XAML Grid Layout Lab - MAUI

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 Login Screen

Open the **MainPage.xaml** and create the screen shown in Figure 1 using <Grid>, <Label>, <Entry>, and <Button> elements.

Some things to keep in mind.

- The label at the top of the screen should be spread over the whole width of the grid.
- Put some distance between these controls and the side of the ContentPage.
- Put some distance between each of the controls.
- Make sure the label text is aligned with the entry controls.
- Put the buttons under the entry controls.
- Make sure this screen looks good on both Windows and the Android Emulator.

Try It Out

Run the application on **Windows**.

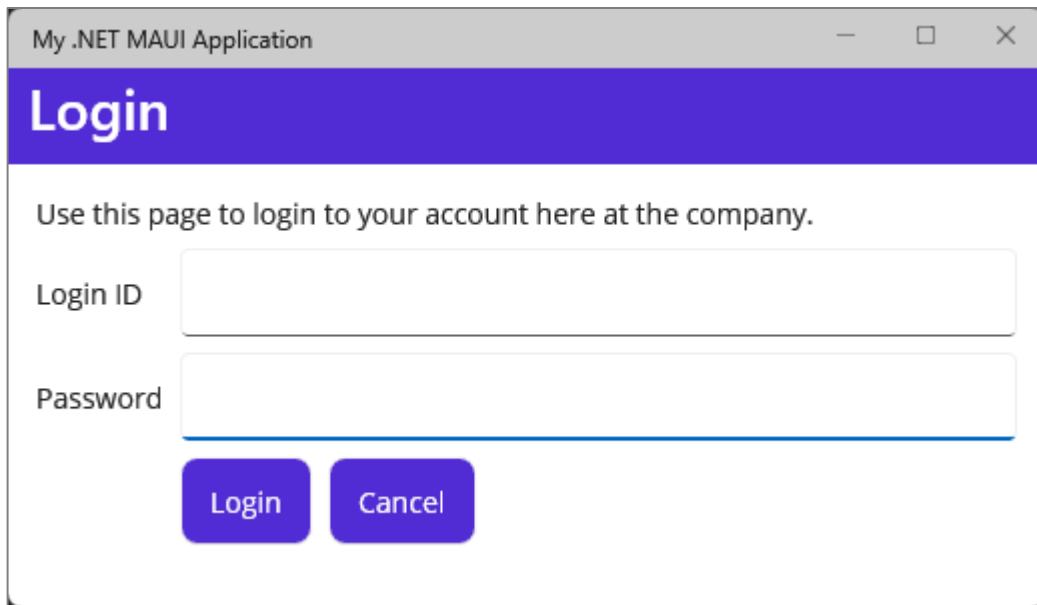Run the application on the **Android** Emulator.

Figure 1: A Login screen created using a Grid

Lab 2: Add a ContentPage for the Login View

Right mouse-click on the project and add a new folder named **Views**.

Right mouse-click on the **Views** folder and select **Add | New Item | .NET MAUI | .NET MAUI ContentPage (XAML)…** from the context-sensitive menu.

Set the name of the page to **LoginView**.

Set the **Title** to "Login".

Delete all the XAML within the <ContentPage> element.

Open the **MainPage.xaml** file and copy the XAML you created to the clipboard.

Do not copy <ContentPage> element or the </ContentPage> element.

Go back to the **LoginView.xaml** file and paste the XAML within the <ContentPage> element.

You are going to use this view later in this course.