

Creating a Custom Control

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Outline

- **Choosing a base class**
- **Presenters**
- **Data Binding**
- **Access Template Elements**

Choosing a Base Class

- **UIElement**
- **FrameworkElement**
- **Control**
- **ContentControl**
- **HeaderedContentControl**
- **ItemsControl**
- **Selector**
- **RangeBase**
- **Existing Control**

Presenters

- Place holders for content
- `ContentPresenter`
- `ItemsPresenter`

Data Binding

- **TemplateBinding vs TemplatedParent**
- **Analogous**
- **TemplateBinding**
 - Markup extension
 - Optimized binding for templates
 - Limited functionality
- **TemplatedParent**
 - Full binding construct using RelativeSource

Access Template Elements

- **Override OnApplyTemplate**
- **GetTemplateChild**
- **TemplatePartAttribute**

Summary

- **Choosing a base class**
- **Presenters**
- **Data Binding**
- **Access Template Elements**