Working with Data Templates

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Module Outline

Understand WPF's flexible content model

Create and use data templates

Define a look for customers in a ListView

Use data templates to load detail views

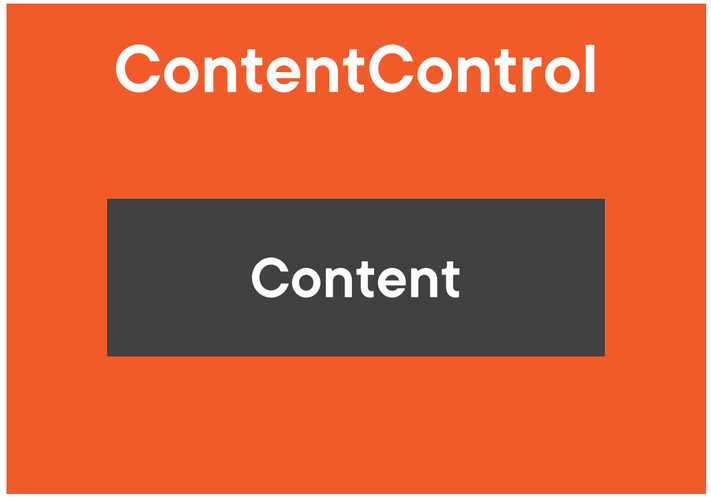
- Switch between the CustomersView and the ProductsView

Understand WPF's Flexible Content Model

```
<Button Content="Add customer"/>

<Button>
  <StackPanel Orientation="Horizontal">
    <Image Source="/Images/add.png"
      Height="18" Margin="0 0 5 0"/>
    <TextBlock Text="Add"/>
  </StackPanel>
</Button>
```

Understand WPF's Flexible Content Model



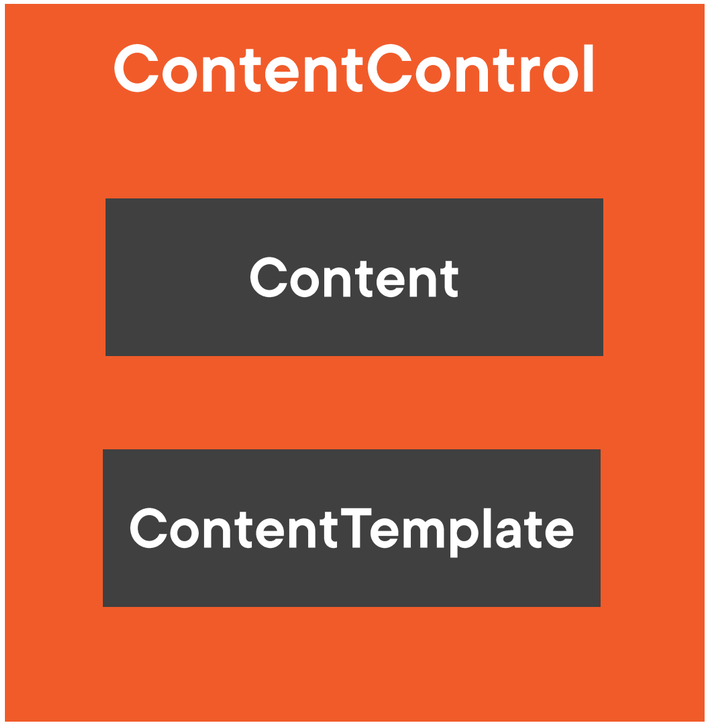
Button

CheckBox

Label

Window

Understand WPF's Flexible Content Model



Assign a UIElement

- It is rendered

Assign any other object

- The result of its ToString method is rendered
- Use a DataTemplate
  to define a user interface
- In the DataTemplate, bind to
  the object of the Content property

Understand WPF's Flexible Content Model

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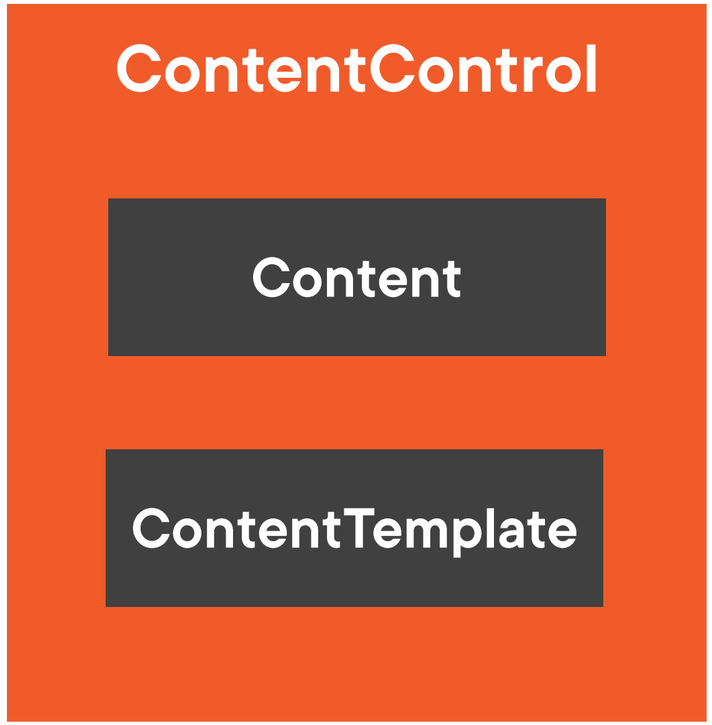
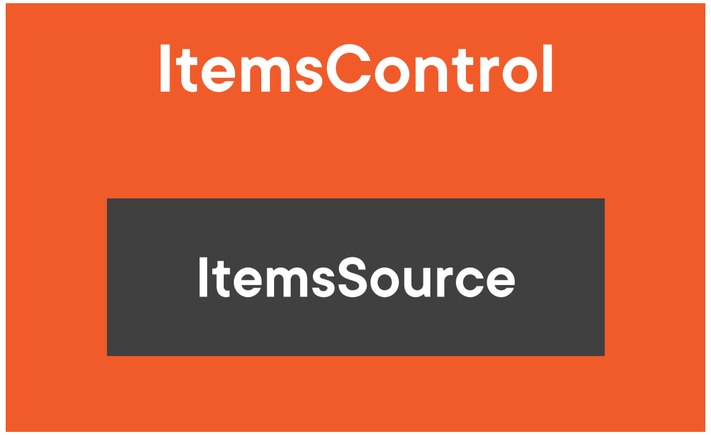
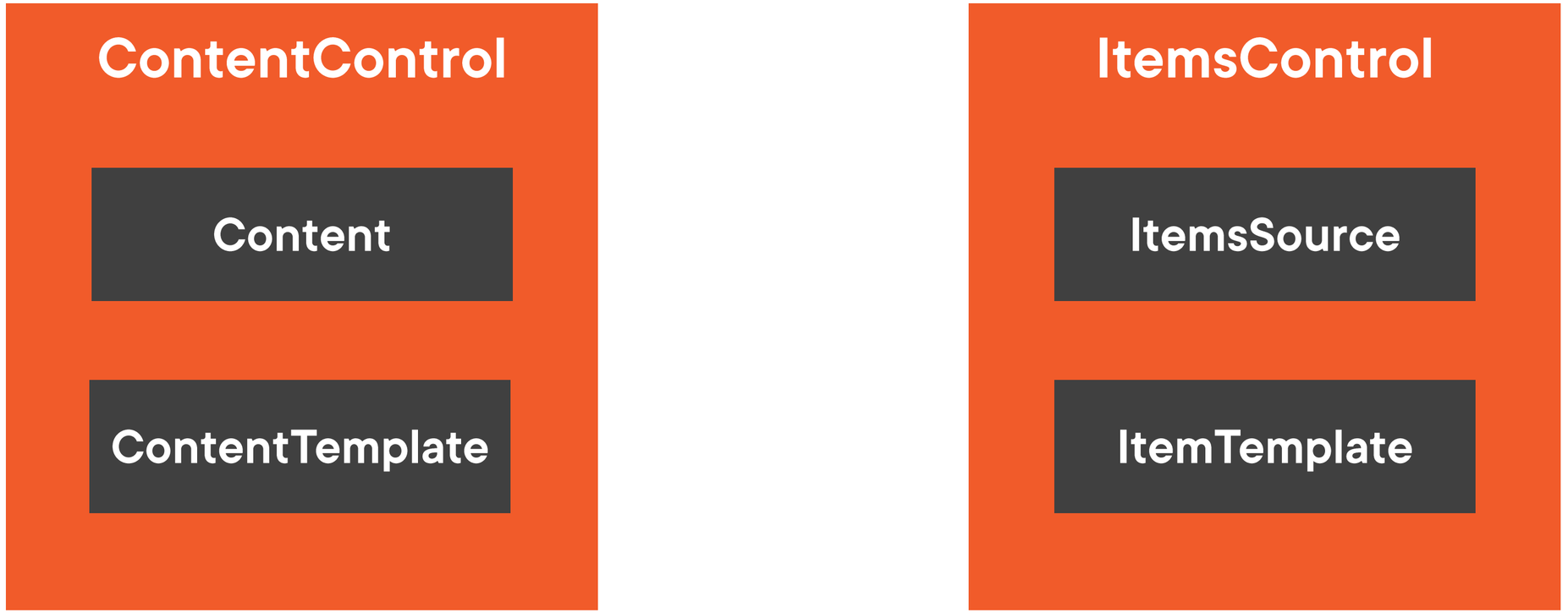




UIElements are rendered

For any other object the result of ToString is shown

Understand WPF's Flexible Content Model



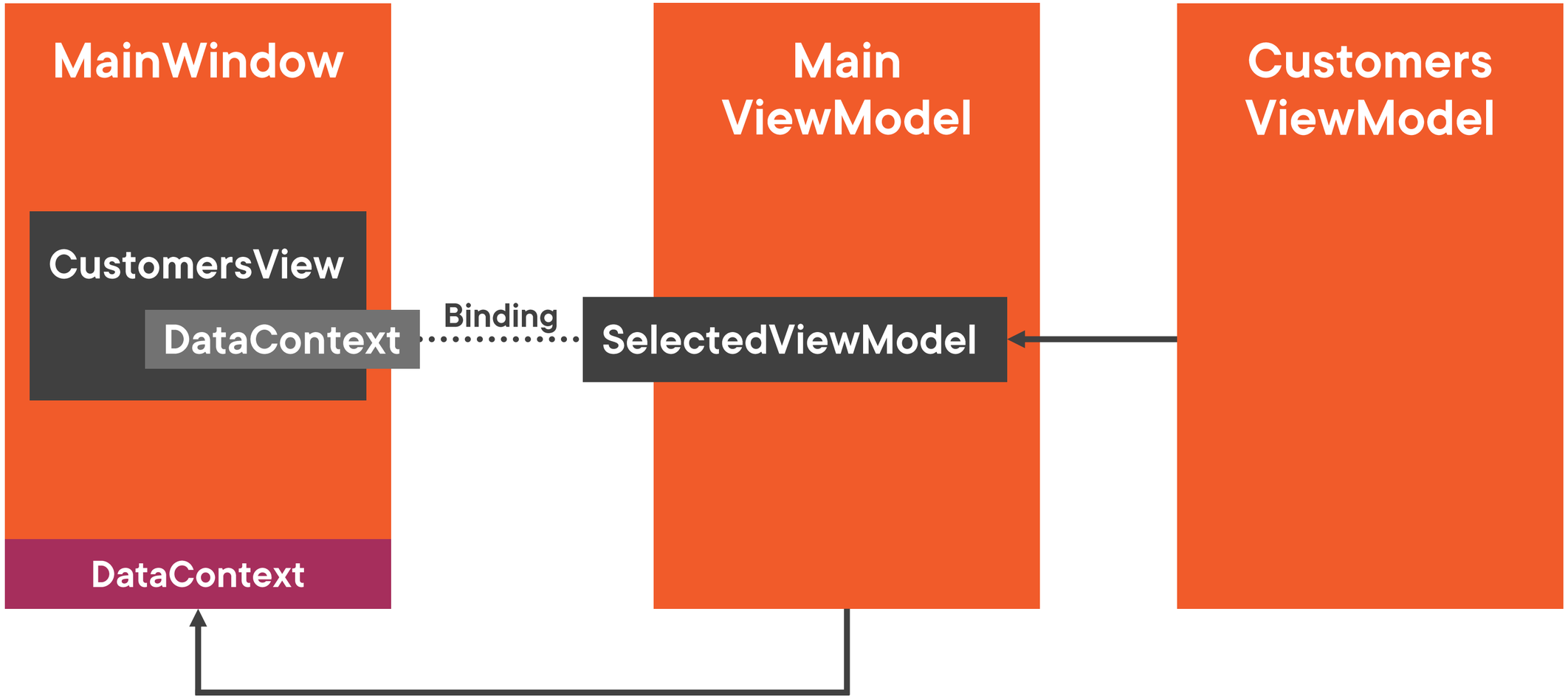
Demo

Use a data template with an ItemsControl

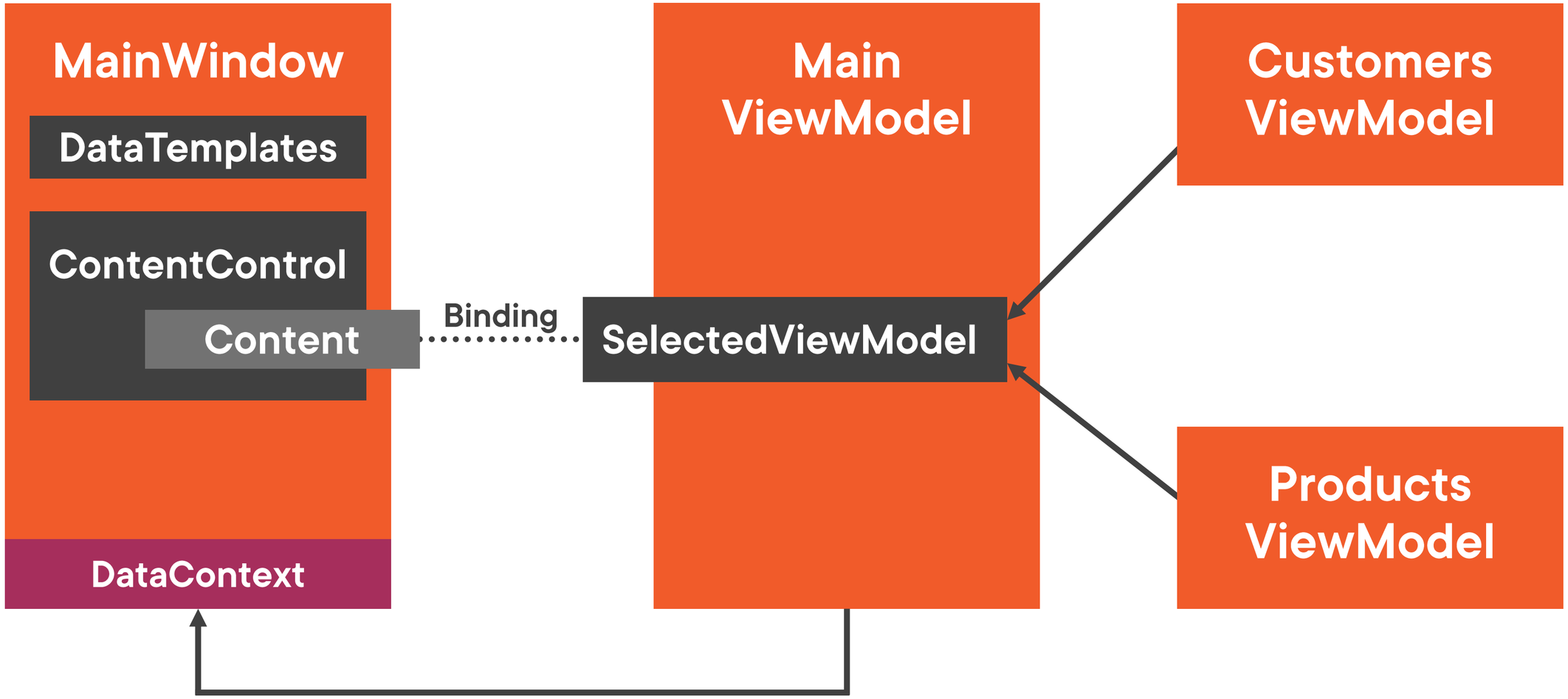
Demo

Set the navigation to a fixed width

The Plan with the ContentControl



The Plan with the ContentControl



Demo

Implement a MainViewModel

Demo

Bind to the MainViewModel

Demo

Use a data template with a ContentControl

Demo

Understand implicit data templates

Demo

Introduce another detail view

Demo

Create a SelectViewModelCommand

Demo

Bind the menu items to the command

Summary

WPF's flexible content model

- ContentControl and ItemsControl
- UIElements are rendered
- For other objects ToString result is shown

Create and use data templates

- Explicit data template with x:Key
- Implicit data template with DataType

Use data templates to load detail views

Up Next:
Setting up Dependency Injection