

Borders and ScrollView 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: Add a Border on Main Page

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

```
<Border StrokeThickness="2"
        HorizontalOptions="Center"
        VerticalOptions="Center"
        Padding="10">
    <Label Text="{StaticResource ApplicationTitle}"
           FontSize="Large" />
</Border>
```

Try It Out

Run the application and view the border around the application title on the main page.

Lab 2: Add a Border Around All Views

Let's adjust all the views so they look more like a normal screen.

Open the **Resources\Styles\AppStyles.xaml** file and add a new keyed style.

```
<Style TargetType="Border"
      x:Key="Border.Page">
  <Setter Property="Stroke"
    Value="Gray" />
  <Setter Property="StrokeThickness"
    Value="1" />
  <Setter Property="Margin"
    Value="10" />
  <Setter Property="HorizontalOptions"
    Value="Fill" />
  <Setter Property="VerticalOptions"
    Value="Fill" />
</Style>
```

Open the **Views\LoginView.xaml** file and wrap a `<Border>` around the `<Grid>`.

```
<Border Style="{StaticResource Border.Page}">
```

Open the **Views\ProductDetail.xaml** file and wrap a `<Border>` around the `<Grid>`.

```
<Border Style="{StaticResource Border.Page}">
```

Open the **Views\UserDetailView.xaml** file and wrap a `<Border>` around the `<Grid>`.

```
<Border Style="{StaticResource Border.Page}">
```

Try It Out

Run the application and click on each menu item of the changed files to view the border around each screen.

Lab 3: Add a ScrollView to Product Detail Page

Run the application and click on **Products** menu.

Reduce the main window to show how the screen gets cut off.

Stop the application.

Open the **Views\ProductDetailView.xaml** file and wrap a <ScrollView> control inside the <Border>, and around the <Grid> element.

```
<Border ...>
  <ScrollView>
    <Grid ...>
    </Grid>
  </ScrollView>
</Border>
```

Open the **Views\UserDetailView.xaml** file and wrap a <ScrollView> control inside the <Border>, and around the <Grid> element.

```
<Border ...>
  <ScrollView>
    <Grid ...>
    </Grid>
  </ScrollView>
</Border>
```

Open the **Views>LoginView.xaml** file and wrap a <ScrollView> control inside the <Border>, and around the <Grid> element.

```
<Border ...>
  <ScrollView>
    <Grid ...>
    </Grid>
  </ScrollView>
</Border>
```

Try It Out

Run the application and click on the **Products** menu, reduce the main window size to show that it now displays a scroll bar. Check out the User Detail and Login views as well.