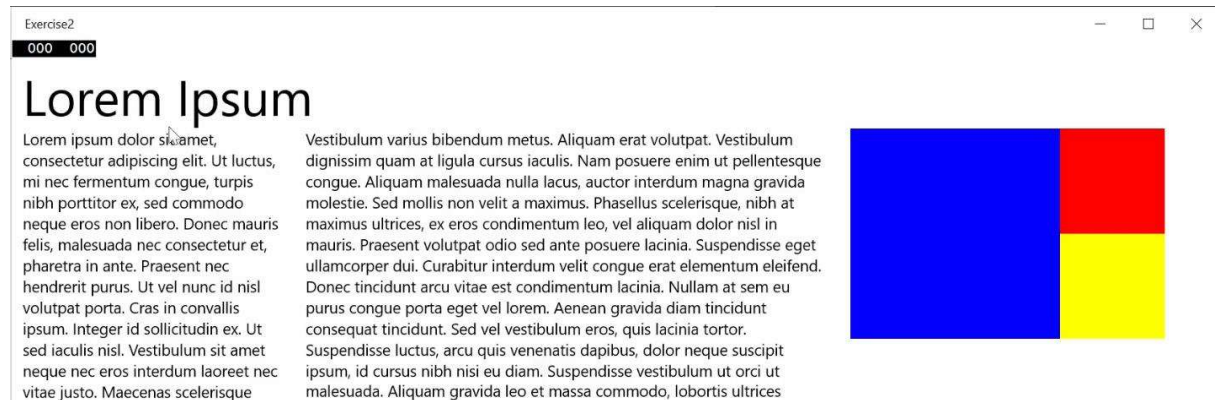


## UWP-013 - Legendary Layout Challenge

The second challenge is called the "Legendary Layout Challenge". In this layout challenge, you can only use StackPanel. Here's what you're going to build:



There's a large title here at the top with three columns below. The first column is about half the size of this second column. Both of these columns contain "Lorem Ipsum" text, which is just dummy text, fake Latin text, has no meaning. (If it does, I don't know what it means.)

In the third column, there are a series of squares that almost resemble a flag. Keep in mind that you can only use StackPanels.

The instruction file is available in the zipped folder of resources for this lesson named UWP-013-Instructions.txt.

The first requirement is that only StackPanel controls can be used – no Grid controls.

The designer I set to 13.3 Desktop (1280 x 720) 100% Scale. That might help you as you're building this. You're going to need a little bit more horizontal space to work with.

The TextBlock at the very top is 48 pixels. The TextBlock in the first column will be 250 pixels wide. The TextBlock in the second column will be 500 pixels wide. The third column is 300 pixels wide. The third area looks like it's split 200 pixels for the large blue box and then 100 pixels for the red and the yellow boxes.

Side note: yes, I know that I said don't use absolute pixel values, rather use relatives whenever you're working with Universal Windows Platform apps. However, this is just an exercise just to flex your layout muscles, so don't use this in the real world.

You should get the text for these Lorem Ipsum columns from this file that I'm supplying called loremipsum.txt. Just copy and paste what you need in there. The first TextBlock only needs two paragraphs. The second TextBlock requires several paragraphs from that file.

Margins are either 10 or 20 pixels.

Important: Use the TextBlock's TextWrapping property to allow the Lorem Ipsum text to wrap properly. If you don't set the TextWrapping property equal to Wrap then you're only going to see the first line of the Lorem Ipsum in each of your TextBlocks.

You can use the image named UWP-013-Screenshot.png to reference while you're building the application.

And just like I said before, try to go through this challenge without my help, without peeking at the solution lesson. Struggle a little bit. Don't get frustrated. If you get to the point where you don't know what you need to do next then review just enough of the solution lesson to get unstuck and then finally, if you do solve it without my help or once you solve this on your own and you're curious as to how I would solve it, if I took different techniques or whatever, then absolutely read the entire solution lesson, maybe there are something different about how I did it from how you did it.

## UWP-014 - Legendary Layout Challenge: Solution

Step 1: Create a new “Blank App (Universal Windows) project called “LegendaryLayout”.

Step 2: Create the overall layout using StackPanels. Set the Width and TextWrapping properties of the inner TextBlocks, Set the FontSize of the outer TextBlock.

```
<StackPanel>
  <TextBlock Text="Lorem Ipsum" FontSize="48" />
  <StackPanel Orientation="Horizontal">
    <TextBlock Width="250" TextWrapping="Wrap">
      Lorem ipsum dolor sit amet, consectetur adipiscing elit.
      Vestibulum sit amet neque nec eros interdum laoreet nec \
    </TextBlock>
    <TextBlock Width="500" TextWrapping="Wrap">
      Vestibulum varius bibendum metus. Aliquam erat volutpat.
      Praesent volutpat odio sed ante posuere lacinia. Suspendi
      Nunc a vehicula velit. Vivamus rutrum elementum massa in
    </TextBlock>
  </StackPanel>
</StackPanel>
```

---

Step 3: Add the Lorem Ipsum to columns 1 and 2. Copy and paste the Lorem Ipsum from the provided file into the empty TextBlocks.

```
<StackPanel>
  <TextBlock Text="Lorem Ipsum" FontSize="48" />
  <StackPanel Orientation="Horizontal">
    <TextBlock Width="250" TextWrapping="Wrap">
      Lorem ipsum dolor sit amet, consectetur adipiscing elit.
      Vestibulum sit amet neque nec eros interdum laoreet nec \
    </TextBlock>
    <TextBlock Width="500" TextWrapping="Wrap">
      Vestibulum varius bibendum metus. Aliquam erat volutpat.
      Praesent volutpat odio sed ante posuere lacinia. Suspendi
      Nunc a vehicula velit. Vivamus rutrum elementum massa in
    </TextBlock>
  </StackPanel>
</StackPanel>
```

---

Step 4: Create the “flag” in column 3.

```

<StackPanel Orientation="Horizontal">
  <Rectangle Fill="Blue" Width="200" Height="200" VerticalAlignment="Top" />
  <StackPanel>
    <Rectangle Fill="Red" Width="100" Height="100" />
    <Rectangle Fill="Yellow" Width="100" Height="100" />
  </StackPanel>
</StackPanel>

```

#### Step 5: Add Margins

```

<StackPanel Margin="10,20,0,0">
  <TextBlock Text="Lorem Ipsum" FontSize="48" Margin="0,0,0,20" />
  <StackPanel Orientation="Horizontal">
    <TextBlock Width="250" TextWrapping="Wrap" Margin="0,0,20,0">
      Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut luctus, mi nec
      Vestibulum sit amet neque nec eros interdum laoreet nec vitae justo. Maecen
    </TextBlock>
    <TextBlock Width="500" TextWrapping="Wrap" Margin="0,0,20,0">
      Vestibulum varius bibendum metus. Aliquam erat volutpat. Vestibulum digniss
      Praesent volutpat odio sed ante posuere lacinia. Suspendisse eget ullamcorp
      Nunc a vehicula velit. Vivamus rutrum elementum massa in consectetur. Nunc
    </TextBlock>
  </StackPanel>
  <StackPanel Orientation="Horizontal">
    <Rectangle Fill="Blue" Width="200" Height="200" VerticalAlignment="Top" />
    <StackPanel>
      <Rectangle Fill="Red" Width="100" Height="100" />
      <Rectangle Fill="Yellow" Width="100" Height="100" />
    </StackPanel>
  </StackPanel>
</StackPanel>

```