DatePicker, TimePicker, and Picker 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: Date Picker

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="9"**.

Insert the following code before the last <HorizontalStackLayout> element.

```
<Label Text="Birth Date"
       Grid.Row="8" />
<DatePicker Grid.Row="8"
            Grid.Column="1"
            HorizontalOptions="Start" />
```

Try It Out

Run the application and click on **Users | Navigate to Detail** to see the new date picker control.

Lab 2: Time Picker

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="10"**.

Insert the following code before the last <HorizontalStackLayout> element.

```
<Label Text="Start Time"
       Grid.Row="9" />
<TimePicker Grid.Row="9"
            Grid.Column="1"
            Time="06:00:00" />
```

Try It Out

Run the application and click on **Users | Navigate to Detail** to see the new time picker control.

Lab 3: Picker (Drop-Down List)

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="11"**.

Insert the following code before the last <HorizontalStackLayout> element.

```
<Label Text="Phone"
        Grid.Row="10" />
<FlexLayout Grid.Row="10"
            Grid.Column="1"
            Wrap="Wrap"
            Direction="Row">
  <HorizontalStackLayout>
    <Entry MinimumWidthRequest="150"
          Text="" />
  </HorizontalStackLayout>
  <HorizontalStackLayout>
    <Picker>
      <Picker.ItemsSource>
        <x:Array Type="{x:Type x:String}">
          <x:String>Home</x:String>
          <x:String>Mobile</x:String>
          <x:String>Other</x:String>
        </x:Array>
      </Picker.ItemsSource>
    </Picker>
  </HorizontalStackLayout>
</FlexLayout>
```

Try It Out

Stop the application.

Run the application and click on **Users | Navigate to Detail** to see the new drop-down picker control.