DataGrid

Features added in WPF 4

Automatic Column Generation

```csharp
public class Person
{
    public string Name { get; set; }
    public double Age { get; set; }
}
```

Name	Age	
Ian	34.4	
Fritz	21.6	
Rich	94.2	

Customizing Generated Columns

```csharp
public class Person
{
    public string FirstName { get; set; }
    public string LastName { get; set; }
}
```

First Name	Last Name	
Ian	Griffiths	
Jane	Doe	
Arthur	Dent	

Manual Columns

```xml
<DataGrid AutoGenerateColumns="False" ...>
  <DataGrid.Columns>
    <DataGridTextColumn Header="First Name" Binding="{Binding Path=FirstName}" />
    <DataGridTextColumn Header="Last Name"  Binding="{Binding Path=LastName}" />
    <DataGridHyperlinkColumn Header="Web site" Binding="{Binding Path=Website}" />
    <DataGridCheckBoxColumn Header="Hungry" Binding="{Binding Path=IsHungry}" />
    <DataGridComboBoxColumn Header="Personality"
                            SelectedItemBinding="{Binding Path=PersonalityType}">
      <DataGridComboBoxColumn.ItemsSource>
        <x:Array Type="loc:PersonalityType">
          <x:Static Member="loc:PersonalityType.GlassHalfFull" />
          <x:Static Member="loc:PersonalityType.GlassHalfEmpty" />
          <x:Static Member="loc:PersonalityType.ItsYourRoundMate" />
        </x:Array>
      </DataGridComboBoxColumn.ItemsSource>
    </DataGridComboBoxColumn>
  </DataGrid.Columns>
</DataGrid>
```

Template Columns

```xml
<DataGridTemplateColumn Header="Title">

    <DataGridTemplateColumn.CellTemplate>
        <DataTemplate>

            ...
        </DataTemplate>
    </DataGridTemplateColumn.CellTemplate>


    <DataGridTemplateColumn.CellEditingTemplate>
        <DataTemplate>

            ...
        </DataTemplate>
    </DataGridTemplateColumn.CellEditingTemplate>


</DataGridTemplateColumn>
```

Column Reordering and Freezing

```xml
<DataGrid CanUserReorderColumns="False" ...>
...
```

```xml
<DataGrid FrozenColumnCount="2" ...>
...
```

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