

Data Binding



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What to Expect from This Module



Data binding overview

Setting binding context

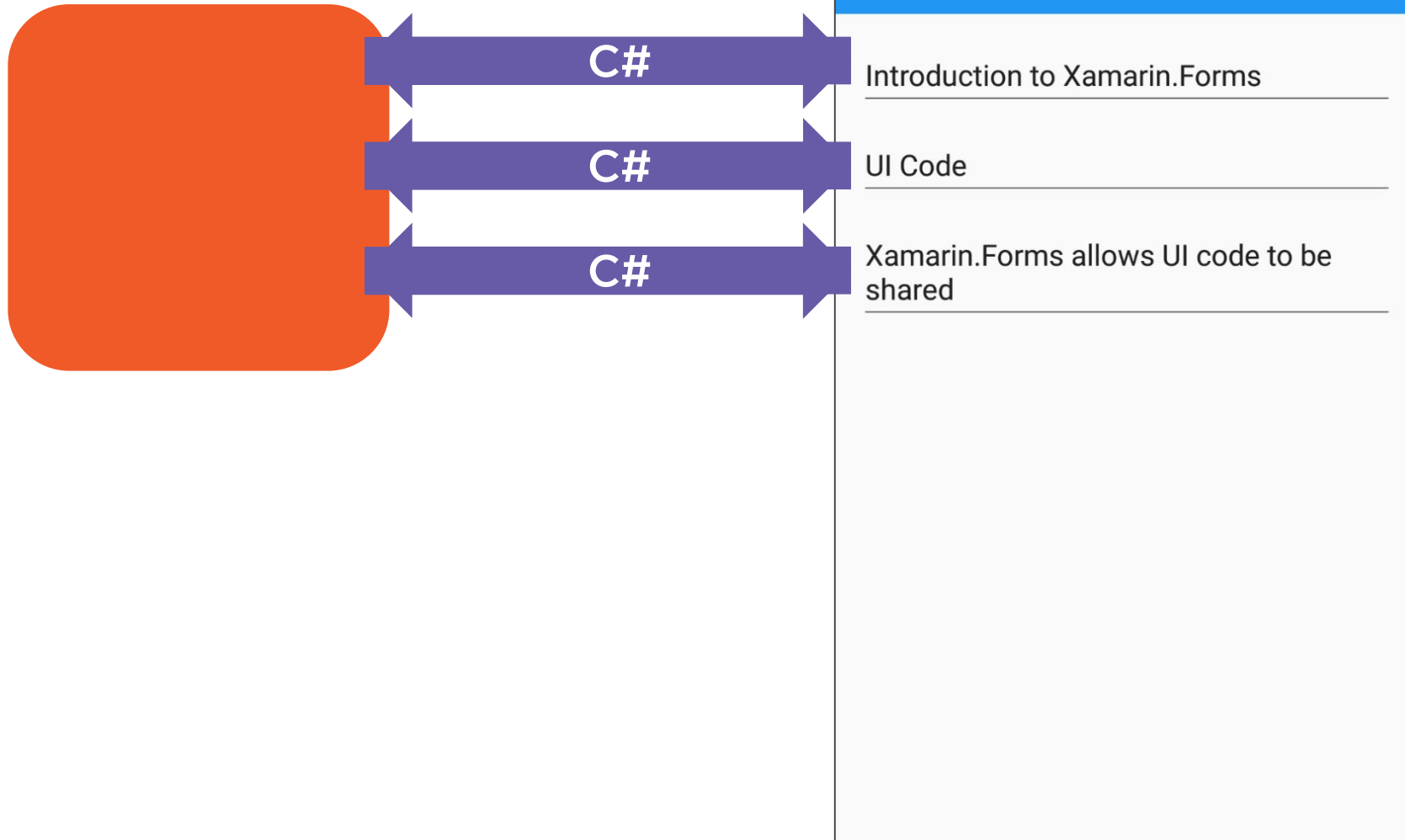
Binding within XAML

Binding data to a Picker

Multiple binding contexts within a page

Presenting Data

Data model



Data Binding



Data binding

Connects a target
to a data source



Target

Consumes data from source
Page classes
View classes



Specifying source

Use target's
`BindingContext` property



Presenting Data

Data model



Diagram illustrating data binding between a Data model and an 'Edit Note' UI form.

The 'Edit Note' form contains three text input fields:

- Introduction to Xamarin.Forms
- UI Code
- Xamarin.Forms allows UI code to be shared

Four red lines represent the binding paths:

- One line connects the Data model to the 'Introduction to Xamarin.Forms' field.
- One line connects the Data model to the 'UI Code' field.
- One line connects the Data model to the 'Xamarin.Forms allows UI code to be shared' field.
- A fourth line connects the Data model to a 'BindingContext' label below the form.

BindingContext

BindingContext

BindingContext

BindingContext



Binding to Data Values



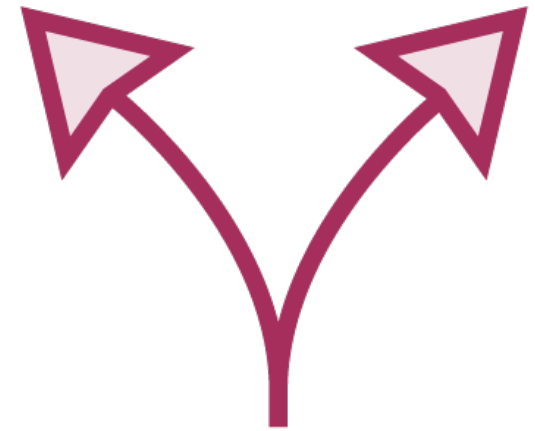
Source data

Public properties visible



Accessing from XAML

Use Binding extension
Can set most attribute values



Binding mode

Controls binding direction

Summary



Data binding

- Connects a target to a data source
- Automates getting/setting data values

Targets

- Page and view classes
- Specify source with BindingContext

Summary



Binding context

- Commonly set only on page
- Child views inherit
- Views can set separately if desired

Accessing data

- Use XAML Binding extension
- Can access source's public properties