JETBRAINS

Microsoft

Reactor

ControlTheme
控件主题

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Style的局限

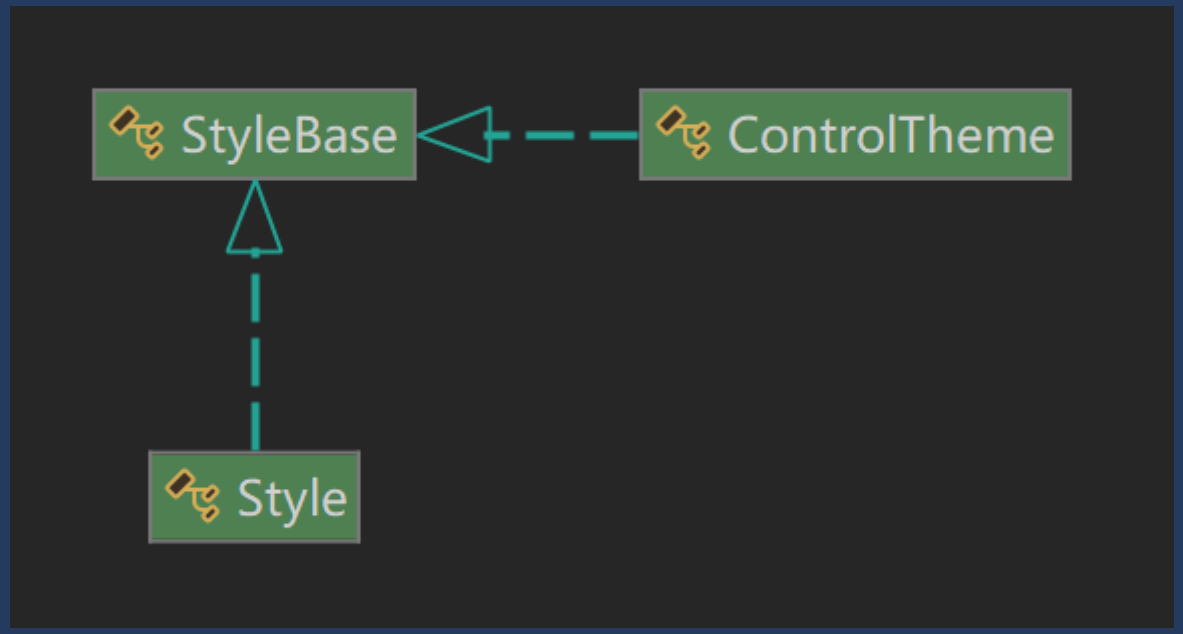
Style的局限

——无法移除

Style的局限

声明ControlTheme

声明ControlTheme



ControlTheme和Style的区别

- ControlTheme 没有 Selector，取而代之的是 TargetType

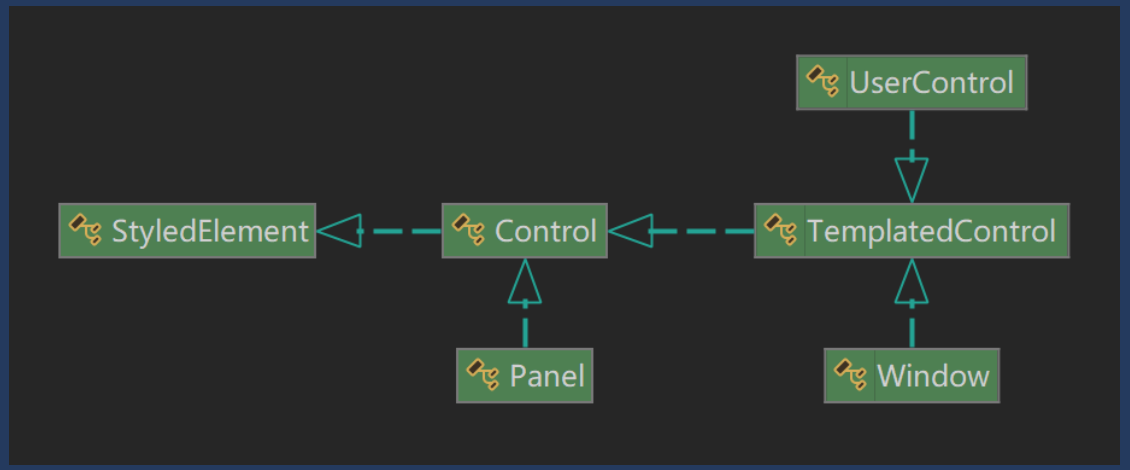
- ControlTheme 是资源，存放在 ResourceDictionary，而不是 Styles，必须有 x:key(ResourceKey)

```
<ControlTheme x:Key="EllipseButton" TargetType="Button">
```

- ControlTheme 通过控件的 Theme 属性来应用，使用 StaticResource 或 DynamicResource 引用

```
<Button Theme="{StaticResource ResourceKey=EllipseButton}" Content="Ellipse" />
```

声明ControlTheme




```
public class StyledElement : Animatable,
    213 用法  Steven Kirk  更多...
    public ControlTheme? Theme
    {
        get ⇒ GetValue(ThemeProperty);
        set ⇒ SetValue(ThemeProperty, value);
    }
```

```
<Button Theme="{StaticResource ResourceKey= EllipseButton}" Content="Ellipse" />
```

ControlTheme
查找顺序

ControlTheme 查找顺序

- 设置了 Theme 属性

查找 Theme 指定的 ControlTheme

- 没有设置 Theme 属性

查找x:key ="{x:Type 控件类型}" 的 ControlTheme

按照资源的查找规则（就近原则）从逻辑树向上查找

资源的查找顺序

Application [8]
|- (Resources/Styles)

StyledElement
|- Resources [1]
  |- ThemeDictionaries
    |- Merged dictionary(Default) [3]
    |- Merged dictionary(Light/Dark) [2]
  |- MergedDictionaries
    |- Merged dictionary [5]
    |- Merged dictionary [4]
|- Styles
  |- Style
    |- Resources [7]
      |-(ThemeDictionaries/MergedDictionaries)
  |- Style
    |- Resources [6]
      |-(ThemeDictionaries/MergedDictionaries)

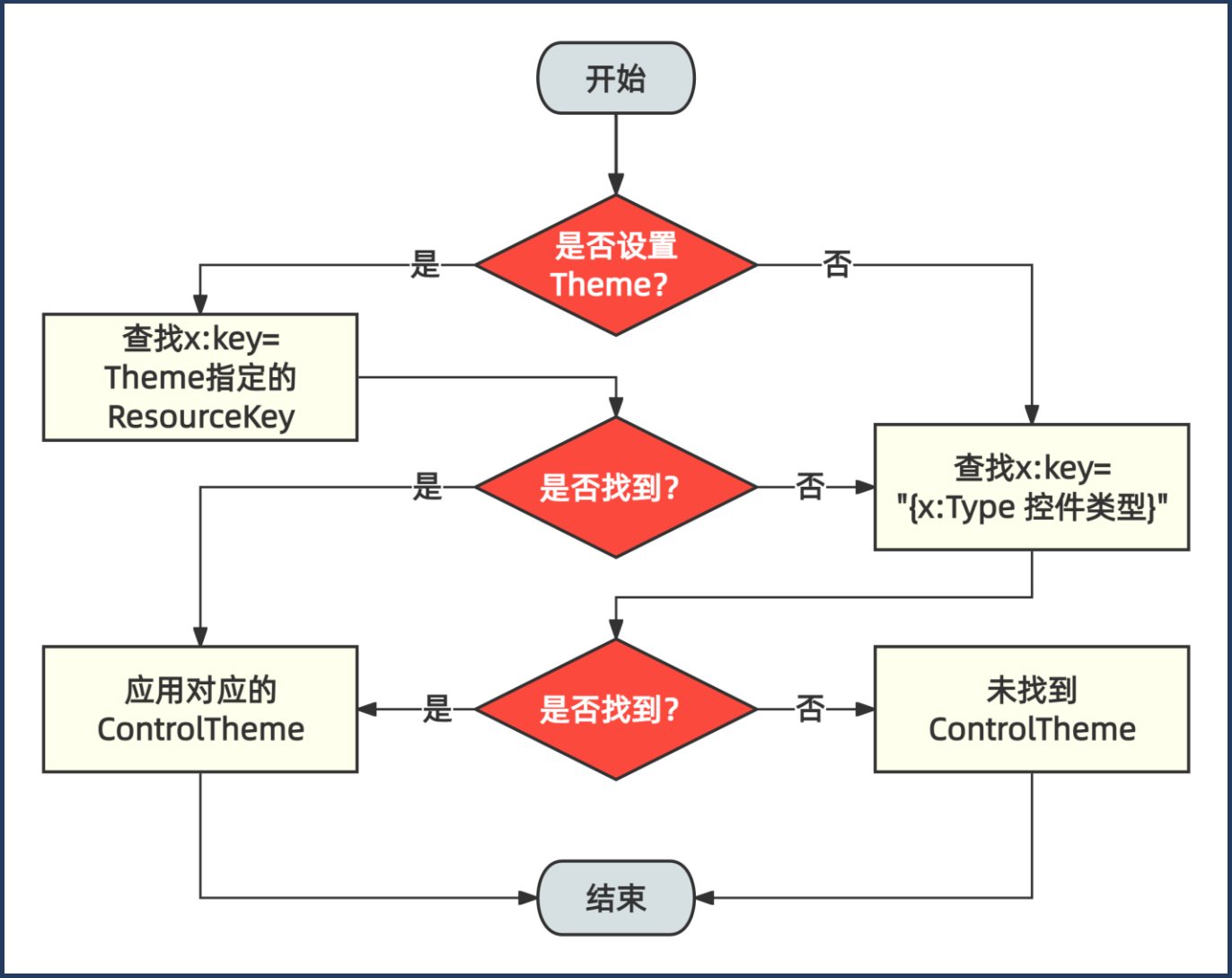
ControlTheme 查找顺序

```
<Button Content="Default" />
```

相当于

```
<Button Theme="{StaticResource {x:Type Button}}"
        Content="Default" />
```

ControlTheme 查找顺序



StyleKey

StyleKey

```
<ControlTheme x:Key="{x:Type TypeName=Button}" TargetType="Button">
```

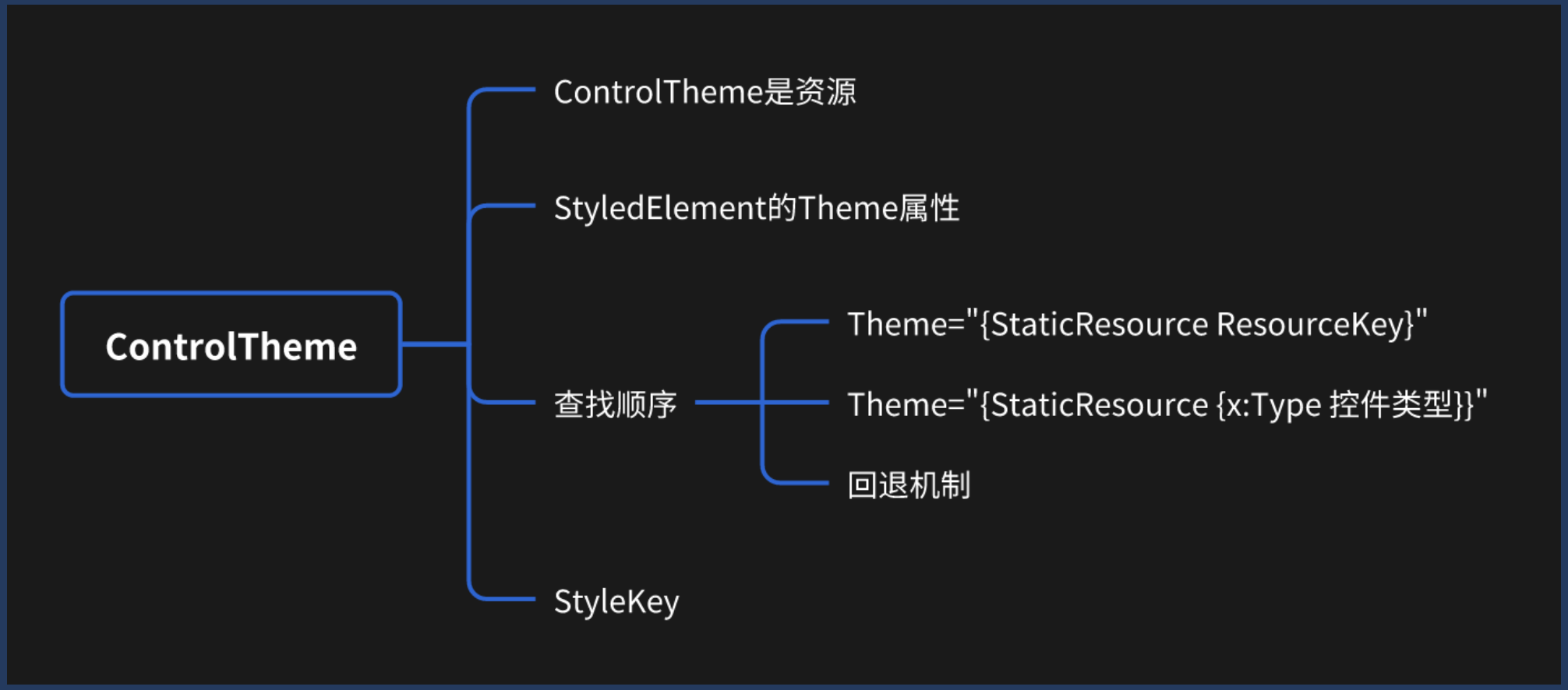
StyleKey

```
<ControlTheme x:Key="{x:Type TypeName=Button}" TargetType="Button">
```


```
public class StyledElement : Animatable,
    1+3 用法  Steven Kirk
    public Type StyleKey ⇒ StyleKeyOverride;
```

```
protected virtual Type StyleKeyOverride ⇒ GetType();
```

小结


ControlTheme
ControlTheme是资源
StyledElement的Theme属性
查找顺序
Theme="{StaticResource ResourceKey}"
Theme="{StaticResource {x:Type 控件类型}}"
回退机制
StyleKey