

Window Presentation Foundation

- Dipl.-Inf., Dipl.-Ing. (FH) Michael Wilhelm
- Hochschule Harz
- FB Automatisierung und Informatik
- mwilhelm@hs-harz.de
- <http://www.miwilhelm.de>
- Raum 2.202
- Tel. 03943 / 659 338

• Inhalt

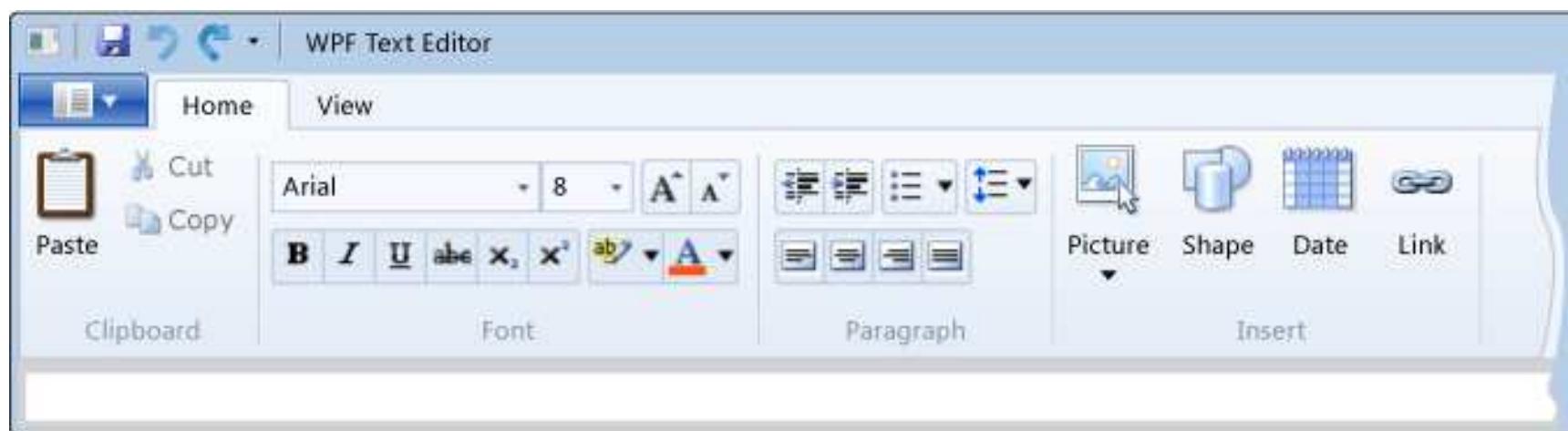
- Einführung WPF
- Layouts
- C# Sprache
- Dialog-Elemente, Menüs
- **Ribbon Controls**
- Datenbanken
- Threads
- Eigene Komponenten
- Office
- 2D- / 3D-Grafik, Audio, Video, Animation

Ribbon Control

■ Menü Alternative

- QuickAccessToolBar
- ApplicationMenu
- Registerdarstellung (RibbonTab)
 - RibbonGroup
 - RibbonButton
 - RibbonMenuItem
 - RibbonTwoLineText

RibbonControlGroup



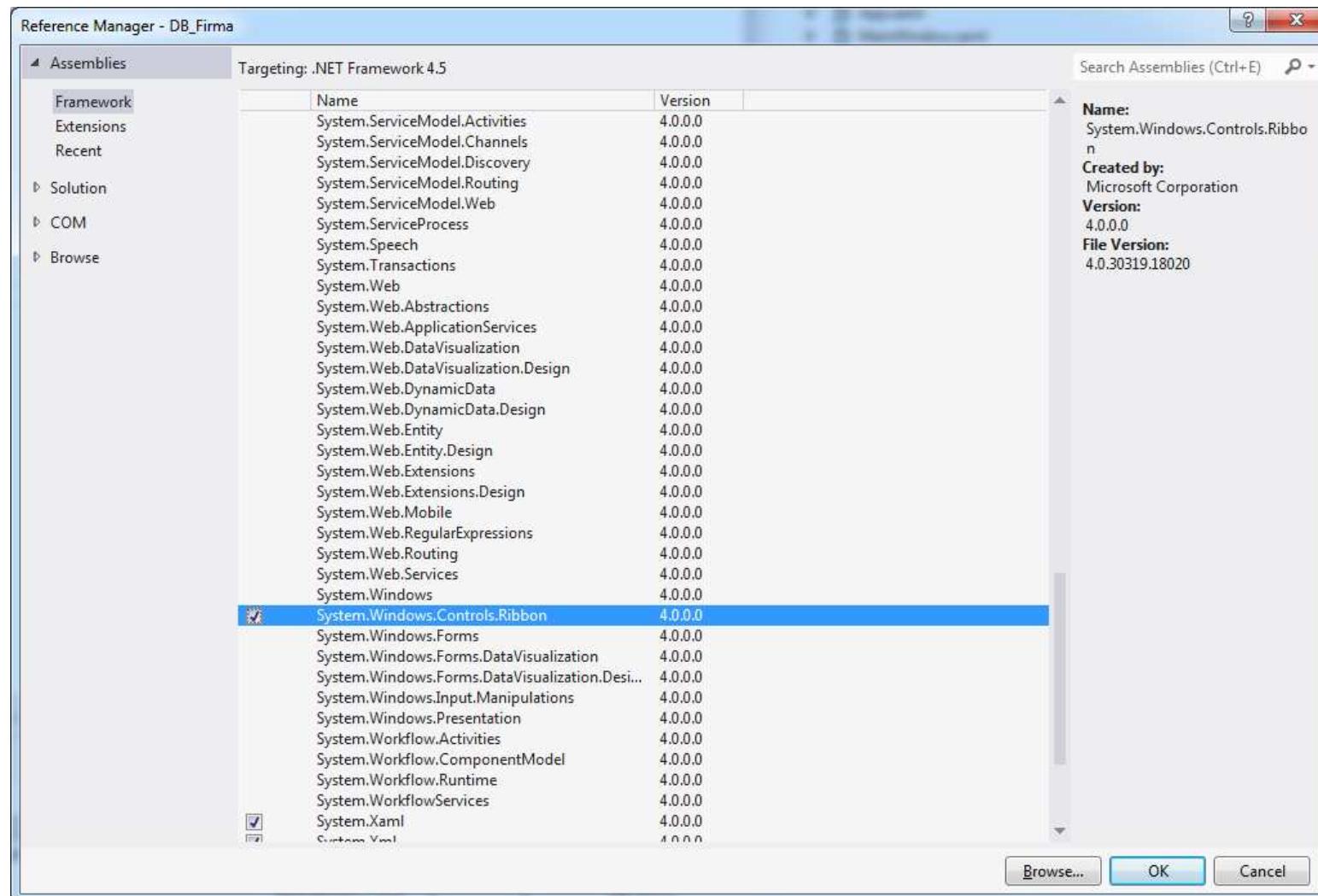
Ribbon Control erstellen

- <RibbonWindow x:Class="DB_Firma.MainWindow"
 - xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
 - xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
 - xmlns:ribbon="clr-namespace:System.Windows.Controls.Ribbon;assembly=System.Windows.Controls.Ribbon"
 - Title="MainWindow" Height="350" Width="525">
 - <Grid>
 - </Grid>
- </RibbonWindow>

- Rot: ändern / einfügen

Reference einfügen

1. reference Framework: System.windows.Controls.Ribbon
2. using System.Windows.Controls.Ribbon;

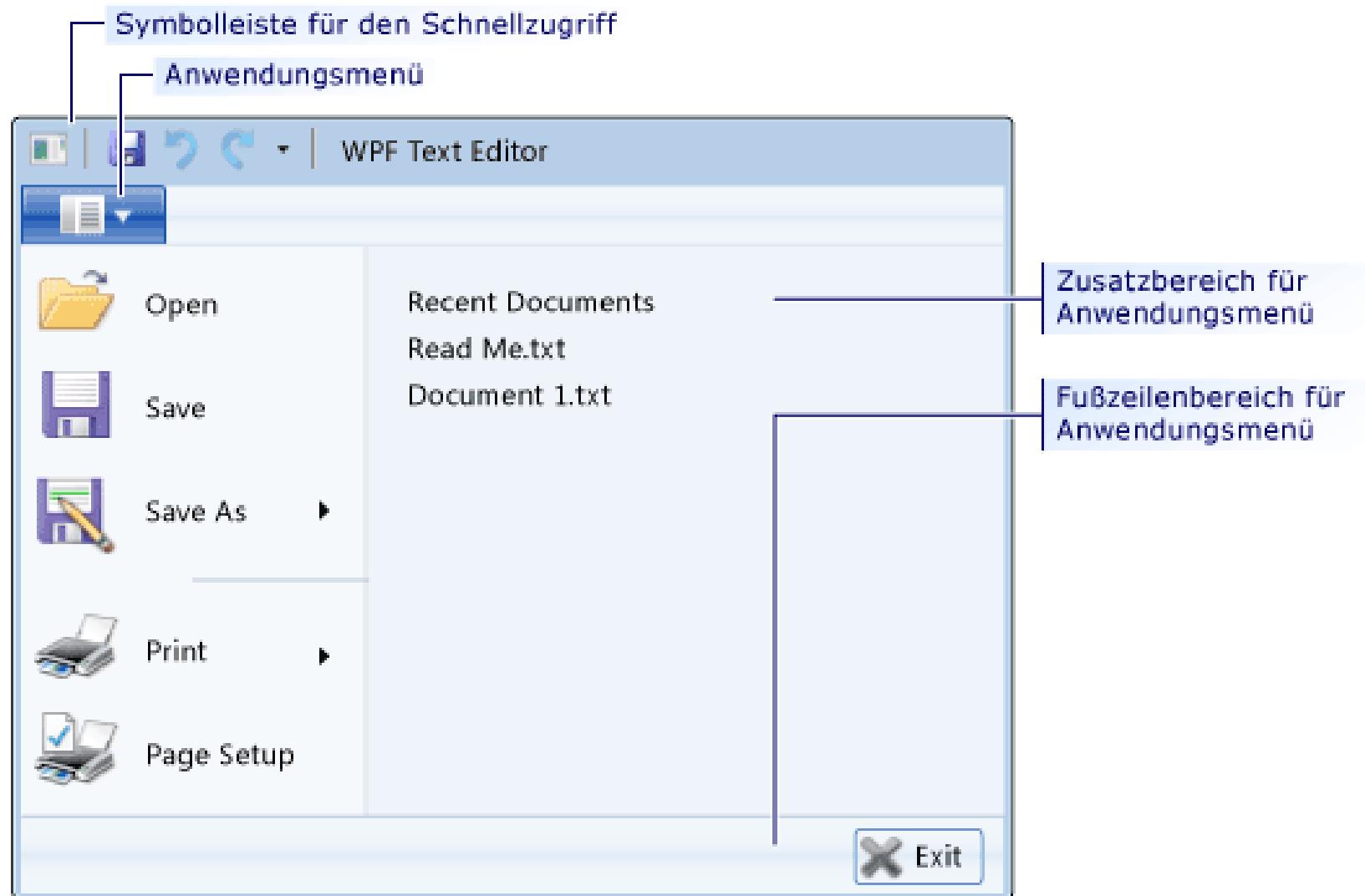


Ribbon Control Reference in cs einfügen

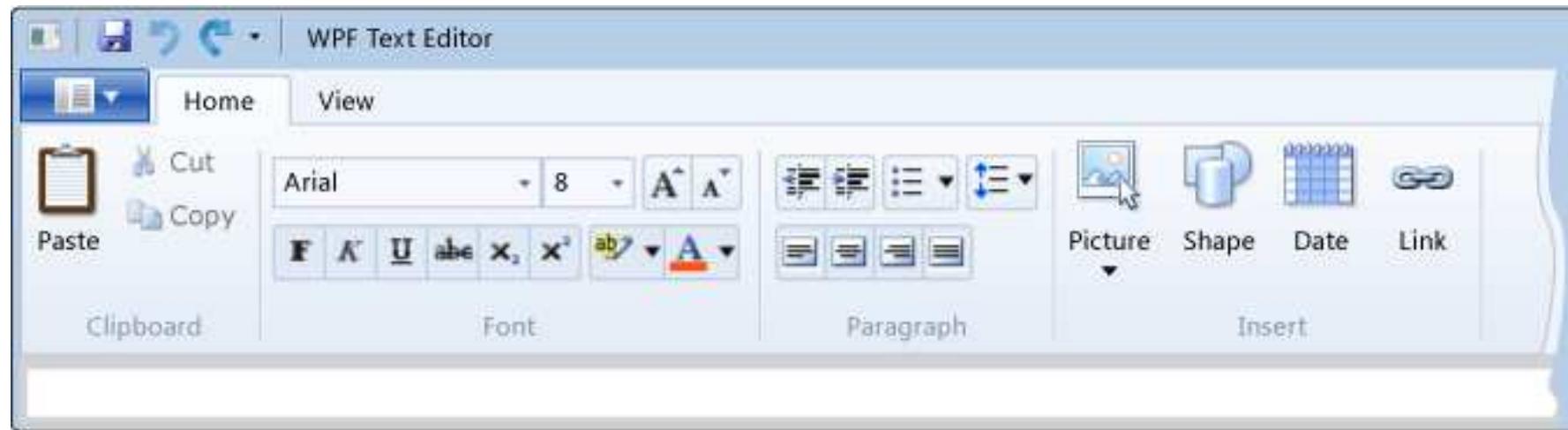
using System.Windows.Controls.Ribbon;

```
namespace DB_Firma {  
    /// <summary>  
    /// Interaction logic for MainWindow.xaml  
    /// </summary>  
    public partial class MainWindow : RibbonWindow {  
        public MainWindow() {  
            InitializeComponent();  
        }  
    }  
}
```

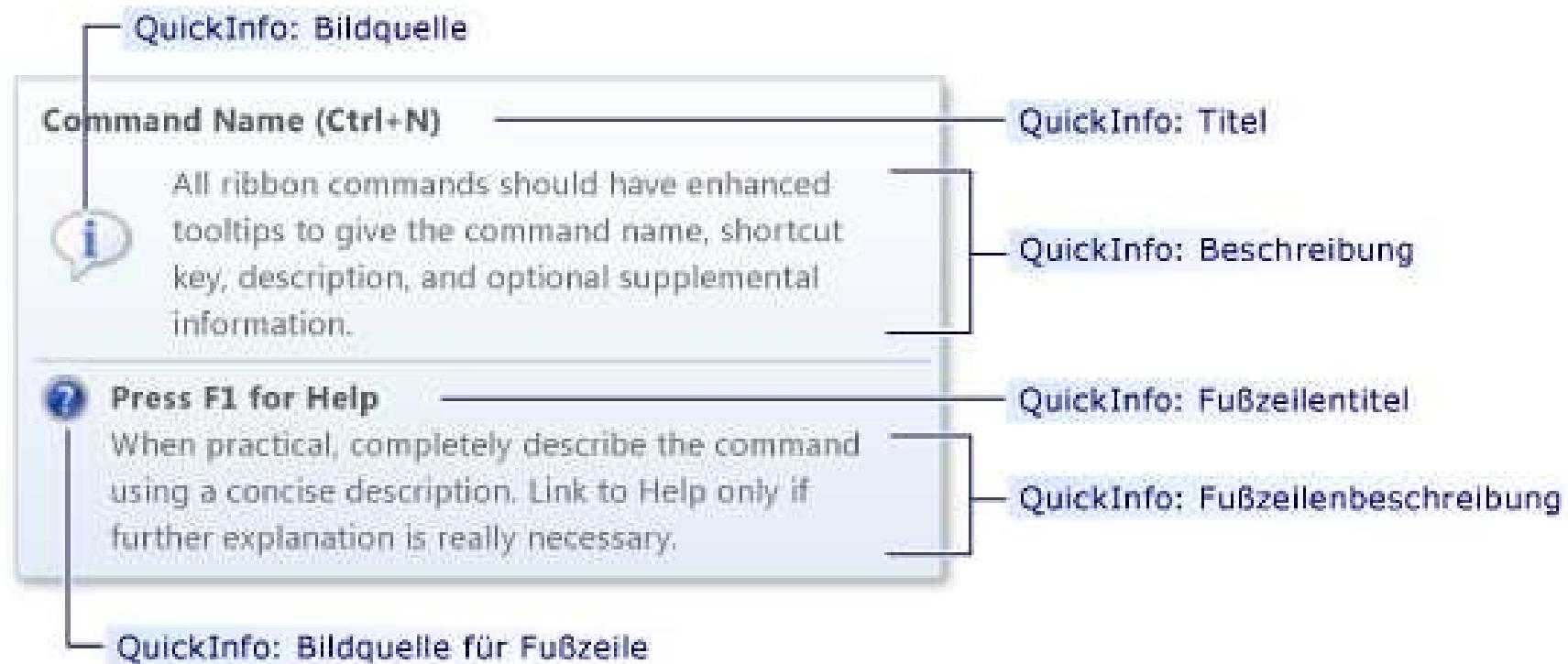
Ribbon Control Elemente: Anwendungsmenü



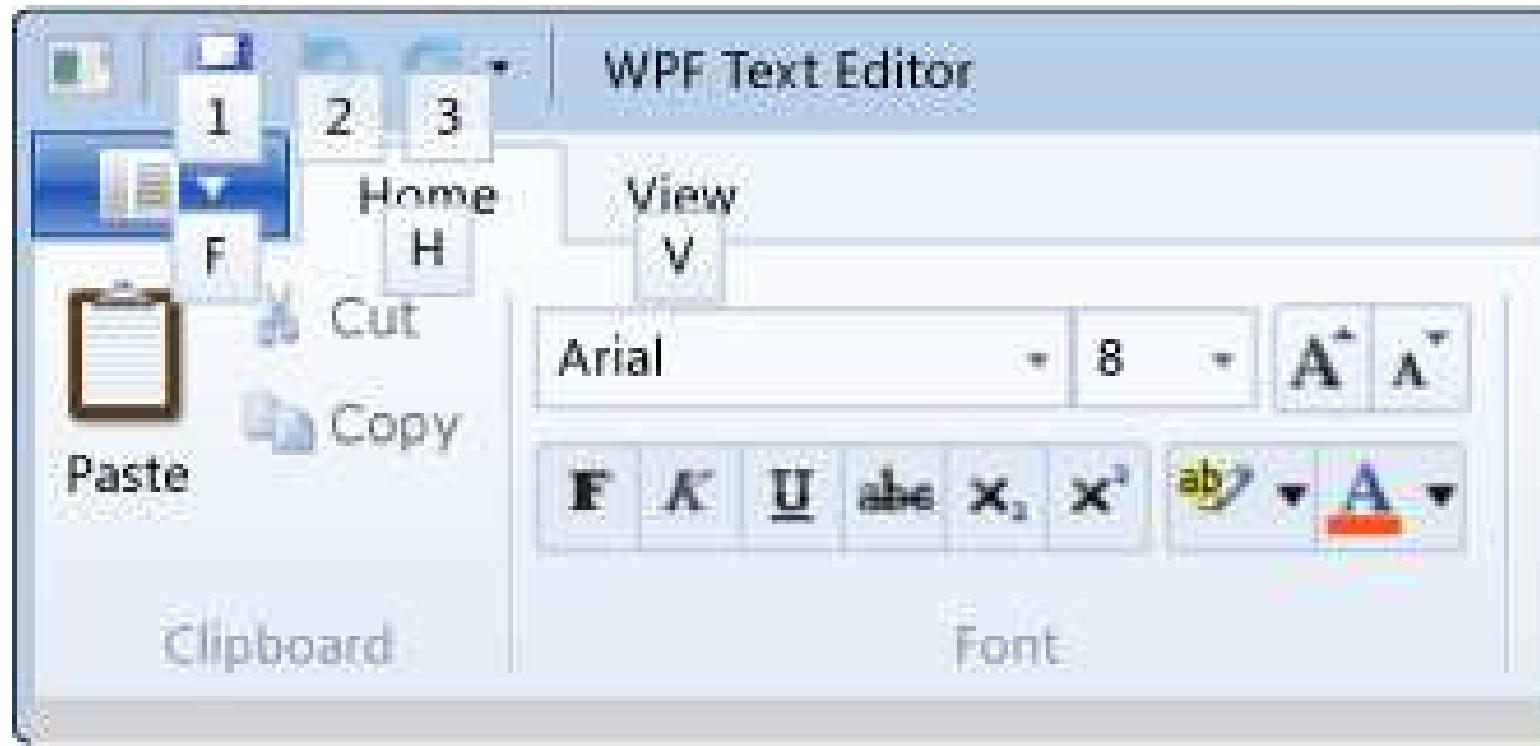
Ribbon Control Elemente: Register



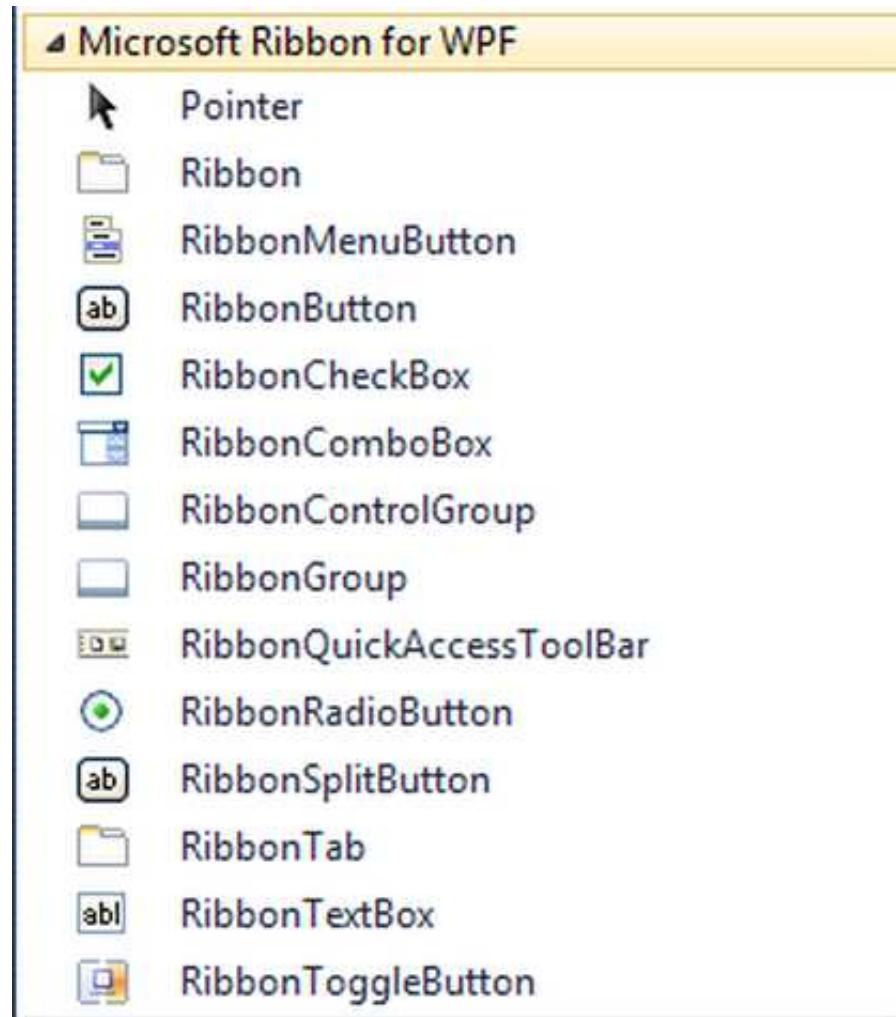
Ribbon Control Elemente: QuickInfos



Ribbon Control Elemente: KeyTipps



Ribbon Control: Struktur und Elemente



<http://blogs.msdn.com/b/wpf/archive/2010/08/03/introducing-microsoft-ribbon-for-wpf.aspx>

Ribbon Control: Struktur und Elemente

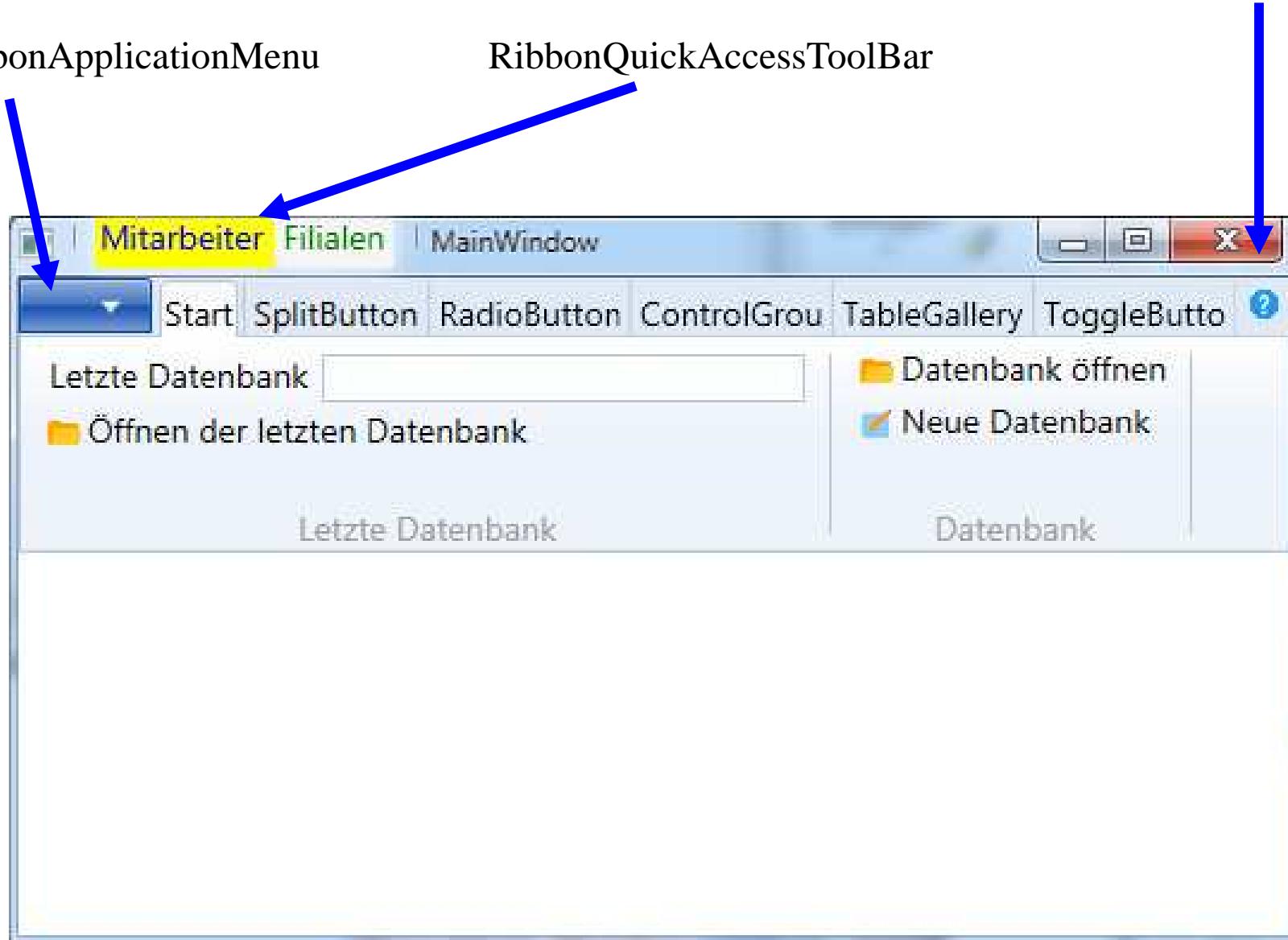
- RibbonHelpPaneContent
- QuickAccessToolBar
- ApplicationMenu
- RibbonTab
 - RibbonGroup
 - RibbonMenuButtons
 - RibbonButton
 - RibbonMenuItem
 - RibbonGallery
 - RibbonSplitButton
 - RibbonComboBox
 - RibbonSeparator
 - RibbonTwoLineText
 - Help Icon

Ribbon Control: Startdialog

HelpPaneContent

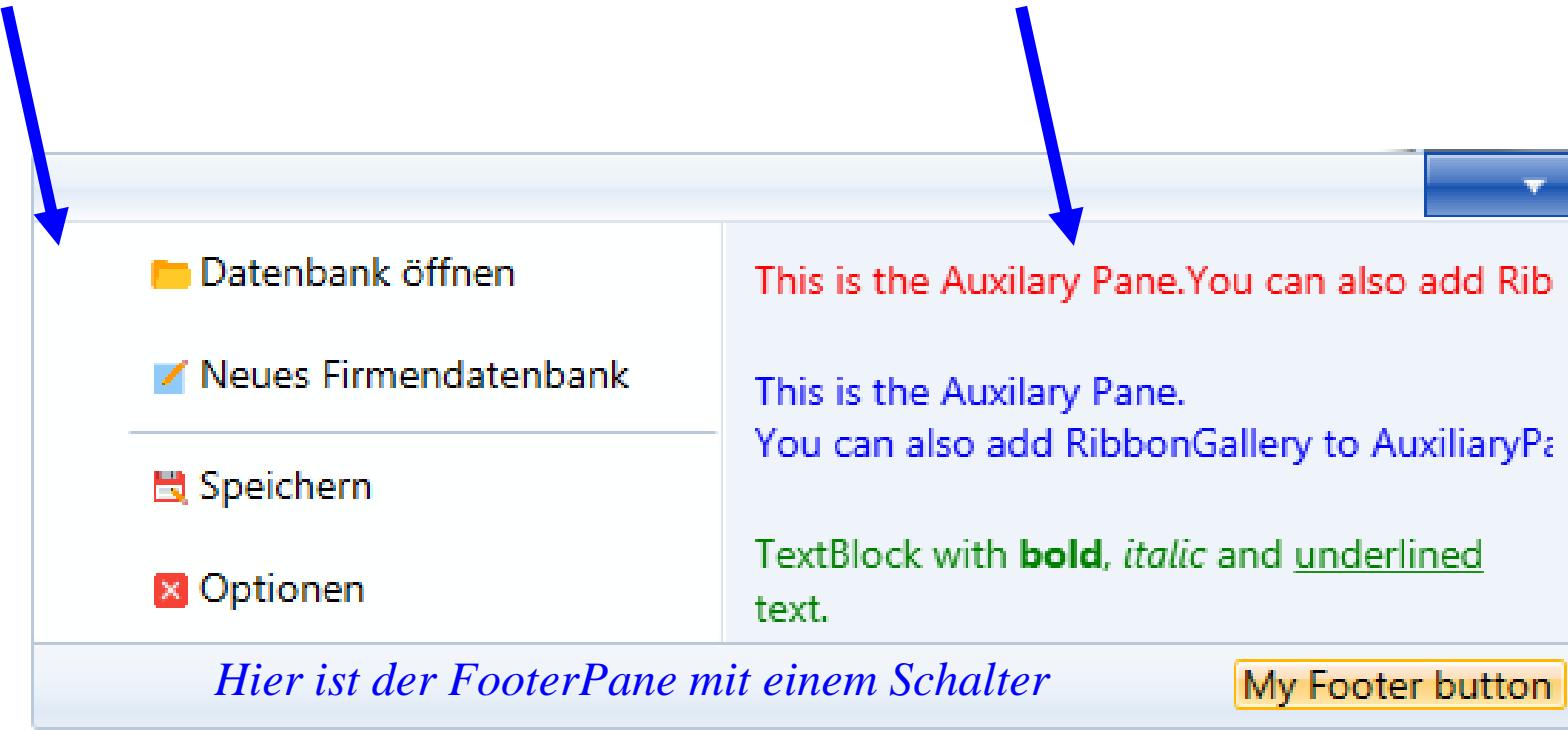
RibbonApplicationMenu

RibbonQuickAccessToolBar



Ribbon Control: RibbonApplicationMenu

RibbonApplicationMenu

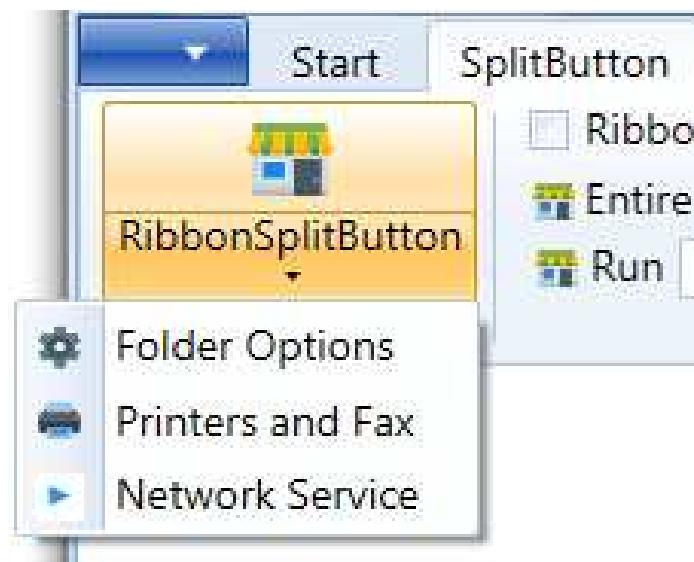


AuxilaryPane mit drei TextBlocks

Zwei verschiedene Tooltips



Ribbon Control: SplitButton



Ribbon Control: CheckBox und TextBox mit Label



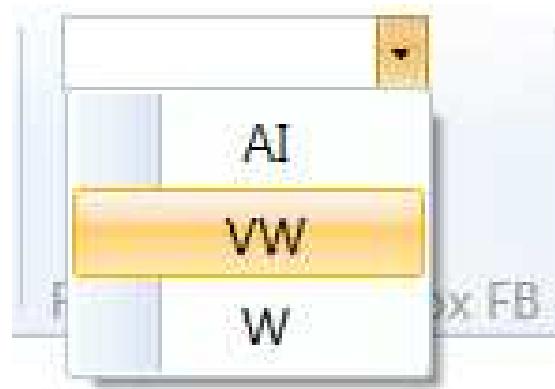
Ribbon Control: RibbonMenuItem



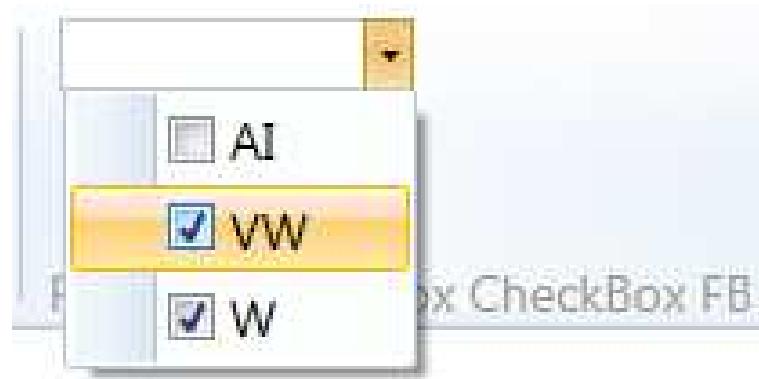
Ribbon Control: RibbonRadioButton à la ToggleButton



Ribbon Control: RibbonComboBox



Ribbon Control: RibbonComboBox mit CheckBox



Ribbon Control: RibbonControlGroup

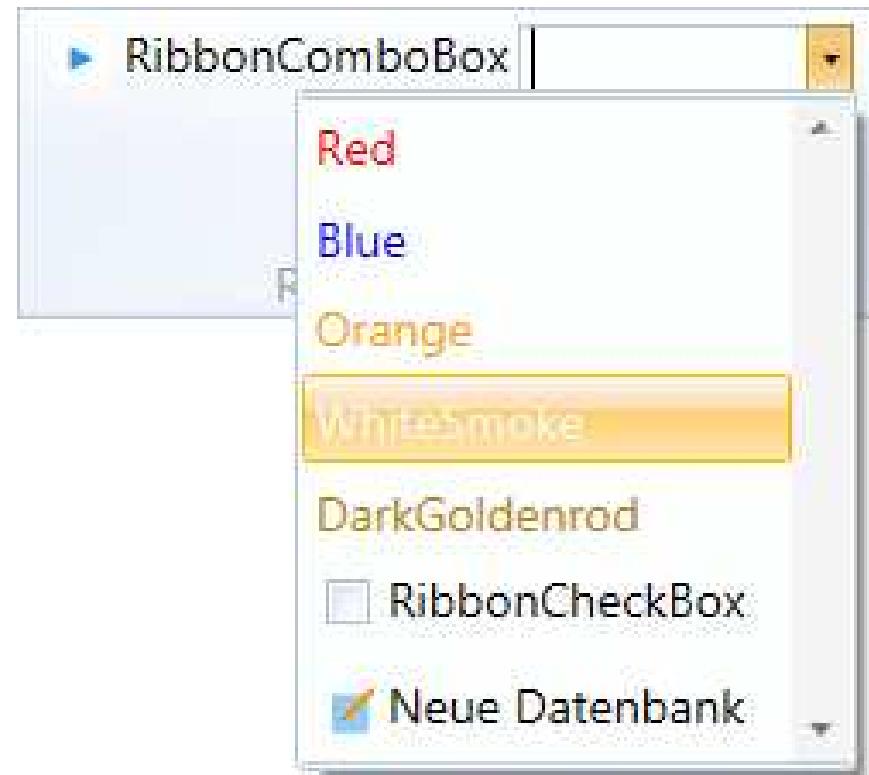
Besser mit einem Stackpanel arbeiten



Ribbon Control: RibbonComboBox

Inhalt:

- RibbonGalleryItem
- RibbonCheckBox
- Schalter



Ribbon Control: RibbonToggleButton



Inhalt:

1. RibbonControlGroup
2. StackPanel
3. RibbonControlGroup mit Rotation um 180°
4. StackPanel mit Rotation um 180°

Ribbon Control: RibbonToggleButton, 180 ° Drehung

```
<ribbon:RibbonGroup Header="RibbonToggleButton3" VerticalAlignment="Center"  
HorizontalAlignment="Right" RenderTransformOrigin="0.5,0.5" >  
    <RibbonGroup.RenderTransform>  
        <TransformGroup>  
            <ScaleTransform/>  
            <SkewTransform/>  
            <RotateTransform Angle="-180"/>  
            <TranslateTransform/>  
        </TransformGroup>  
    </RibbonGroup.RenderTransform>  
    <ribbon:RibbonControlGroup>  
        <ribbon:RibbonToggleButton Label="Ja" />  
        <ribbon:RibbonToggleButton Label="Nein" />  
        <ribbon:RibbonToggleButton Label="Weiß nicht" />  
    </ribbon:RibbonControlGroup>  
</ribbon:RibbonGroup>
```