DockPanel과 StackPanel

프로그램을 디자인할 때 중요한 작업들 중 하나는 엘리먼트을 어디에 배치 할 것인지가 중요하다.

그러한 작업에 사용하는 것이 DockPanel과 StackPanel이다.

DockPanel

* 엘리먼트를 패널의 특정 경계면에 도킹시킬 수 있는 능력이다.

StackPanel

* 자신을 포함한 다른 엘리먼트의 컨테이너로 사용할 수 있다. 기본적으로 수직으로 엘리먼트를 나열한다. StackPanel 사용시 Orientation="horizontal"를 추가한다면 수평으로 나열할 수 있다.

Grid

* StackPanel의 기능을 강화한 컨트롤이다. 수평/수직 양 방향으로 화면 배치를 가능하게 하는 것이다.

|  |
| --- |
| <Window  xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"  Title="Employee Directory" Height="480" Width="640">  <Grid>  <DockPanel LastChildFill="False">  <Border  DockPanel.Dock="Top"  BorderBrush="Black"  BorderThickness="1"  Height="70">  <Label  FontFamily="Verdana"  FontSize="32"  HorizontalAlignment="Center"  >Top</Label>  </Border>  <Border  DockPanel.Dock="Left"  BorderBrush="Black"  BorderThickness="1"  Width="400">  <StackPanel>  <Label  FontFamily="Verdana"  FontWeight="Bold" FontSize="18"  HorizontalAlignment="Center"  >Left</Label>  </StackPanel>  </Border>  <Border  DockPanel.Dock="Right"  BorderBrush="Black"  BorderThickness="1"  Width="240">  <StackPanel>  <Label  FontFamily="Verdana"  FontWeight="Bold" FontSize="18"  HorizontalAlignment="Center"  >Right</Label>  </StackPanel>  </Border>  </DockPanel>  </Grid>  </Window> |

3개의 Dock을 사용하여 3개의 Panel로 나누었고 각각 한 개의 Label 컨트롤 가지고 있다.

다음은 프로토콜을 사용하여 원격 서버에 있는 이미지를 참조하고 자신의 컴퓨터에서 이미지를 가져와 보여주는 예제이다.

|  |
| --- |
| <Window  xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"  Title="Employee Directory" Height="480" Width="640"  >  <Grid>  <DockPanel LastChildFill="False">  <Border  DockPanel.Dock="Top"  BorderBrush="Black"  BorderThickness="1"  Height="70">  <Label  FontFamily="Verdana"  FontSize="32"  HorizontalAlignment="Center">  ACME Software Employee Directory  </Label>  </Border>  <Border  DockPanel.Dock="Left"  BorderBrush="Black"  BorderThickness="1"  Width="400">  <StackPanel>  <Label  FontFamily="Verdana"  FontWeight="Bold" FontSize="18"  HorizontalAlignment="Left"  >Name: Alex Horovitz</Label>  <Separator  Height="5"  Margin="2,0,40,0"  Name="s1"  VerticalAlignment="Bottom"  />  <Label  FontFamily="Verdana"  FontSize="14"  HorizontalAlignment="Left"  >Department: Software Engineering</Label>  <Label  FontFamily="Verdana"  FontSize="14"  HorizontalAlignment="Left"  >Location: Acton, MA</Label>  <Label  FontFamily="Verdana"  FontSize="14"  HorizontalAlignment="Left"  >Email: alex@alexhorovitz.com</Label>  <Separator  Height="5"  Margin="2,0,40,0"  Name="s2"  VerticalAlignment="Bottom"  />  <DockPanel>  <Border  DockPanel.Dock="Left"  BorderThickness="0"  >  <Image  Width="80"  Source="E:\5. My File\UpdateData/Jellyfish.jpg"  />  </Border>  <Border DockPanel.Dock="Right" BorderThickness="0">  <Label  FontFamily="Verdana"  FontSize="14"  HorizontalAlignment="Left"  VerticalAlignment="Center"  >978 555 1111</Label>  </Border>  </DockPanel>  <DockPanel>  <Border  DockPanel.Dock="Left"  BorderThickness="0"  >  <Image Width="80" Source="E:\5. My File\UpdateData/Jellyfish.jpg"/>  </Border>  <Border DockPanel.Dock="Right" BorderThickness="0">  <Label FontFamily="Verdana" FontSize="14" HorizontalAlignment="Left" VerticalAlignment="Center">978 555 1212</Label>  </Border>  </DockPanel>  <DockPanel>  <Border DockPanel.Dock="Left" BorderThickness="0">  <Image Width="80" Source="E:\5. My File\UpdateData/UpdateDataChrysanthemum.jpg"/>  </Border>  <Border DockPanel.Dock="Right" BorderThickness="0">  <Label FontFamily="Verdana" FontSize="14" HorizontalAlignment="Left" VerticalAlignment="Center">978 555 1313</Label>  </Border>  </DockPanel>  </StackPanel>  </Border>  <Border  DockPanel.Dock="Right"  BorderBrush="Black"  BorderThickness="1"  Width="240">  <StackPanel>  <Image Name="EmployeePicture"  Margin="0,10,0,0"  Height="200"  HorizontalAlignment="Center"  VerticalAlignment="Top"  Width="200" Source="  http://www.oreilly.com/catalog/covers/059652921X\_cat.gif" />  </StackPanel>  </Border>  </DockPanel>  </Grid>  </Window> |