Motz Codes Live

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Investigating MVVM
September 18, 2015

Who is Motz?
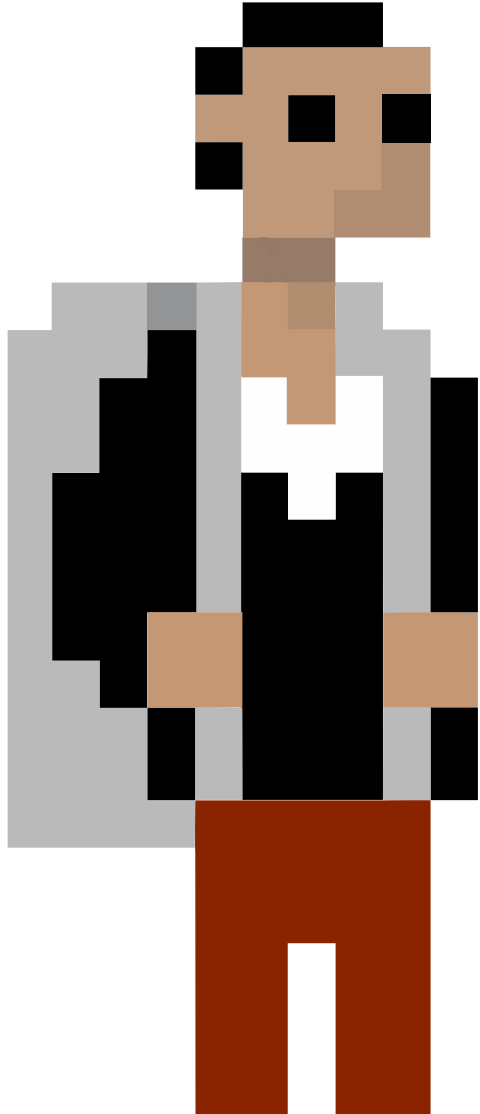
James
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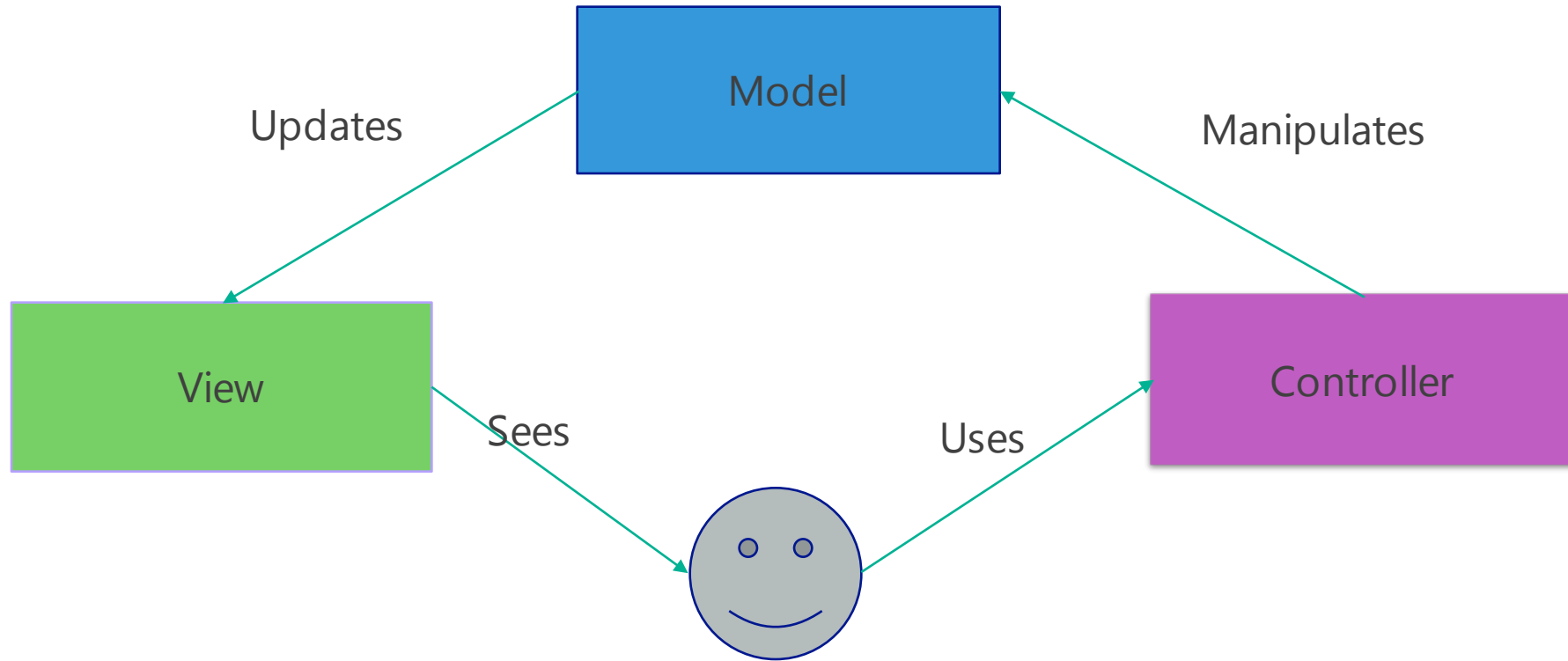
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What is MVC?

Model-View-Controller

What is MVVM?

Model-View-ViewModel

Platform Specific

Portable

View		ViewModel		Model

Data

Events

Data

How to display
information

What to display
Flow of interaction

Business Logic
Data objects
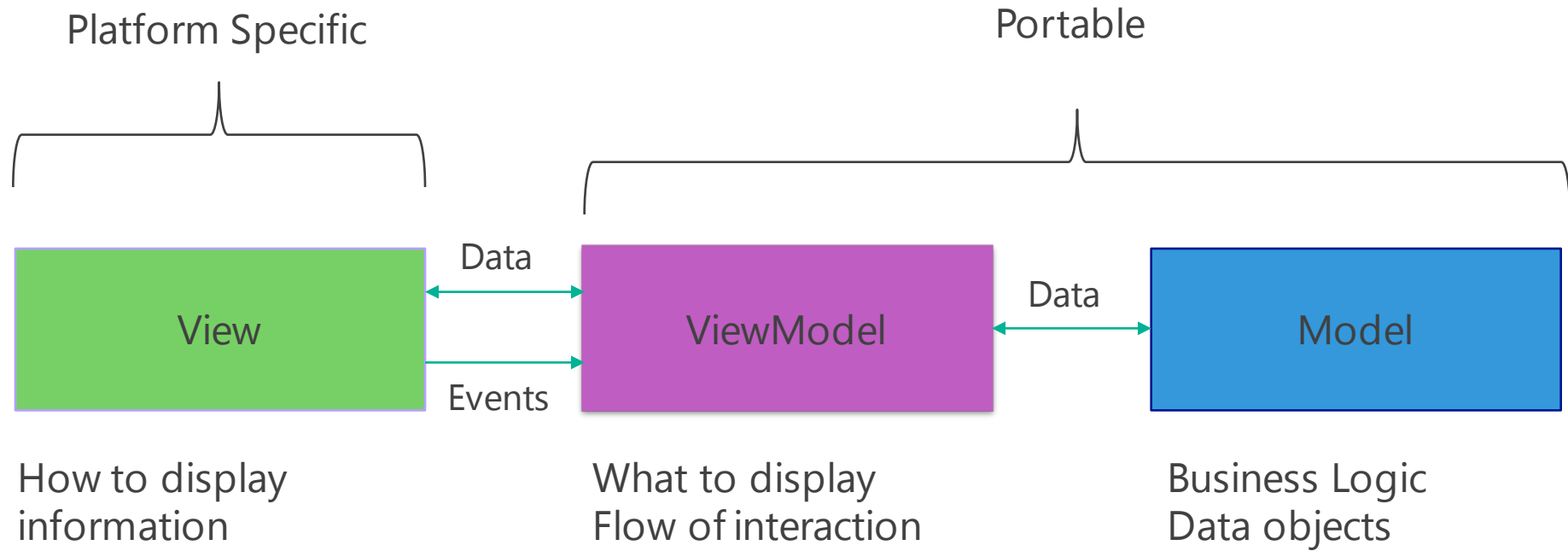
Why MVVM?

iOS C# UI   Android C# UI   Windows C# UI

Shared C# Backend

Models: Data, Services, Etc.

View Models
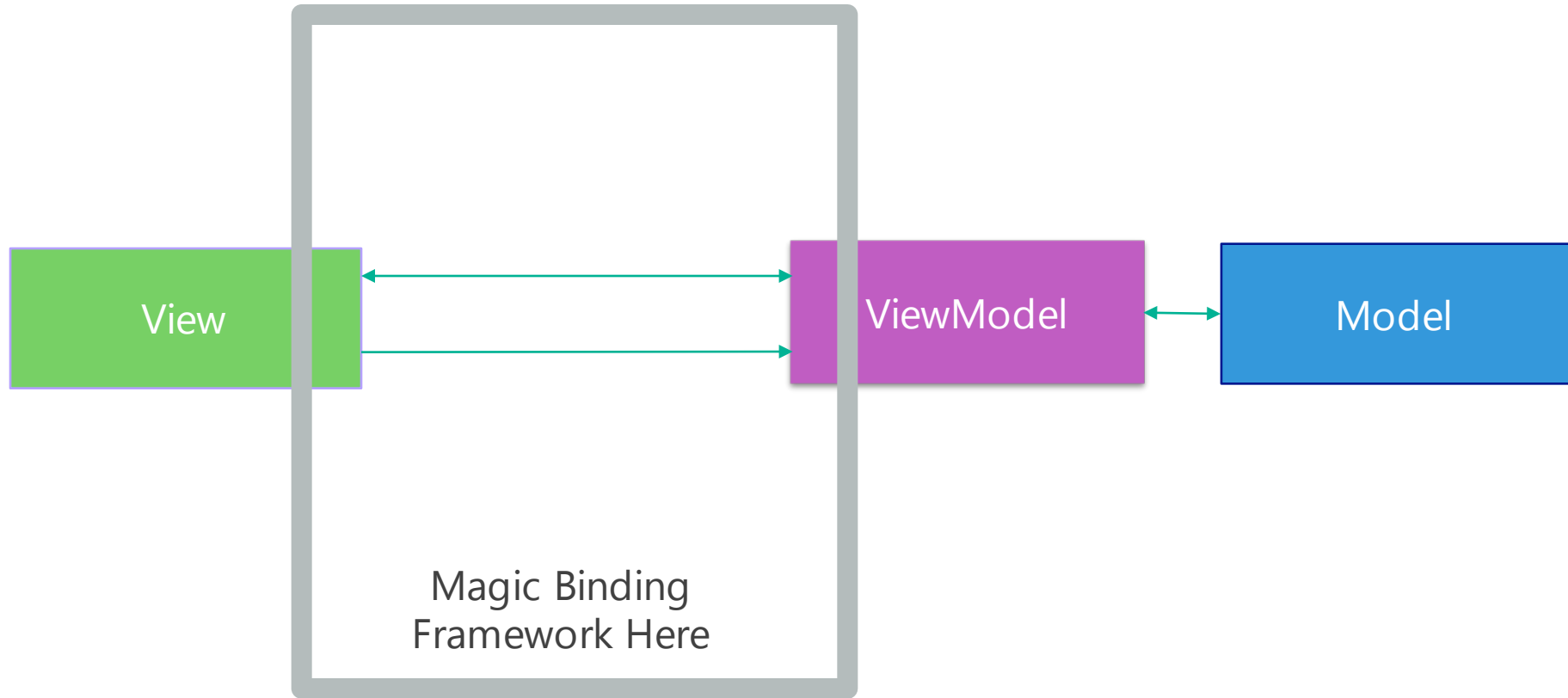(Properties, Commands, etc.)

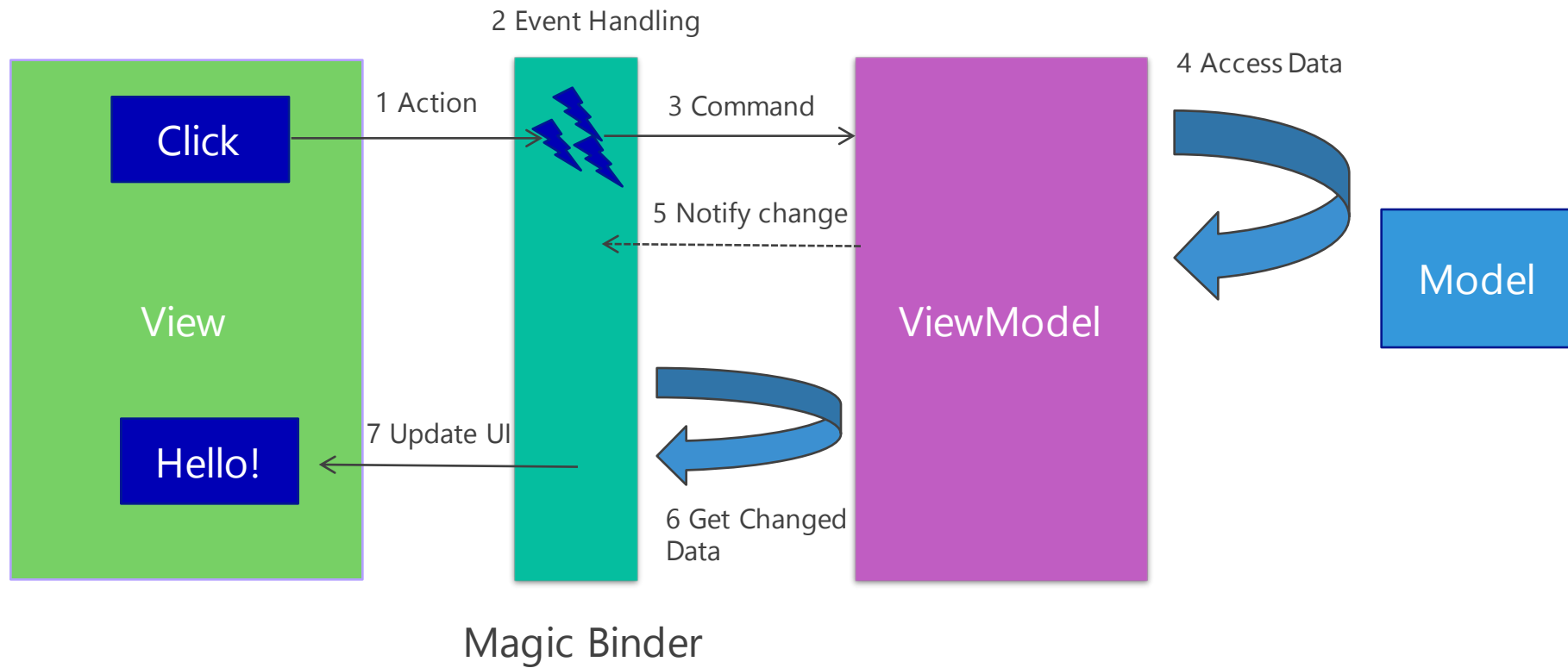Shared C# Backend

Models: Data, Services, Etc.

MVVM != Data Binding

MVVM Framework == Data Binding

Data Binding

Overview -> Data + Commanding

Microsoft World

- Built Into
  - Windows Phone
  - Windows Store
  - WPF

- Provides
  - Data Binding
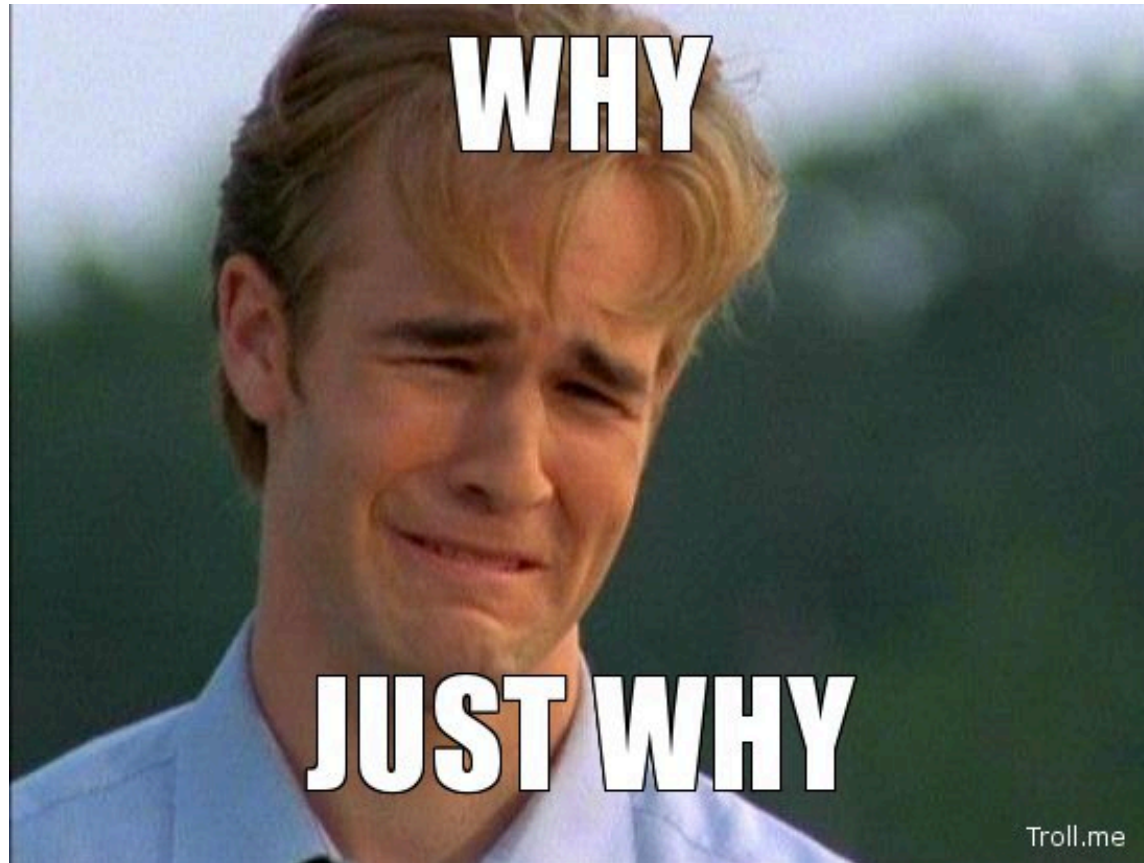 - Commanding

- Does NOT Provide
  - Navigation
  - IoC/Dependency Service
  - Messaging Center

Xamarin.Forms

- Built In!
- Provides
  - Data Binding
  - Commanding
  - Navigation
  - IoC/Dependency Service
  - Messaging Center

Xamarin.iOS & Xamarin.Android

Nothing Built In ☹

Frameworks!
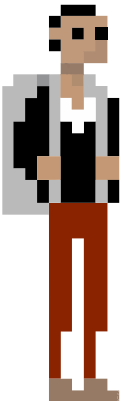

MVVM Light

MVVMCross

Bind

https://github.com/praeclarum/Bind

Let's Build Our Own!

Resources

- Awesome Microsoft Docs
  bit.ly/ms-mvvm
- MVVM Light + Xamarin
  - bit.ly/mvvmlight-xamarin
- Xamarin.Forms + XAML & MVVM
  - bit.ly/xamarin-forms-mvvm
- MVVMCross
  - https://github.com/MvvmCross/MvvmCross
- MVVM Announcement Blog by John Gossman
  - http://blogs.msdn.com/b/johngossman/archive/2005/10/08/478683.aspx
- Motz Codes Live:
  - https://www.youtube.com/user/jamesmontemagno
  - https://github.com/jamesmontemagno/MotzCodesLive

Thank you. Questions?

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