

Intro to Xamarin. Forms

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Silver

crafting results



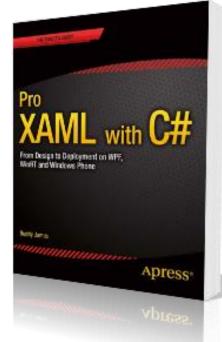


Me, Myself and I

















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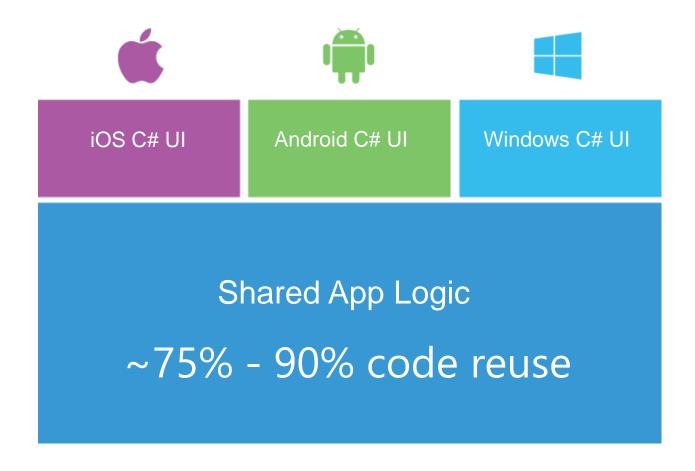
LinkedIn: http://ca.linkedin.com/in/lorilalonde



Xamarin vs Xamarin.Forms

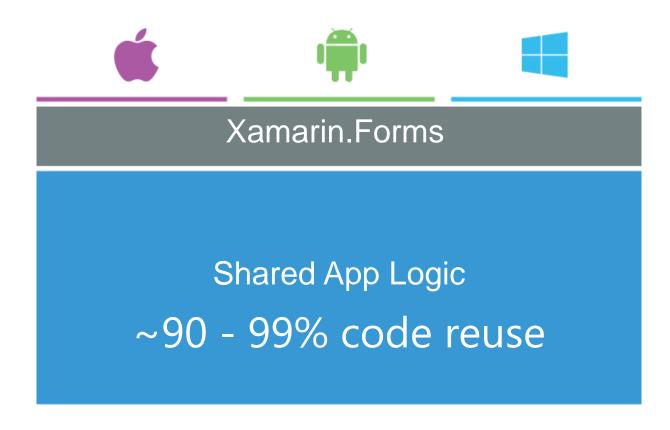


Xamarin's Default App Architecture





Xamarin.Forms App Architecture



Xamarin.Forms v1.3 - no support for Windows 8.1 or Windows Phone 8.1

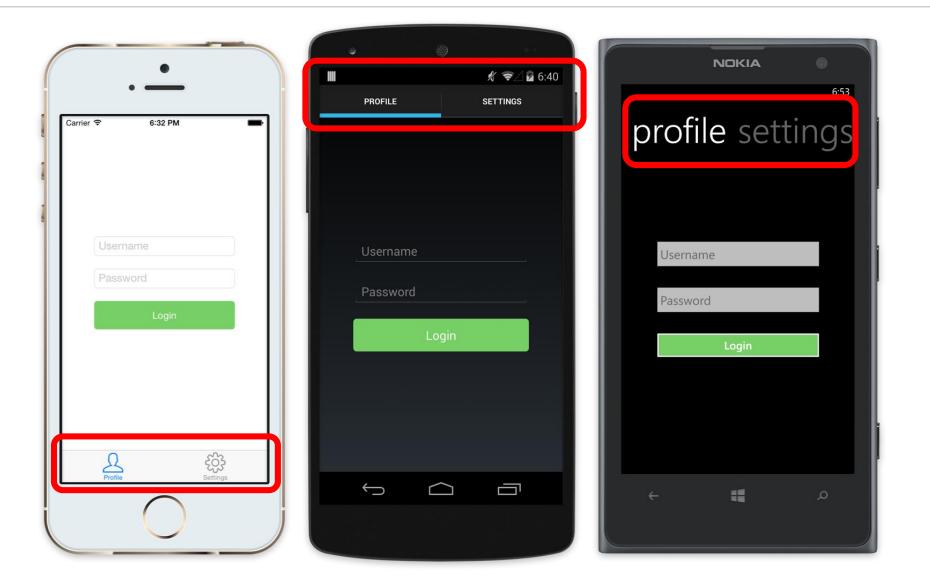


Xamarin.Forms 1.4

- Added support for Windows 8.1 and Windows Phone 8.1
- Xamarin.Forms templates do not add 8.1 projects automatically
- Some limitations
 - no support for: maps, gridview, loading embedded resources from another assembly



Xamarin.Forms: Build Native User Interfaces using Shared Code

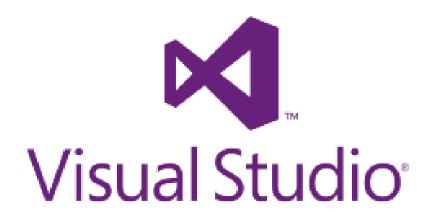




The Tools



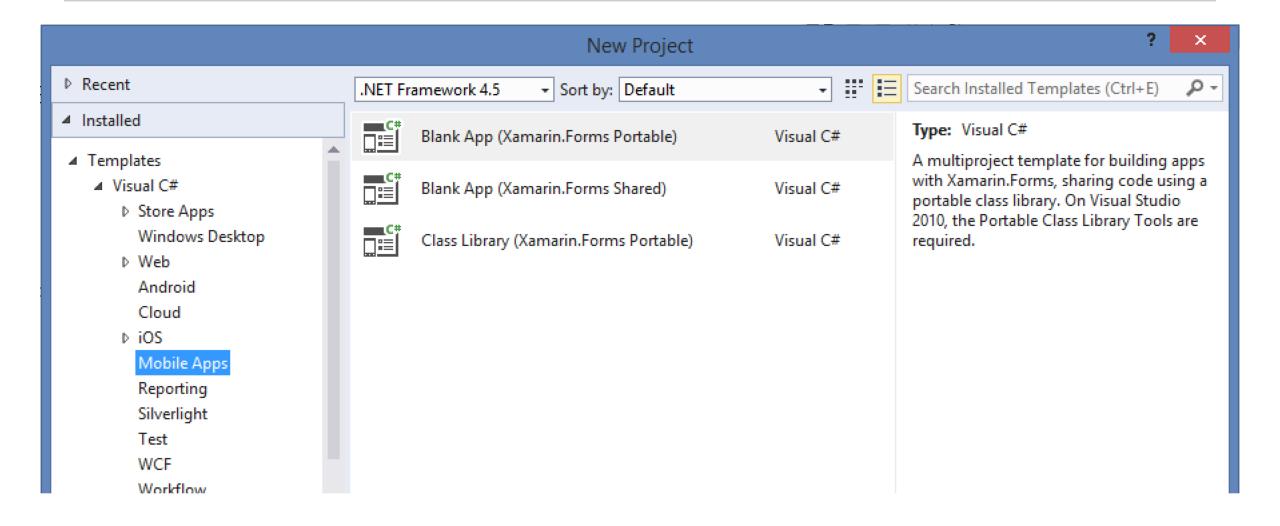
OR



+ Xamarin Plug-Ins



Xamarin.Forms Templates





Supports Data Binding

```
-<Button-Text="search"</pre>
-----Grid.Row="3"
·····Command="{Binding·SearchCommand}"
·····Grid.ColumnSpan="2"·/>

'<ListView'ItemsSource="{Binding'Places}"
</pre>
------Grid.Row="4"
·····Grid.ColumnSpan="2">
···<ListView.ItemTemplate>
·····<DataTemplate>
·····<ViewCell>
·····<Grid-RowSpacing="5">
·····</Grid.RowDefinitions>
······<Label·Text="{Binding·PostalCode}"·Font="Medium,Bold"·/>
····· <BoxView.Color>
```



Layouts and Controls



Content

Carousel

Master Detail

Navigation

Tabbed



Layouts

StackLayout

AbsoluteLayout

RelativeLayout

ScrollView

ContentView

Grid



User Interface Controls

Entry / Picker	View / Cell	Misc
Editor	BoxView	Label
Entry	ListView	Image
DatePicker	OpenGLView	Мар
TimePicker	TableView	ActivityIndicator
Picker	WebView	ProgressBar
Stepper	ImageCell	SearchBar
Slider	EntryCell	
Switch	TextCell	

....and more



Let's see what this looks like...



Platform-Specific Tweaks



Device Class

Static class which enables customization to layout and functionality by platform

Properties	Methods
Device.OS	Device.GetNamedSize
Device.ldiom	Device.OnPlatform
Device.Styles	Device.StartTimer
	Device.BeginInvokeOnMainThread



Device.OnPlatform Example

XAML

```
...<ContentPage.Padding>
....<OnPlatform.x:TypeArguments="Thickness">
....<OnPlatform.iOS>
....<5,20,5,0
....</onPlatform.iOS>
....<OnPlatform.Android>
....<5,5,5,5
....</onPlatform.WinPhone>
....<OnPlatform.WinPhone>
....</onPlatform.WinPhone>
....</onPlatform>
....</onPlatform>
....</contentPage.Padding>
```

Code Behind



Let's apply some platform tweaks...



Questions?



Additional Resources

Xamarin Developer Documentation - http://developer.xamarin.com

Book: Xamarin.Forms by Charles Petzold - http://developer.xamarin.com/guides/cross-platform/xamarin-forms/creating-mobile-apps-xamarin-forms/

Xamarin.Forms Samples - http://developer.xamarin.com/samples/xamarin-forms/all/



Additional Resources (continued)

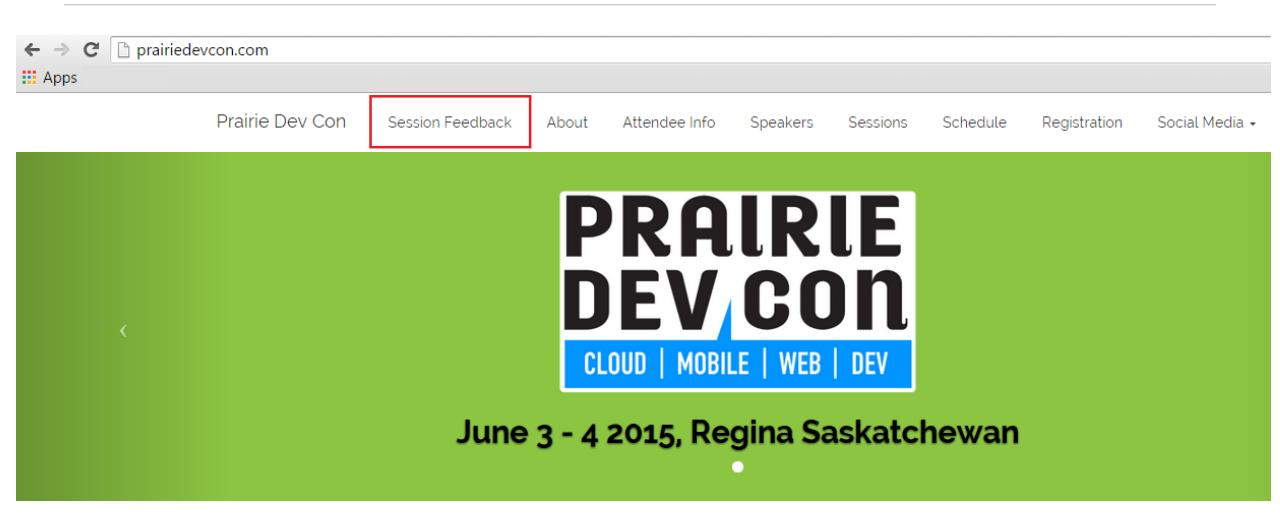
Xamarin Forms Labs - https://github.com/XLabs/Xamarin-Forms-Labs

James Montemagno – https://github.com/jamesmontemagno

Craig Dunn - https://github.com/conceptdev



Please fill out the session survey...



Your feedback matters!



Thanks!

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