />
</HorizontalStackLayout>
```

Try It Out

Run the application and notice how the two buttons are placed next to one another.

Lab 2: Vertical Stack Layout

Locate the `<Entry>` control just below the `<Label Text="Login Id" />` and replace that `<Entry>` with the following XAML. Don't remove the `<Label Text="Login Id" />`.

```
<VerticalStackLayout Grid.Row="3"
                    Grid.Column="1">
    <Entry Text="" />
    <Label FontSize="Micro"
          Text="Please use a combination of letters and
numbers." />
</VerticalStackLayout>
```

Try It Out

Run the application and see how the label is placed below the entry control.

Lab 3: Flex Layout

Add one **"Auto"** to the Grid.

Change the last `<HorizontalStackLayout>` that contains the Save and Cancel buttons to be in **Grid.Row="8"**.

Just before the last `<HorizontalStackLayout>` that contains the Save and Cancel buttons, add the following XAML.

```
<Label Grid.Row="7"
      Text="Is Enrolled?" />
<FlexLayout Grid.Row="7"
            Grid.Column="1"
            Wrap="Wrap"
            Direction="Row">
  <HorizontalStackLayout Spacing="5">
    <Label Text="401k?" />
    <CheckBox IsChecked="True"/>
  </HorizontalStackLayout>
  <HorizontalStackLayout Spacing="5">
    <Label Text="Flex Time?" />
    <CheckBox />
  </HorizontalStackLayout>
  <HorizontalStackLayout Spacing="5">
    <Label Text="Health Care?" />
    <CheckBox IsChecked="True" />
  </HorizontalStackLayout>
  <HorizontalStackLayout Spacing="5">
    <Label Text="Health Savings Account?" />
    <CheckBox IsChecked="True" />
  </HorizontalStackLayout>
</FlexLayout>
```

Try It Out

Run the application and **shrink** the screen to see the check boxes are wrapped.