

Use a Grid Layout 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: Create a Grid with Labels

Open the **MainPage.xaml** file and replace the <Label> element with the following XAML.

```
<Grid RowDefinitions="Auto,Auto"
      ColumnDefinitions="Auto,*">
  <Label Grid.Row="0"
        Grid.ColumnSpan="2"
        Text="User Information"
        FontSize="Title" />
  <Label Grid.Row="1"
        Grid.ColumnSpan="2"
        Text="Use this Screen to Modify User
Information."
        FontSize="Body" />
</Grid>
```

Try It Out

Run the application to see the results.

Lab 2: Add a BoxView

Add two more "Auto" to the RowDefinitions on the <Grid>.

```
<Grid RowDefinitions="Auto,Auto,Auto,Auto" ...
```

Add to the grid just below the labels.

```
<BoxView Grid.Row="2"
          Grid.ColumnSpan="2"
          Margin="0,0,0,20"
          HeightRequest="1"
          Color="Black" />
<Label Grid.Row="3"
        Text="Login ID" />
<Entry Grid.Row="3"
        Grid.Column="1"
        Text="" />
```

Try It Out

Run the application to see the results.

Lab 3: Add the Rest of the Fields

Add three more **"Auto"** to the RowDefinitions on the <Grid>.

Add the following XAML below the last <Entry> added in the last demo.

```
<Label Grid.Row="4"
        Text="First Name" />
<Entry Grid.Row="4"
        Grid.Column="1"
        Text="" />
<Label Grid.Row="5"
        Text="Last Name" />
<Entry Grid.Row="5"
        Grid.Column="1"
        Text="" />
<Label Grid.Row="6"
        Text="Email Address" />
<Entry Grid.Row="6"
        Grid.Column="1"
        Text="" />
```

Try It Out

Run the application to see the results.

Notice how there is no spacing between the controls.

Lab 4: Row and Column Spacing

Add the following to the <Grid> control.

```
<Grid RowDefinitions="Auto,Auto,..."
      ColumnDefinitions="Auto,*"
      ColumnSpacing="10"
      RowSpacing="10">
```

Try It Out

Run the application and notice the spacing between the rows and columns in the grid.

Lab 5: Margin and Padding

Add the following to the <Grid> control.

```
<Grid RowDefinitions="Auto,Auto,Auto, ..."
      ColumnDefinitions="Auto,*"
      ColumnSpacing="10"
      RowSpacing="10"
      Margin="10"
      Padding="10">
```

Try It Out

Run the application to see the results.