UWP

UNIVERSAL WINDOWS PLATFORM

ENG. HAGAR FAWZY

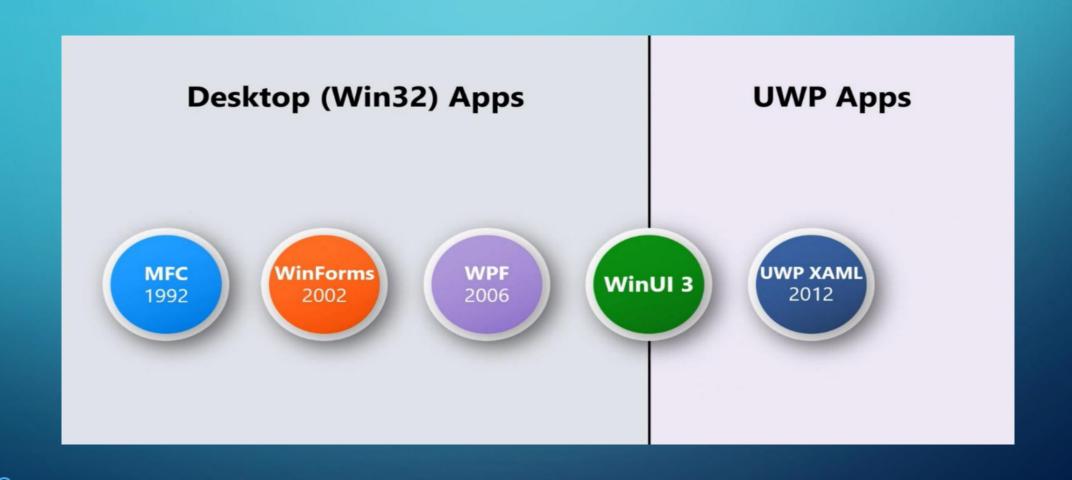
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DAY 1

Introduction



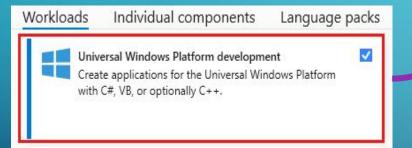
Introduction

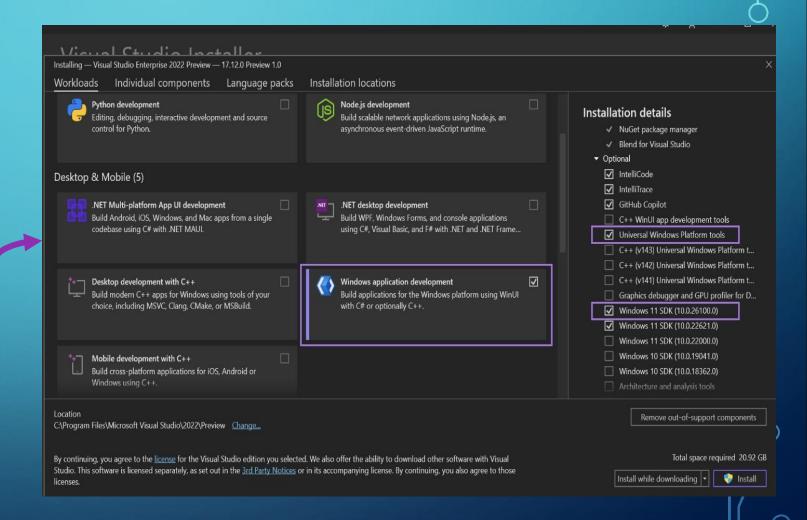


Agenda

- Day 1
 - Overview of UWP.
 - Setup the development environment.
 - Introduction to XAML Syntax.
 - Layouts (StackPanel Grid Canvas).
 - Controls (Content Control).
- Day 2
 - Controls (Item Controls).
 - Resources.
 - Brushes.
 - Data Binding.
- Day 3
 - Continue Data Binding.
 - Adaptive Design and Responsive Layouts.
 - Working With Adaptive Triggers.
 - Testing and Optimizing applications for various screen sizes.

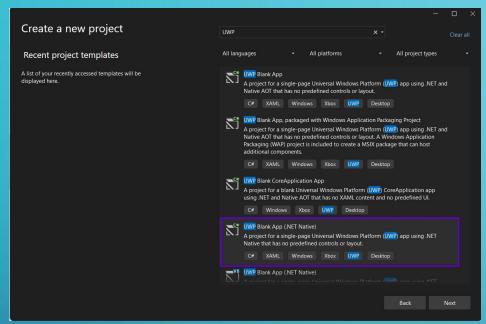
Install UWP



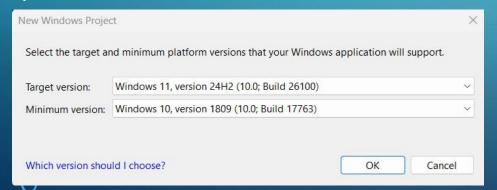


Create New Project

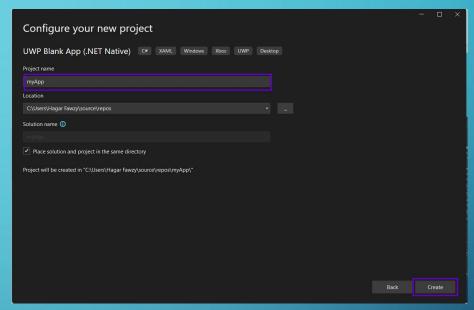
Step 1



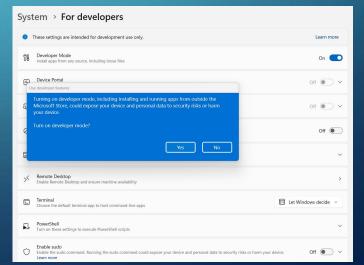
Step 3



Step 2



Step 4



XAML

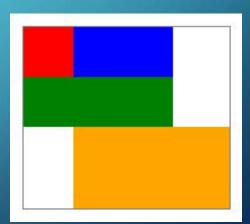
- It's extensible Application Markup Language.
- It's the markup standard you use to define UWP user interfaces.
- XAML allows you to build a Page without writing code.

Layouts

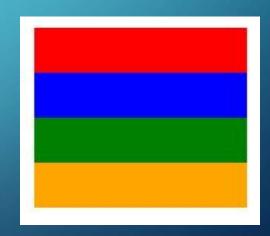
- 1. RelativePanel.
- 2. StackPanel.
- 3. Grid.
- 4. VariableSizedWrapGrid.
- 5. Canvas.

RelativePanel

```
<RelativePanel BorderBrush="Gray" BorderThickness="1">
    <Rectangle x:Name="RedRect" Fill="Red" Height="44" Width="44"/>
    <Rectangle x:Name="BlueRect" Fill="Blue"</pre>
               Height="44" Width="88"
               RelativePanel.RightOf="RedRect" />
    <Rectangle x:Name="GreenRect" Fill="Green"</pre>
               Height="44"
               RelativePanel.Below="RedRect"
               RelativePanel.AlignLeftWith="RedRect"
               RelativePanel.AlignRightWith="BlueRect"/>
    <Rectangle Fill="Orange"</pre>
               RelativePanel.Below="GreenRect"
               RelativePanel.AlignLeftWith="BlueRect"
               RelativePanel.AlignRightWithPanel="True"
               RelativePanel.AlignBottomWithPanel="True"/>
</RelativePanel>
```

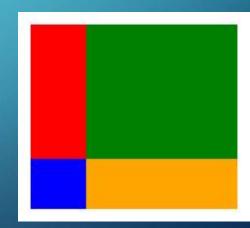


StackPanel

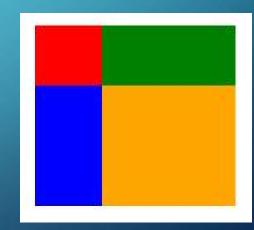


Grid

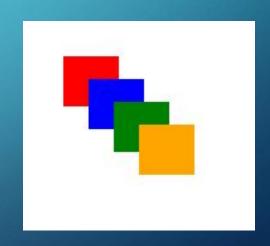
```
<Grid>
    <Grid.RowDefinitions>
        <RowDefinition/>
        <RowDefinition Height="44"/>
    </Grid.RowDefinitions>
    <Grid.ColumnDefinitions>
        <ColumnDefinition Width="Auto"/>
        <ColumnDefinition/>
    </Grid.ColumnDefinitions>
    <Rectangle Fill="Red" Width="44"/>
    <Rectangle Fill="Blue" Grid.Row="1"/>
    <Rectangle Fill="Green" Grid.Column="1"/>
    <Rectangle Fill="Orange" Grid.Row="1" Grid.Column="1"/>
</Grid>
```



VariableSizedWrapGrid



Canvas



Controls (Content Control - Item Control).

- Button
- Calendar Date Picker
- CheckBox
- ComboBox
- Dialogs and flyouts
- Flip view

- Forms
- Slider
- Toggle button
- Time picker
- PasswordBox
- TextBox

- Hyperlink
- Auto-Suggest box
- Content dialog
- Contact card
- Content dialog
- RichTextBox
-