

添加预览

- 1. 描述
- 2. 添加预览



1. 描述

在CellTypeDesigner类中有一个GetDrawingControl的虚拟方法，它会返回预览绘图控件。



2. 添加预览

下面的三个示例是用这个方法预览单元格类型插件。

预览控制

示例为按钮组单元格类型。

查看完整代码请参见：<https://gitee.com/huozige-china/button-group-cell-type>。

```
[Designer("ButtonGroupCellType.ButtonGroupCellTypeDesigner,ButtonGroupCe
llType")]
public class ButtonGroupCellType : CellType
{
    public ButtonGroupCellType()
    {
        AddButtonText = "Add";
        DeleteButtonText = "Delete";
    }
    public List<Command> AddButtonCommandList
    {
        get; set;
    }

    public List<Command> DeleteButtonCommandList
    {
        get; set;
    }

    public string AddButtonText
    {
        get; set;
    }

    public string DeleteButtonText
    {
        get; set;
    }
}

public class ButtonGroupCellTypeDesigner :
```

```

CellTypeDesigner<ButtonGroupCellType>
{
    public override FrameworkElement GetDrawingControl(ICellInfo
cellInfo, IDrawingHelper drawingHelper)
    {
        Button addButton = new Button()
        {
            Content = this.CellType.AddButtonText
        };
        Button deleteButton = new Button()
        {
            Content = this.CellType.DeleteButtonText,
            Margin = new Thickness(5, 0, 0, 0)
        };
        Grid container = new Grid();
        container.ColumnDefinitions.Add(new ColumnDefinition() {
Width = new GridLength(1, GridUnitType.Star) });
        container.ColumnDefinitions.Add(new ColumnDefinition() {
Width = new GridLength(1, GridUnitType.Star) });
        container.Children.Add(addButton);
        Grid.SetColumn(addButton, 0);
        container.Children.Add(deleteButton);
        Grid.SetColumn(deleteButton, 1);

        addButton.Foreground =
drawingHelper.GetBrush(cellInfo.ForegroundStr) ?? Brushes.White;
        addButton.FontSize = cellInfo.FontSize;
        addButton.Background =
drawingHelper.GetBrush(cellInfo.BackgroundStr) ?? Brushes.Green;
        addButton.BorderBrush =
drawingHelper.GetBrush(cellInfo.ForegroundStr) ?? Brushes.Green;

        deleteButton.Foreground =
drawingHelper.GetBrush(cellInfo.ForegroundStr) ?? Brushes.Green;
        deleteButton.FontSize = cellInfo.FontSize;
        deleteButton.Background =
drawingHelper.GetBrush(cellInfo.BackgroundStr) ?? Brushes.White;
        deleteButton.BorderBrush =
drawingHelper.GetBrush(cellInfo.ForegroundStr) ?? Brushes.Green;
        deleteButton.BorderThickness = new Thickness(2);
    }
}

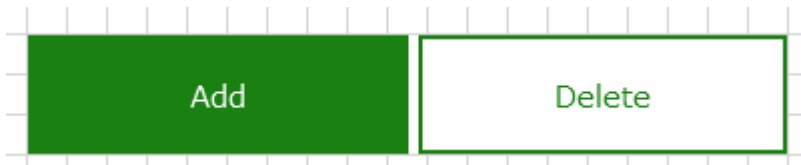
```

```

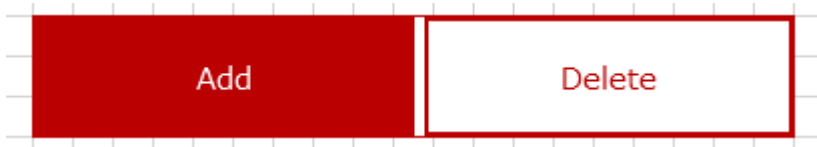
        return container;
    }
}

```

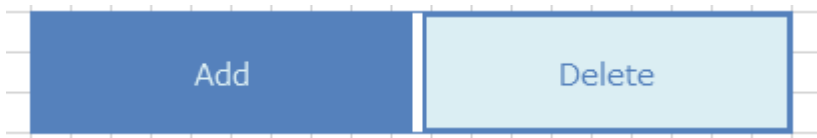
默认样式如下：



改变背景颜色为红色，预览效果如下：



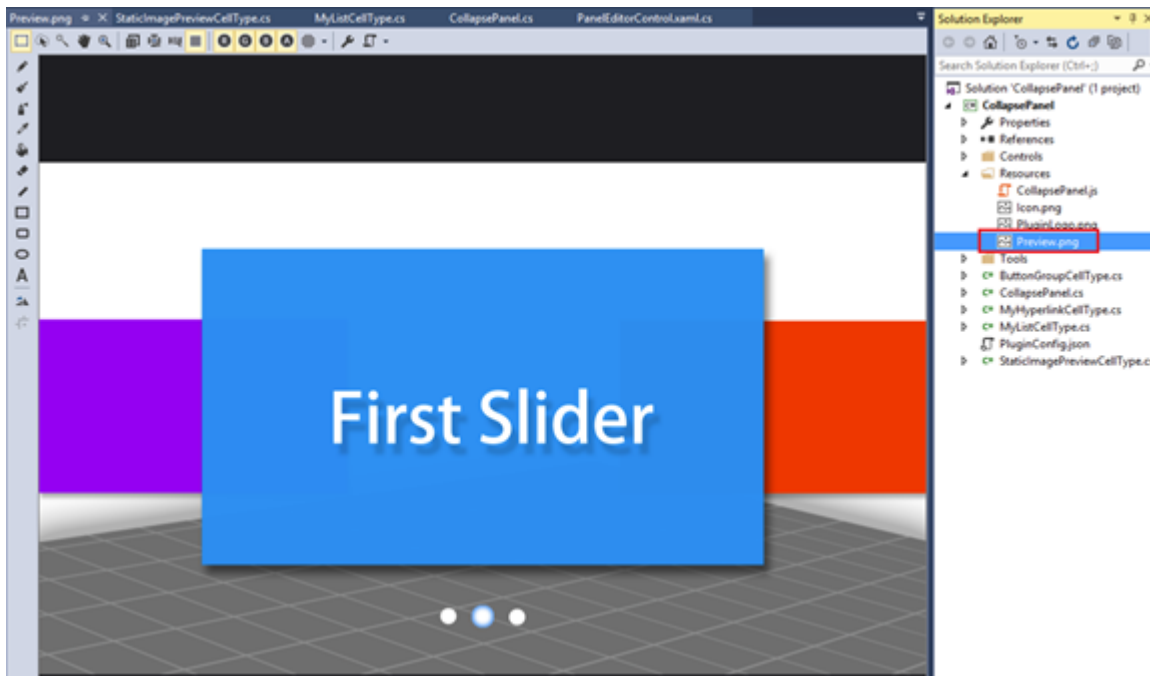
改变背景颜色和文字颜色，预览效果如下：



预览图片

静态图片预览：示例图片在工程中的位置如图所示。

查看完整代码请参见：<https://gitee.com/huozige-china/static-image-preview-cell-type>。



在这个示例中，StaticImagePreviewCellType定义如下：

```

namespace StaticImagePreviewCellType
{

    [Designer("StaticImagePreviewCellType.StaticImagePreviewCellTypeDesigner
    ,StaticImagePreviewCellType")]
    public class StaticImagePreviewCellType : CellType, IReferencePage
    {
        public string PageName { get; set; }

        public IEnumerable<LocatedObject<string>>
        GetPageNames(LocationIndicator location)
        {
            if (!string.IsNullOrEmpty(this.PageName))
            {
                yield return new LocatedObject<string>(this.PageName,
                location.AppendProperty("PageName"));
            }
        }

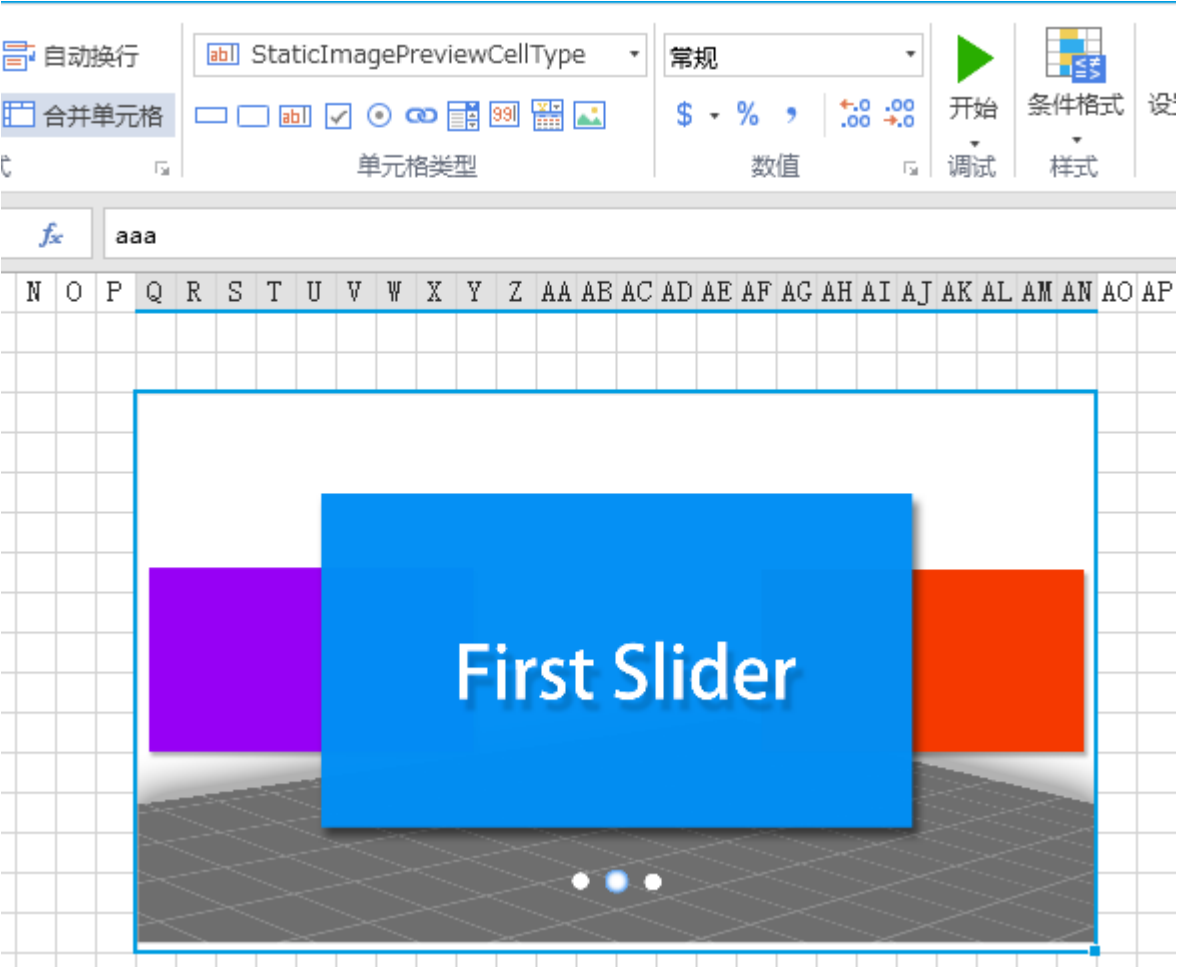
        public void RenamePageName(string oldName, string newName)
        {
            if (this.PageName == oldName)
            {
                this.PageName = newName;
            }
        }
    }

    public class StaticImagePreviewCellTypeDesigner :
    CellTypeDesigner<StaticImagePreviewCellType>
    {
        public override FrameworkElement GetDrawingControl(ICellInfo
        cellInfo, IDrawingHelper drawingHelper)
        {
            Grid container = new Grid();
            Image image = new Image();
            image.Source = new BitmapImage(new
            Uri("pack://application:,,,/StaticImagePreviewCellType;component/Resources/Preview.png", UriKind.RelativeOrAbsolute)); //the image uri
            image.Stretch = System.Windows.Media.Stretch.Uniform;
            image.VerticalAlignment = VerticalAlignment.Center;
            image.HorizontalAlignment = HorizontalAlignment.Center;
            container.Children.Add(image);
            return container;
        }
    }
}

```

注意，在图片属性中，“生成操作”需要改为“Resource”。

预览如下：



动态图片预览：图片在设计器中上传。

查看完整代码请参见：<https://gitee.com/huozige-china/my-image-cell-type>。

在这个示例中，MyImageCellType定义如下：

```

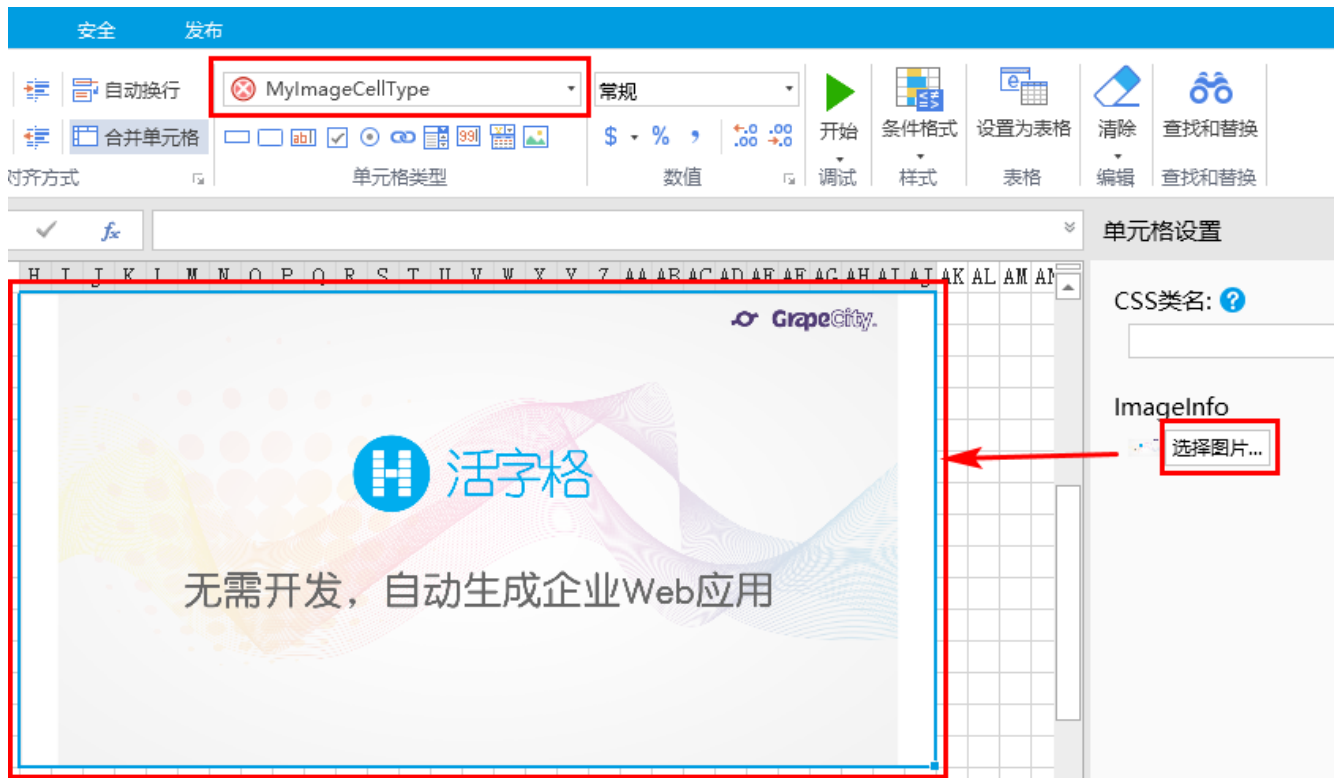
namespace MyImageCellType
{
    [Designer("MyImageCellType.MyImageCellTypeDesigner,MyImageCellType")]
    public class MyImageCellType : CellType
    {
        public ImageValue ImageInfo
        {
            get; set;
        }
    }

    internal class MyImageCellTypeDesigner :
    CellTypeDesigner<MyImageCellType>
    {
        public override FrameworkElement GetDrawingControl(ICellInfo
        cellInfo, IDrawingHelper drawingHelper)
        {
            Grid container = new Grid();
            if (this.CellType.ImageInfo != null)
            {
                //uploaded image in ImageSelectorEditor
                var imagePath =
                Path.Combine(drawingHelper.ForguncyImageEditorFolderPath,
                this.CellType.ImageInfo.Name);
                if (this.CellType.ImageInfo.BuiltIn)
                {
                    //builtin image in ImageSelectorEditor
                    imagePath =
                    Path.Combine(drawingHelper.ForguncyBuiltInImagesFolderPath,
                    this.CellType.ImageInfo.Name);
                }
                Image image = new Image();
                try
                {
                    image.Source = new BitmapImage(new Uri(imagePath,
                    UriKind.RelativeOrAbsolute));
                }
                catch (Exception)
                {
                    //svg
                }
                image.Stretch = System.Windows.Media.Stretch.Uniform;
                image.VerticalAlignment = VerticalAlignment.Center;
                image.HorizontalAlignment = HorizontalAlignment.Center;
                container.Children.Add(image);
            }

            return container;
        }
    }
}

```

单击“选择图片”，上传一个图片，图片不能是svg格式，预览如下：



预览表格数据

下面是MyListViewCellType的示例，DrawingHelper类中有一个方法GetTableDataForPreview，可返回数据表中的数据，最大支持行数为50。

查看完整代码请参见：<https://gitee.com/huozige-china/my-list-view-cell-type>。

```
namespace MyListViewCellType
{
    [Designer("MyListViewCellType.MyListViewCellTypeDesigner, MyListViewCellT
ype")]
    public class MyListViewCellType : CellType
    {
        public string TableName
        {
            get; set;
        }
        public string TextColumn
        {
            get; set;
        }
    }

    public class MyListViewCellTypeDesigner :
    CellTypeDesigner<MyListViewCellType>
    {
        public override EditorSetting
        GetEditorSetting(PropertyDescriptor property, IBuilderContext
builderContext)
        {
            if (property.Name == "TableName")
            {

```

```

        return new TableComboTreeSelectorEditorSetting();
    }
    if (property.Name == "TextColumn")
    {
        var columns =
builderContext.EnumAllTableInfos().FirstOrDefault(t => t.TableName ==
this.CellType.TableName)?.Columns?.Select(c => c.ColumnName);
        return new ComboEditorSetting(columns);
    }
    if (property.Name == "ValueColumn")
    {
        var columns =
builderContext.EnumAllTableInfos().FirstOrDefault(t => t.TableName ==
this.CellType.TableName)?.Columns?.Select(c => c.ColumnName);
        return new ComboEditorSetting(columns);
    }
    return base.GetEditorSetting(property, builderContext);
}

public override FrameworkElement GetDrawingControl(ICellInfo
cellInfo, IDrawingHelper drawingHelper)
{
    ListBox listBox = new ListBox();
    //get table data for preview.
    var tableData =
drawingHelper.GetTableDataForPreview(this.CellType.TableName, new
List<string>() { this.CellType.TextColumn }, null, true);
    if (tableData != null)
    {
        foreach (var row in tableData)
        {
            var value = row[this.CellType.TextColumn];
            if (value != null)
            {
                ListBoxItem item = new ListBoxItem() { Content =
value };
                listBox.Items.Add(item);
            }
        }
    }
    Grid container = new Grid();
    container.Children.Add(listBox);
    return container;
}

```



```
}  
}  
}
```

表1中数据如下：

对象管理器

检索表或页面

表

表1

页面

内建手机页面

	A	B	C
	ID	字段1	添加字段
1	1	aa	
2	2	bb	
3	3	cc	
4	4	dd	
5	(新建)		

在设计器中预览效果如下：

发布

MyListViewCellType

常规

开始

条件格式

设置为表格

清除

查找和替换

单元格类型

数值

调试

样式

表格

编辑

查找和替换

单元格设置

CSS类名: ?

TableName

表1

TextColumn

字段1

aa

bb

cc

dd

回到顶部