

Data Grid

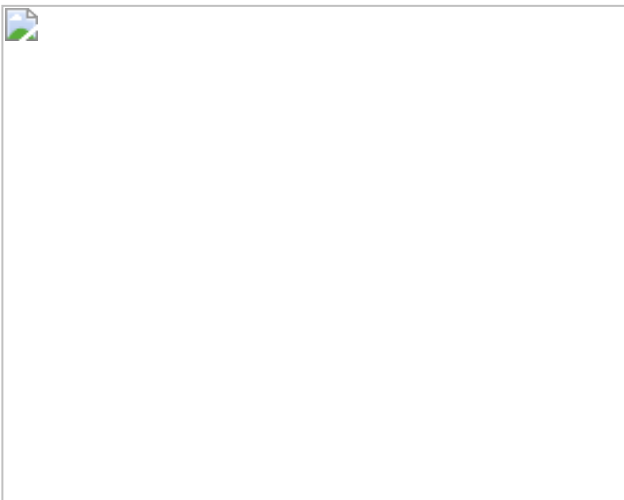
1.The first row of a grid

```
<Window x:Class="Drawing.ViewboxResize"
  xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
  xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
  Title="ViewboxResize" Height="247" Width="315"
  >
<Grid Margin="5">
  <Grid.RowDefinitions>
    <RowDefinition Height="Auto"></RowDefinition>
    <RowDefinition Height="*"></RowDefinition>
  </Grid.RowDefinitions>

  <TextBlock>The first row of a grid.</TextBlock>
  <Viewbox Grid.Row="1" HorizontalAlignment="Left" MaxHeight="500">

    <Canvas Width="200" Height="150">
      <Ellipse Fill="Yellow" Stroke="Blue" Canvas.Left="10" Canvas.Top="50"
        Width="100" Height="50" HorizontalAlignment="Left"></Ellipse>
      <Rectangle Fill="Yellow" Stroke="Blue" Canvas.Left="30" Canvas.Top="40"
        Width="100" Height="50" HorizontalAlignment="Left"></Rectangle>
    </Canvas>
  </Viewbox>
</Grid>

</Window>
```



2.Positioning elements using a Grid

```
<Page xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
  xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml">
  <Grid ShowGridLines="true " >
    <ColumnDefinition Width="Auto" />
    <RowDefinition Height="Auto" />
```

```

<RowDefinition Height="Auto" />
<RowDefinition Height="Auto" />
<RowDefinition Height="Auto" />
<RowDefinition Height="Auto" />
<RowDefinition Height="Auto" />
<Label Grid.Row ="0" Grid.Column ="0" Width="100">Username</Label>
<TextBox Grid.Row ="1" Grid.Column ="0" Width="150">username@example.com</TextBox>
<Label Grid.Row ="2" Grid.Column ="0" Width="100">Password</Label>
<PasswordBox Grid.Row ="3" Grid.Column ="0" Width="150"></PasswordBox>
<Button Grid.Row ="4" Grid.Column ="0" Width="100" Content="Submit"/>
</Grid>
</Page>

```

3.Layout within a button using Grid

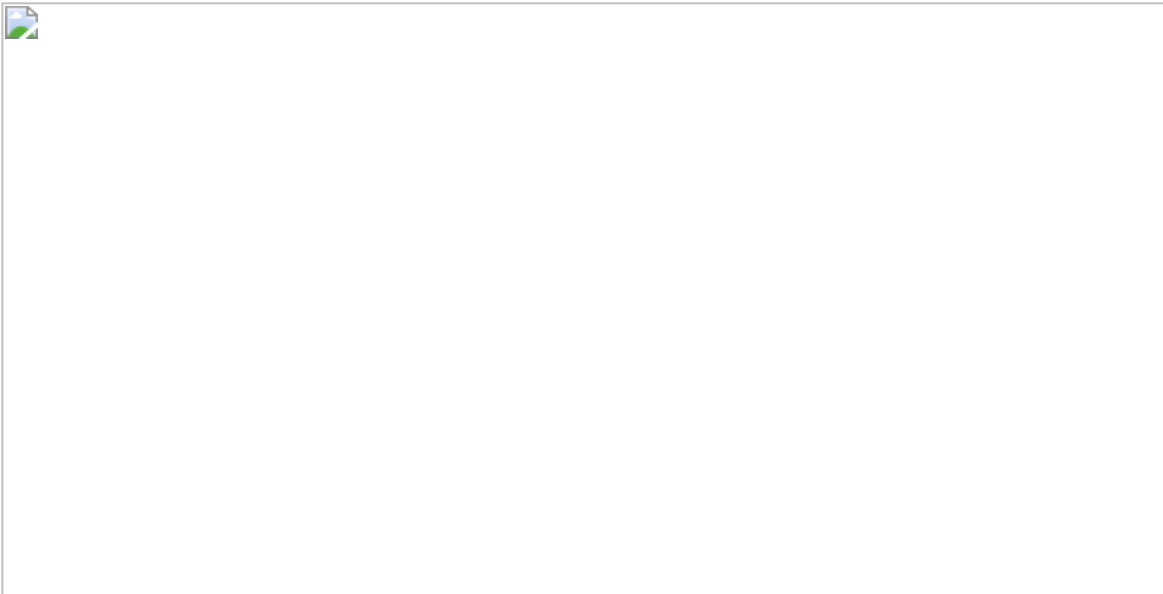
```

<Page xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
HorizontalAlignment="Center" VerticalAlignment="Center">
<Button HorizontalAlignment="Center" VerticalAlignment="Center">
<Grid>
<Grid.ColumnDefinitions>
<ColumnDefinition />
<ColumnDefinition />
<ColumnDefinition />
</Grid.ColumnDefinitions>
<Grid.RowDefinitions>
<RowDefinition />
<RowDefinition />
<RowDefinition />
</Grid.RowDefinitions>

<Ellipse Grid.Column="0" Grid.Row="0" Fill="Blue" Width="10" Height="10" />
<Ellipse Grid.Column="2" Grid.Row="0" Fill="Blue" Width="10" Height="10" />
<Ellipse Grid.Column="0" Grid.Row="2" Fill="Blue" Width="10" Height="10" />
<Ellipse Grid.Column="2" Grid.Row="2" Fill="Blue" Width="10" Height="10" />

<Ellipse Grid.ColumnSpan="3" Grid.RowSpan="3" Stroke="LightGreen" StrokeThickness="3" />
<TextBlock Grid.Column="1" Grid.Row="1" VerticalAlignment="Center" Text="Click!" />
</Grid>
</Button>
</Page>

```



4. Bind String Array Resource to ListBox

```
<Page x:Class="WinFXXAMLBrowserApplication1.Page1"
  xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
  xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
  Title="Page1">
  <Grid>
  <Label Width="230.63"
    Height="88.27"
    VerticalAlignment="Top"
    HorizontalAlignment="Stretch"
    Grid.Column="0"
    Grid.ColumnSpan="1"
    Grid.Row="0"
    Grid.RowSpan="1"
    Margin="10.37,19.72,59,0"
    Name="label1">Hello World</Label>
  </Grid>
</Page>
```



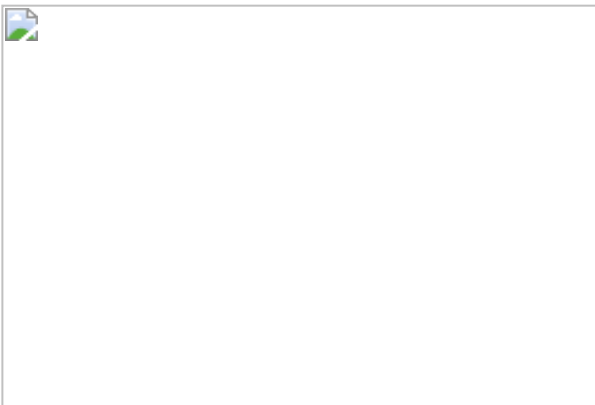
5. Display Content in Resizable Split Panel

```
<Window x:Class="Main"
  xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
  xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
  Title="WPF" Height="200" Width="300">
  <Grid>
```

```

<Grid.ColumnDefinitions>
  <ColumnDefinition Width="1*" />
  <ColumnDefinition Width="5" />
  <ColumnDefinition Width="3*" />
</Grid.ColumnDefinitions>
<TextBlock HorizontalAlignment="Center"
Text="Left Section" VerticalAlignment="Center">
  <TextBlock.LayoutTransform>
    <RotateTransform Angle="90" />
  </TextBlock.LayoutTransform>
</TextBlock>
<GridSplitter Grid.Column="1" HorizontalAlignment="Stretch" />
<Grid Grid.Column="3">
  <Grid.RowDefinitions>
    <RowDefinition />
    <RowDefinition Height="5"/>
    <RowDefinition />
  </Grid.RowDefinitions>
  <TextBlock Grid.Row="0" HorizontalAlignment="Center"
Text="Top Section" VerticalAlignment="Center" />
  <GridSplitter Grid.Row="1" HorizontalAlignment="Stretch" />
  <TextBlock Grid.Row="2" HorizontalAlignment="Center"
Text="Bottom Section" VerticalAlignment="Center" />
</Grid>
</Grid>
</Window>

```



6. Place more than two object to one cell

```

<Window x:Class="WpfApplication1.Window1"
  xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
  xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
  Title="Fun with Panels!" Height="186" Width="501">

  <Grid ShowGridLines ="True" Background ="AliceBlue">

    <Grid.ColumnDefinitions>
      <ColumnDefinition/>
      <ColumnDefinition/>
    </Grid.ColumnDefinitions>
    <Grid.RowDefinitions>

```

```

<RowDefinition/>
<RowDefinition/>
</Grid.RowDefinitions>

```

```

<Label Name="lblInstruction" Grid.Column ="0" Grid.Row ="0" FontSize="15">Enter</Label>
<Button Name="btnOK" Height ="30" Grid.Column ="0" Grid.Row ="0" >OK</Button>
<Label Name="lblMake" Grid.Column ="1" Grid.Row ="0">Make</Label>
<TextBox Name="txtMake" Grid.Column ="1" Grid.Row ="0" Width="193" Height="25"/>
<Label Name="lblColor" Grid.Column ="0" Grid.Row ="1" >Color</Label>
<TextBox Name="txtColor" Width="193" Height="25" Grid.Column ="0" Grid.Row ="1" />

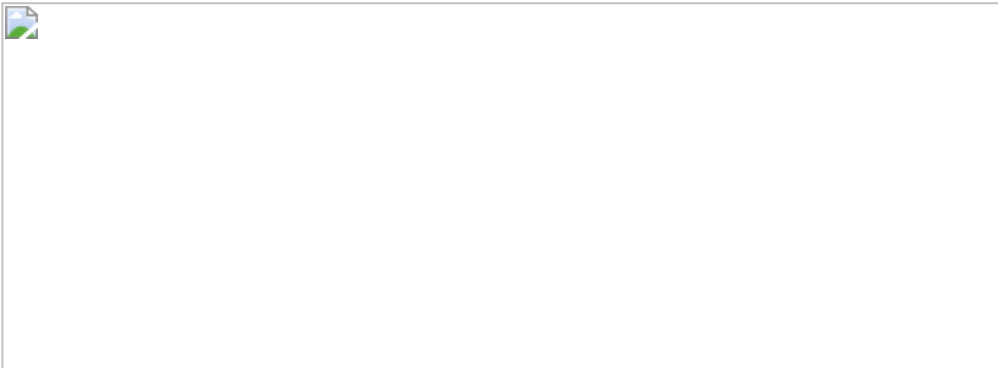
<Rectangle Fill ="LightGreen" Grid.Column ="1" Grid.Row ="1" />
<Label Name="lblPetName" Grid.Column ="1" Grid.Row ="1" >Name</Label>
<TextBox Name="txtPetName" Grid.Column ="1" Grid.Row ="1" Width="193" Height="25"/>

```

```

</Grid>
</Window>

```

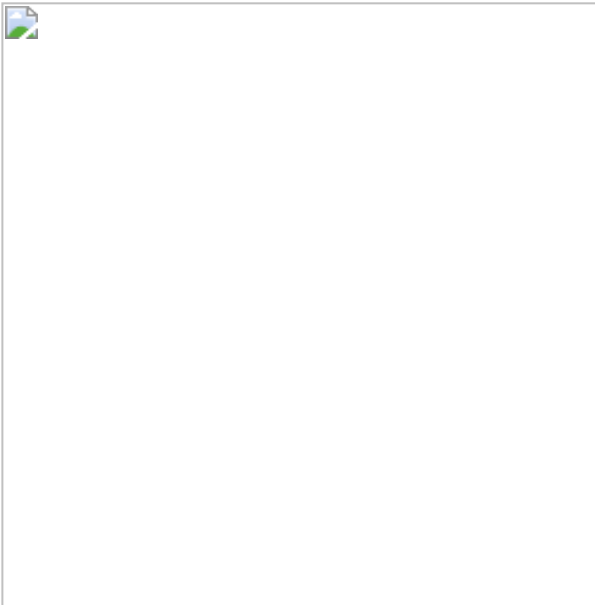


7.Add StackPanel to Row 0

```

<Window x:Class="WpfApplication1.Window1"
  xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
  xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
  Title="StackPanel" Height="300" Width="300">
  <Grid Background="AliceBlue">
    <Grid.RowDefinitions>
      <RowDefinition />
      <RowDefinition />
    </Grid.RowDefinitions>
    <StackPanel Grid.Row="0">
      <Button>Button1</Button>
      <Button>Button2</Button>
      <Button>Button3</Button>
    </StackPanel>
    <StackPanel Grid.Row="1" Orientation="Horizontal">
      <Button>Button1</Button>
      <Button>Button2</Button>
      <Button>Button3</Button>
    </StackPanel>
  </Grid>
</Window>

```



8. Using the attached properties of Grid

```
<Window x:Class="WpfApplication1.Window1"
  xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
  xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
  Title="" Height="300" Width="300">

  <Grid ShowGridLines="true">
    <ColumnDefinition Width="50"/>
    <ColumnDefinition Width="50"/>
    <RowDefinition Height="100" />
    <RowDefinition Height="25" />
    <RowDefinition Height="25" />
    <TextBlock Grid.Column="0" Grid.Row="0">Col 0, Row 0 </TextBlock>
    <TextBlock Grid.Column="1" Grid.Row="0">Col 1, Row 0 </TextBlock>
    <TextBlock Grid.Column="0" Grid.Row="1">Col 0, Row 1 </TextBlock>
    <TextBlock Grid.Column="1" Grid.Row="1">Col 1, Row 1 </TextBlock>
  </Grid>
</Window>
```

9. Two columns and three rows columns

```
<Page xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
  xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
  HorizontalAlignment="Center" VerticalAlignment="Center">
  <Grid Background="Beige" ShowGridLines="True">
    <Grid.ColumnDefinitions>
      <ColumnDefinition />
      <ColumnDefinition />
    </Grid.ColumnDefinitions>
    <Grid.RowDefinitions>
      <RowDefinition />
      <RowDefinition />
      <RowDefinition />
    </Grid.RowDefinitions>
  </Grid>
</Page>
```

```

</Grid.RowDefinitions>
<TextBlock Grid.Column="0" Grid.Row="0">A:</TextBlock>
<TextBlock Grid.Column="1" Grid.Row="0">a</TextBlock>
<TextBlock Grid.Column="0" Grid.Row="1">B:</TextBlock>
<TextBlock Grid.Column="1" Grid.Row="1">b</TextBlock>
<TextBlock Grid.Column="0" Grid.Row="2">C:</TextBlock>
<TextBlock Grid.Column="1" Grid.Row="2">c</TextBlock>
</Grid>
</Page>

```



10. Change the Appearance of a List Item When It's Selected

```

<Page xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
      xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
      HorizontalAlignment="Center" VerticalAlignment="Center">
<Grid Background="Beige" ShowGridLines="True">
  <Grid.ColumnDefinitions>
    <ColumnDefinition Width="50" />
    <ColumnDefinition />
  </Grid.ColumnDefinitions>
  <Grid.RowDefinitions>
    <RowDefinition />
    <RowDefinition />
    <RowDefinition />
  </Grid.RowDefinitions>
  <TextBlock Grid.Column="0" Grid.Row="0">A:</TextBlock>
  <TextBlock Grid.Column="1" Grid.Row="0">a</TextBlock>
  <TextBlock Grid.Column="0" Grid.Row="1">B:</TextBlock>
  <TextBlock Grid.Column="1" Grid.Row="1">b</TextBlock>
  <TextBlock Grid.Column="0" Grid.Row="2">C:</TextBlock>
  <TextBlock Grid.Column="1" Grid.Row="2">c</TextBlock>

```

</Grid>
</Page>

