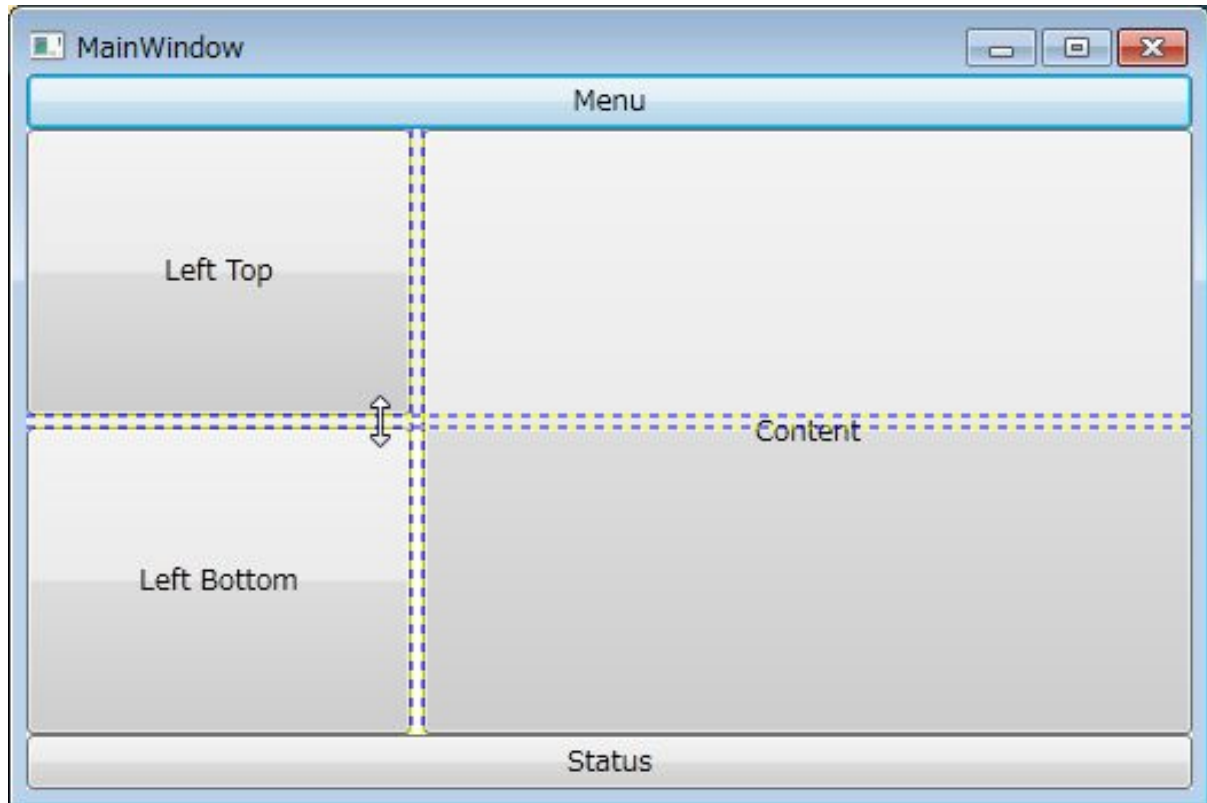


WPF レイアウト サンプル

[WPF][WPF レイアウト]

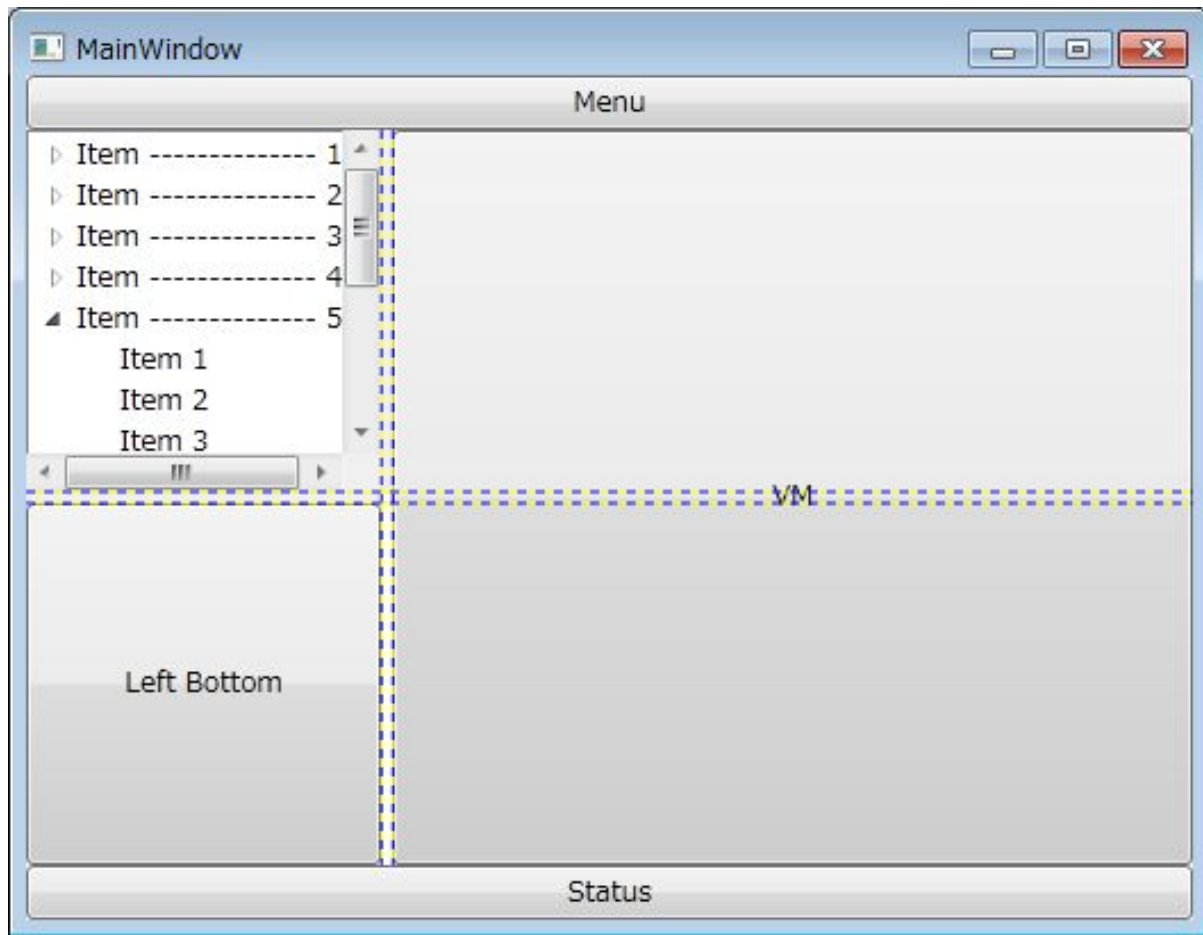
Explorer 風



- GridSplitter でサイズ変更可 (行、列)
- ShowGridLines="True" でグリッドレイアウトの分割を可視化

```
<DockPanel>
  <Button Content="Menu" DockPanel.Dock="Top"/>
  <Button Content="Status" DockPanel.Dock="Bottom"/>
  <Grid ShowGridLines="True">
    <Grid.ColumnDefinitions>
      <ColumnDefinition MinWidth="100" Width="1*" />
      <ColumnDefinition Width="Auto" />
      <ColumnDefinition MinWidth="100" Width="2*" />
    </Grid.ColumnDefinitions>
    <Grid.RowDefinitions>
      <RowDefinition MinHeight="100" Height="1*" />
      <RowDefinition Height="Auto" />
      <RowDefinition MinHeight="100" Height="1*" />
    </Grid.RowDefinitions>
    <Button Grid.Column="0" Grid.Row="0" Content="Left Top"/>
    <GridSplitter Grid.Column="0" Grid.Row="1" Height="5" VerticalAlignment="Center"
      HorizontalAlignment="Stretch" />
    <Button Grid.Column="0" Grid.Row="2" Content="Left Bottom"/>
    <GridSplitter Grid.Column="1" Width="5" Grid.RowSpan="3" VerticalAlignment="Stretch"
      HorizontalAlignment="Center" />
    <Button Grid.Column="2" Grid.Row="0" Grid.RowSpan="3" Content="Content"/>
  </Grid>
</DockPanel>
```

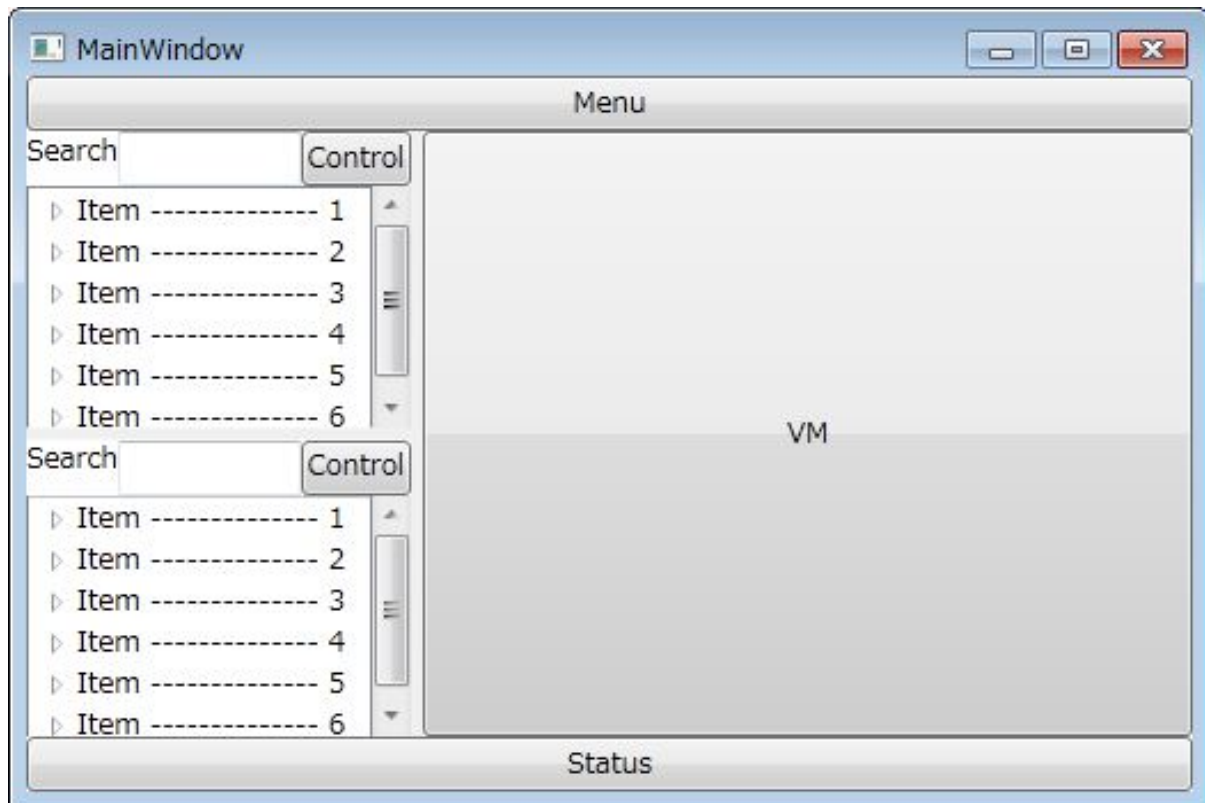
ツリービューを配置



- ・ TreeView を配置し、スプリットバー移動や、ツリーの展開で動的にスクロールバーが表示されるようにする

```
<DockPanel>
  <Button Content="Menu" DockPanel.Dock="Top"/>
  <Button Content="Status" DockPanel.Dock="Bottom"/>
  <Grid ShowGridLines="True">
    <Grid.ColumnDefinitions>
      <ColumnDefinition MinWidth="100" Width="1*"/>
      <ColumnDefinition Width="Auto"/>
      <ColumnDefinition MinWidth="100" Width="2*"/>
    </Grid.ColumnDefinitions>
    <Grid.RowDefinitions>
      <RowDefinition MinHeight="100" Height="1*"/>
      <RowDefinition Height="Auto"/>
      <RowDefinition MinHeight="100" Height="1*"/>
    </Grid.RowDefinitions>
    <TreeView Grid.Column="0" ItemsSource="{Binding TreeItems}">
      <TreeView.ItemTemplate>
        <HierarchicalDataTemplate DataType="{x:Type local:TreeEntity}" ItemsSource="{Binding
Children}">
          <TextBlock Text="{Binding Name}" />
        </HierarchicalDataTemplate>
      </TreeView.ItemTemplate>
    </TreeView>
    <GridSplitter Grid.Column="0" Grid.Row="1" Height="5" VerticalAlignment="Center"
HorizontalAlignment="Stretch" />
    <Button Grid.Column="0" Grid.Row="2" Content="Left Bottom"/>
    <GridSplitter Grid.Column="1" Width="5" Grid.RowSpan="3" VerticalAlignment="Stretch"
HorizontalAlignment="Center"/>
    <Button Grid.Column="2" Grid.Row="0" Grid.RowSpan="3" Content="{Binding Name}"/>
  </Grid>
</DockPanel>
```

ツリービューに対するコントロールボックスを追加



- ・ DocPanel により、ラベルとボタンをそれぞれ、左、右寄せ
- ・ コンテンツとしてテキストを可変サイズにする

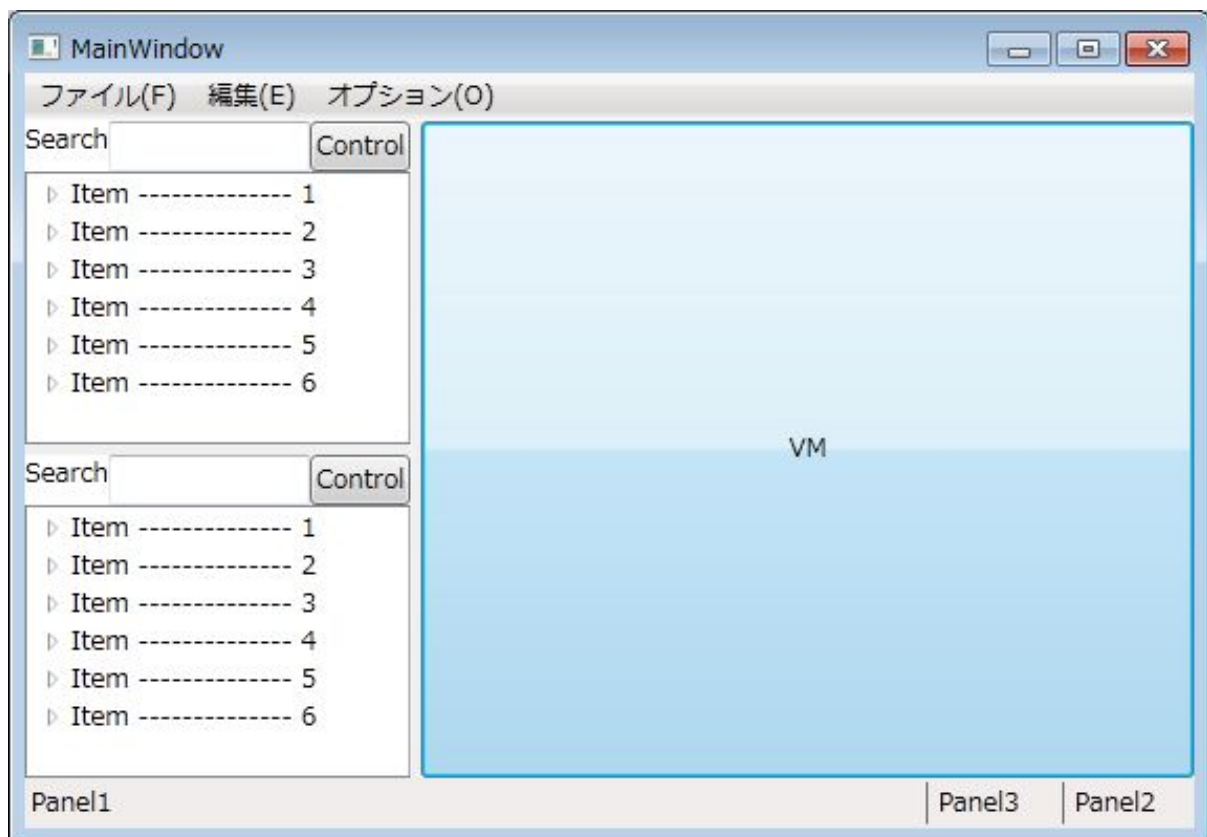
```
<DockPanel>
  <Button Content="Menu" DockPanel.Dock="Top"/>
  <Button Content="Status" DockPanel.Dock="Bottom"/>
  <Grid ShowGridLines="False">
    <Grid.ColumnDefinitions>
      <ColumnDefinition MinWidth="100" Width="1*"/>
      <ColumnDefinition Width="Auto"/>
      <ColumnDefinition MinWidth="100" Width="2*"/>
    </Grid.ColumnDefinitions>
    <Grid.RowDefinitions>
      <RowDefinition MinHeight="100" Height="1*"/>
      <RowDefinition Height="Auto"/>
      <RowDefinition MinHeight="100" Height="1*"/>
    </Grid.RowDefinitions>
    <Grid Grid.Column="0" Grid.Row="0" ShowGridLines="False">
      <Grid.RowDefinitions>
        <RowDefinition Height="Auto"/>
        <RowDefinition Height="*/>
      </Grid.RowDefinitions>
      <DockPanel Grid.Row="0">
        <TextBlock Text="Search" Width="Auto" DockPanel.Dock="Left"/>
        <Button Content="Control" Width="Auto" DockPanel.Dock="Right"/>
        <TextBox />
      </DockPanel>
      <TreeView Grid.Row="1" ItemsSource="{Binding TreeItems}">
        <TreeView.ItemTemplate>
          <HierarchicalDataTemplate DataType="{x:Type local:TreeEntity}"
            ItemsSource="{Binding Children}">
            <TextBlock Text="{Binding Name}" />
          </HierarchicalDataTemplate>
        </TreeView.ItemTemplate>
      </TreeView>
    </Grid>
    <GridSplitter Grid.Column="0" Grid.Row="1" Height="5" VerticalAlignment="Center"
      HorizontalAlignment="Stretch" />
    <Grid Grid.Column="0" Grid.Row="2" ShowGridLines="False">
      <Grid.RowDefinitions>
        <RowDefinition Height="Auto"/>
        <RowDefinition Height="*/>
      </Grid.RowDefinitions>
    </Grid>
  </Grid>
</DockPanel>
```

```

</Grid.RowDefinitions>
<DockPanel Grid.Row="0">
  <TextBlock Text="Search" Width="Auto" DockPanel.Dock="Left"/>
  <Button Content="Control" Width="Auto" DockPanel.Dock="Right"/>
  <TextBox />
</DockPanel>
<TreeView Grid.Row="1" ItemsSource="{Binding TreeItems}">
  <TreeView.ItemTemplate>
    <HierarchicalDataTemplate DataType="{x:Type local:TreeEntity}"
ItemsSource="{Binding Children}">
      <TextBlock Text="{Binding Name}" />
    </HierarchicalDataTemplate>
  </TreeView.ItemTemplate>
</TreeView>
</Grid>
<GridSplitter Grid.Column="1" Width="5" Grid.RowSpan="3" VerticalAlignment="Stretch"
HorizontalAlignment="Center"/>
<Button Grid.Column="2" Grid.Row="0" Grid.RowSpan="3" Content="{Binding Name}" />
</Grid>
</DockPanel>

```

メニューとステータスバー追加



```

<DockPanel>
  <Menu DockPanel.Dock="Top" Height="Auto">
    <MenuItem Header="ファイル(_F)" />
    <MenuItem Header="編集(_E)" />
    <MenuItem Header="オプション(_O)">
      <MenuItem IsCheckable="True" Header="オプション 1" />
      <MenuItem IsCheckable="True" Header="オプション 2" />
      <MenuItem IsCheckable="True" Header="オプション 3" />
    </MenuItem>
  </Menu>
  <StatusBar DockPanel.Dock="Bottom">
    <StatusBarItem Width="60" DockPanel.Dock="Right">Panel2</StatusBarItem>
    <Separator DockPanel.Dock="Right" />
    <StatusBarItem Width="60" DockPanel.Dock="Right">Panel3</StatusBarItem>
    <Separator DockPanel.Dock="Right" />
    <StatusBarItem>Panel1</StatusBarItem>
  </StatusBar>
  <Grid ShowGridLines="False">
    <Grid.ColumnDefinitions>

```

```

        <ColumnDefinition MinWidth="100" Width="1*" />
        <ColumnDefinition Width="Auto" />
        <ColumnDefinition MinWidth="100" Width="2*" />
    </Grid.ColumnDefinitions>
    <Grid.RowDefinitions>
        <RowDefinition MinHeight="100" Height="1*" />
        <RowDefinition Height="Auto" />
        <RowDefinition MinHeight="100" Height="1*" />
    </Grid.RowDefinitions>
    <Grid Grid.Column="0" Grid.Row="0" ShowGridLines="False">
        <Grid.RowDefinitions>
            <RowDefinition Height="Auto" />
            <RowDefinition Height="*" />
        </Grid.RowDefinitions>
        <DockPanel Grid.Row="0">
            <TextBlock Text="Search" Width="Auto" DockPanel.Dock="Left" />
            <Button Content="Control" Width="Auto" DockPanel.Dock="Right" />
            <TextBox />
        </DockPanel>
        <TreeView Grid.Row="1" ItemsSource="{Binding TreeItems}">
            <TreeView.ItemTemplate>
                <HierarchicalDataTemplate DataType="{x:Type local:TreeEntity}"
ItemsSource="{Binding Children}">
                    <TextBlock Text="{Binding Name}" />
                </HierarchicalDataTemplate>
            </TreeView.ItemTemplate>
        </TreeView>
    </Grid>
    <GridSplitter Grid.Column="0" Grid.Row="1" Height="5" VerticalAlignment="Center"
HorizontalAlignment="Stretch" />
    <Grid Grid.Column="0" Grid.Row="2" ShowGridLines="False">
        <Grid.RowDefinitions>
            <RowDefinition Height="Auto" />
            <RowDefinition Height="*" />
        </Grid.RowDefinitions>
        <DockPanel Grid.Row="0">
            <TextBlock Text="Search" Width="Auto" DockPanel.Dock="Left" />
            <Button Content="Control" Width="Auto" DockPanel.Dock="Right" />
            <TextBox />
        </DockPanel>
        <TreeView Grid.Row="1" ItemsSource="{Binding TreeItems}">
            <TreeView.ItemTemplate>
                <HierarchicalDataTemplate DataType="{x:Type local:TreeEntity}"
ItemsSource="{Binding Children}">
                    <TextBlock Text="{Binding Name}" />
                </HierarchicalDataTemplate>
            </TreeView.ItemTemplate>
        </TreeView>
    </Grid>
    <GridSplitter Grid.Column="1" Width="5" Grid.RowSpan="3" VerticalAlignment="Stretch"
HorizontalAlignment="Center" />
    <Button Grid.Column="2" Grid.Row="0" Grid.RowSpan="3" Content="{Binding Name}" />
</Grid>
</DockPanel>

```