XAMARIN DEVELOPERS
VIEWNAM

Hanoi 2017

Xamarin DEV DAYS

PATTERNS AND PRACTICES IN XAMARIN

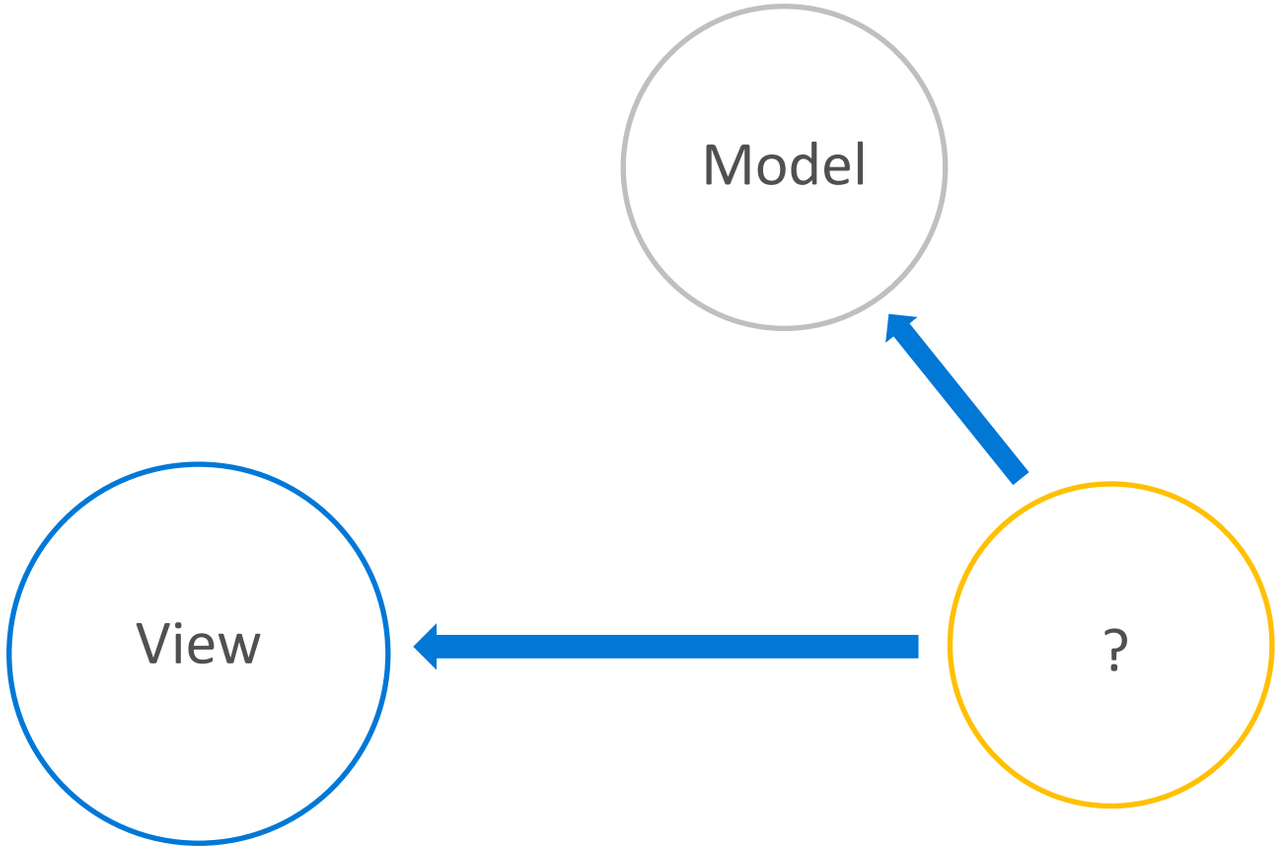
Tuyến Vũ
NAXAM
tuyen@naxam.net | @tuyen_vuduc | vuductuyen.com

Xamarin

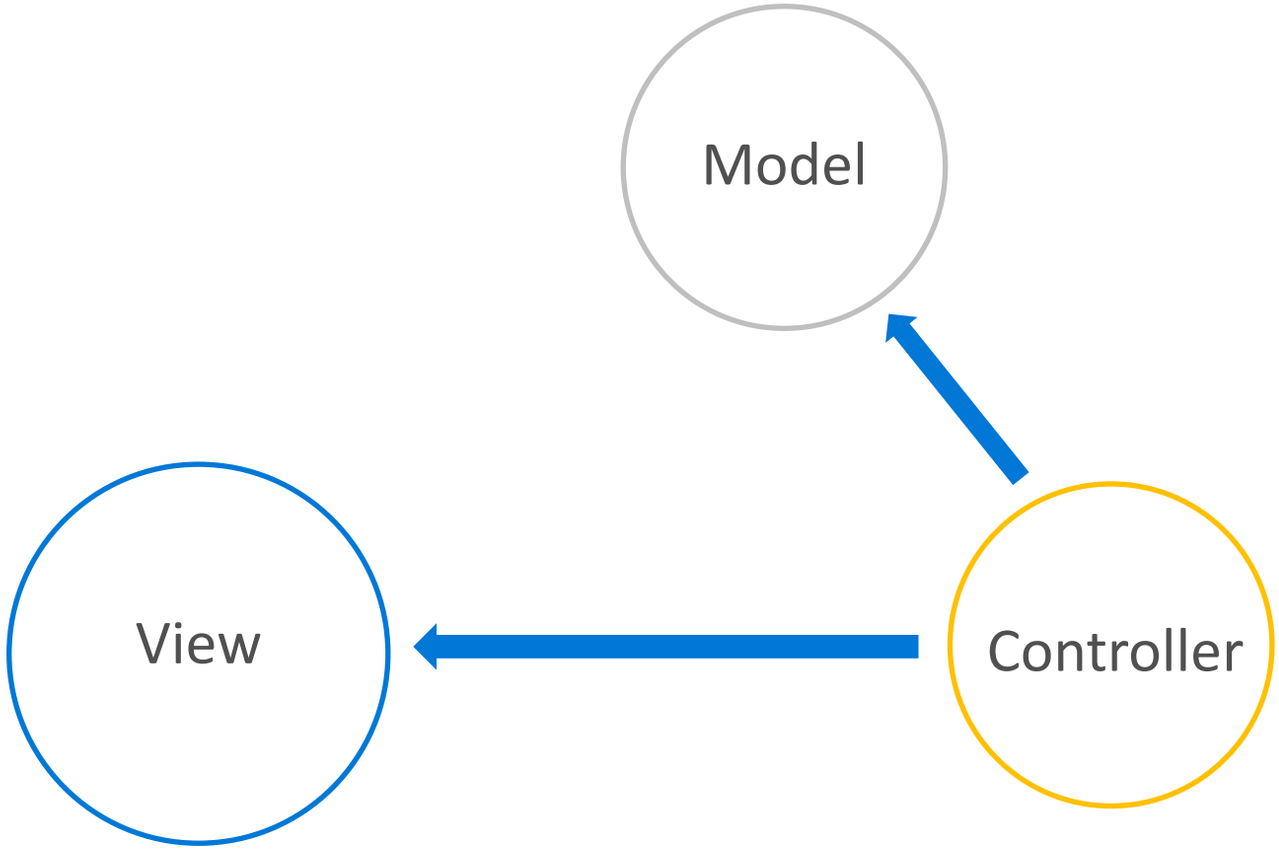
DEV DAYS

Slides, Demos, & Lab - Clone or Download:
https://github.com/tuyen-vuduc/xamarindevdays-hanoi2017

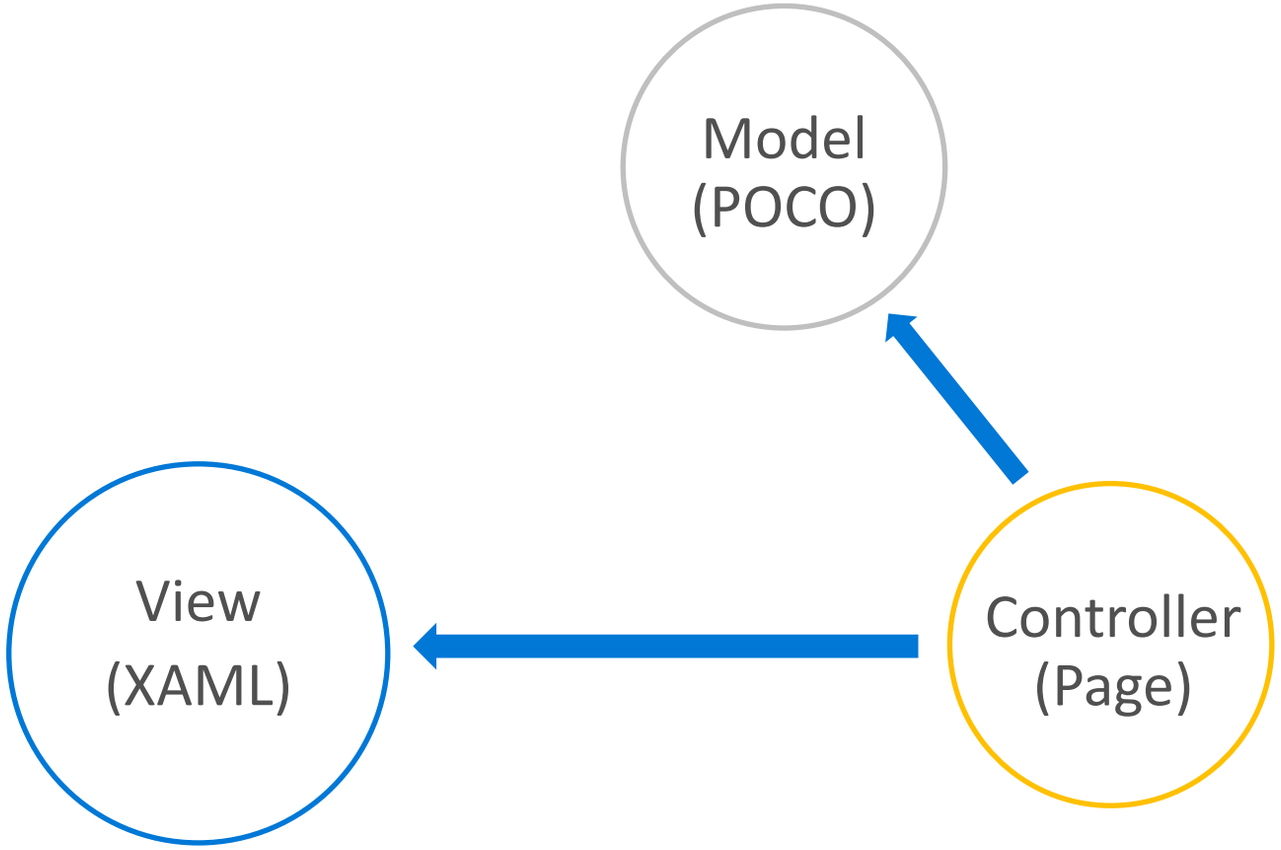
MVC, MVP or MVVM



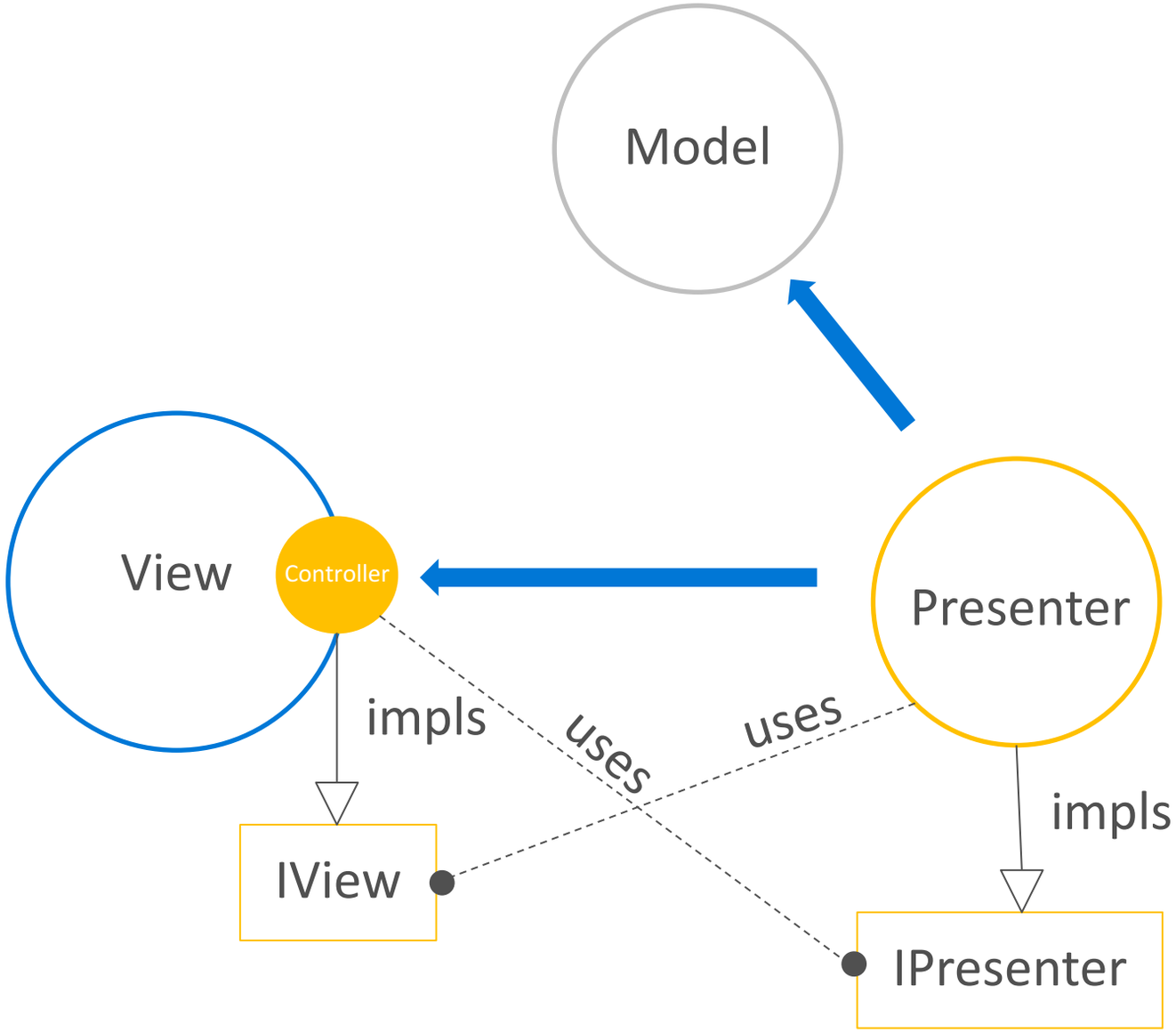
MVC



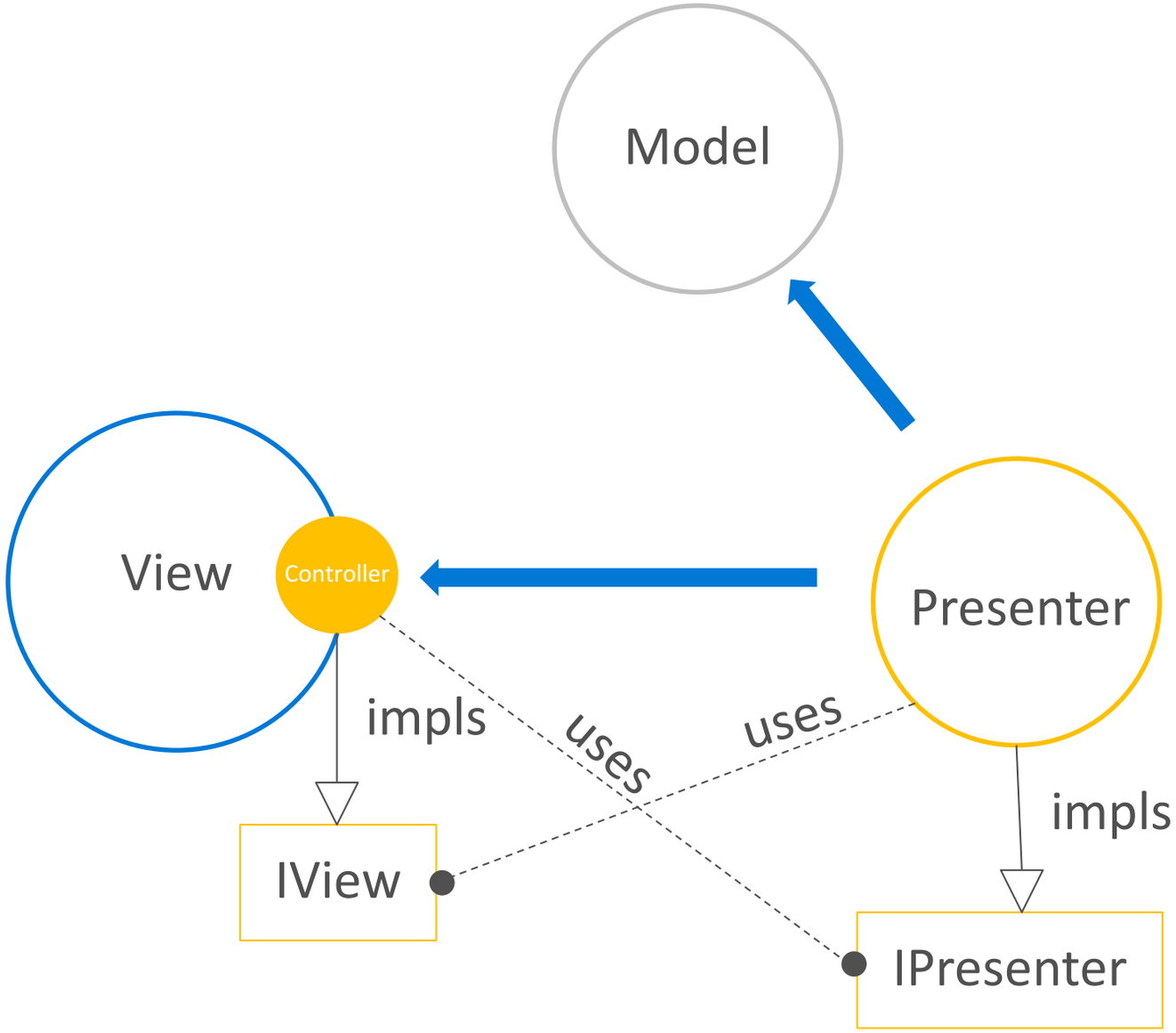
MVC in Xamarin.Forms



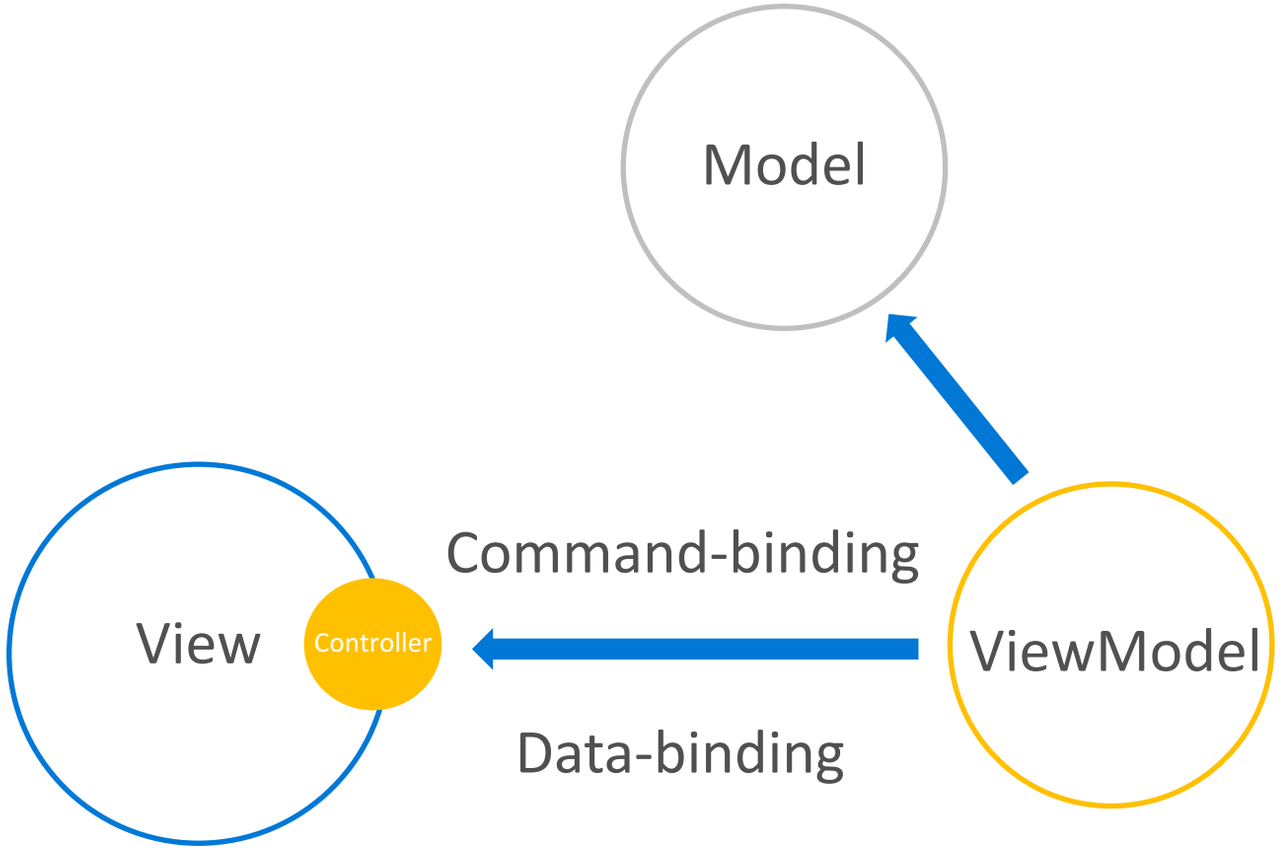
MVP doesn’t replace MVC



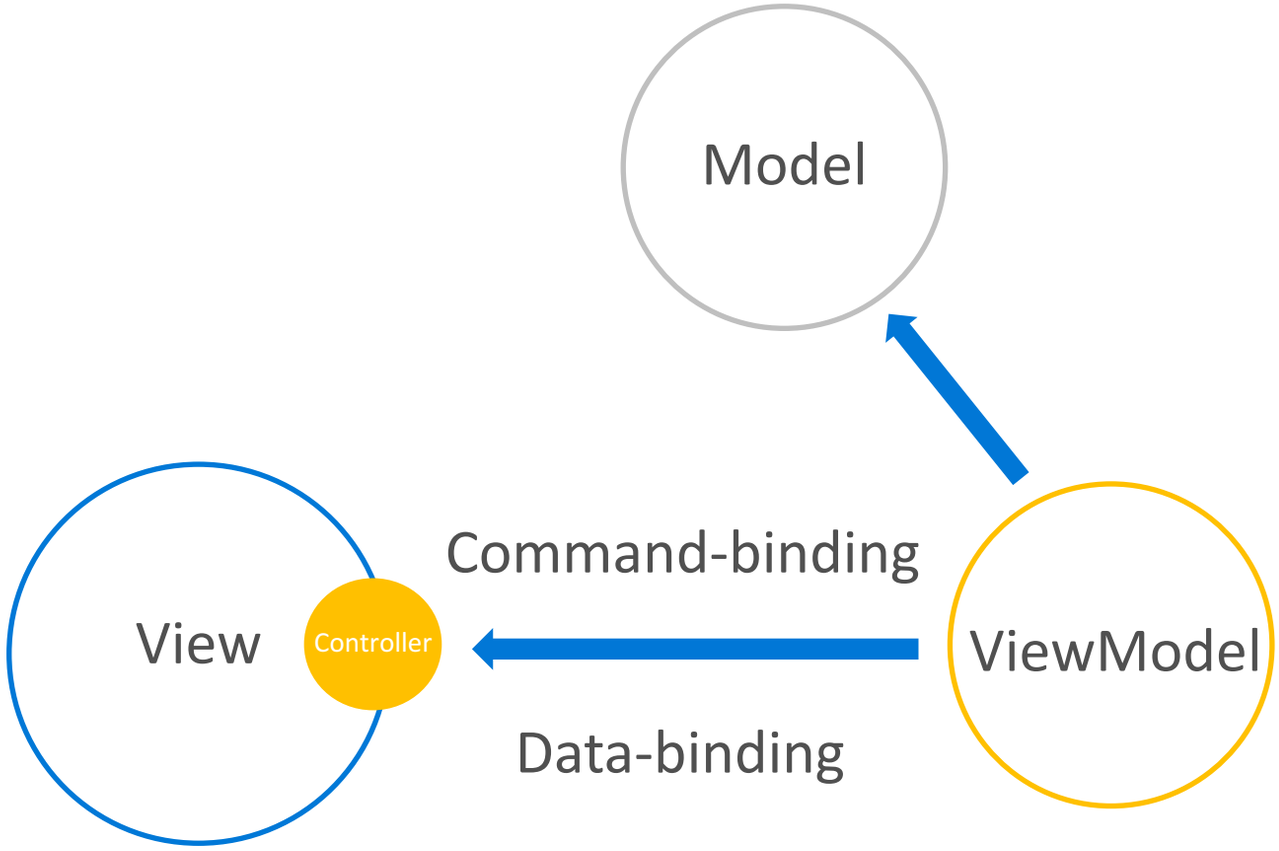
MVP in Xamarin.Forms



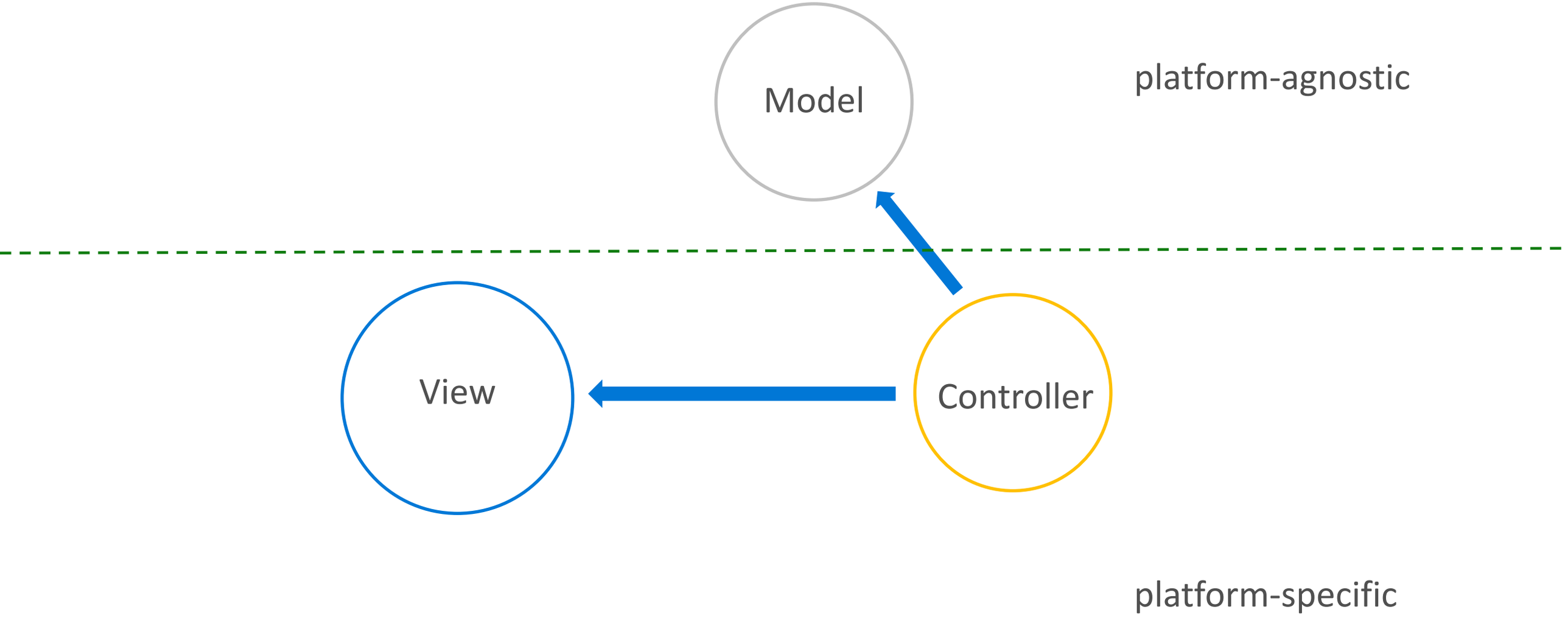
MVVM is based on MVP



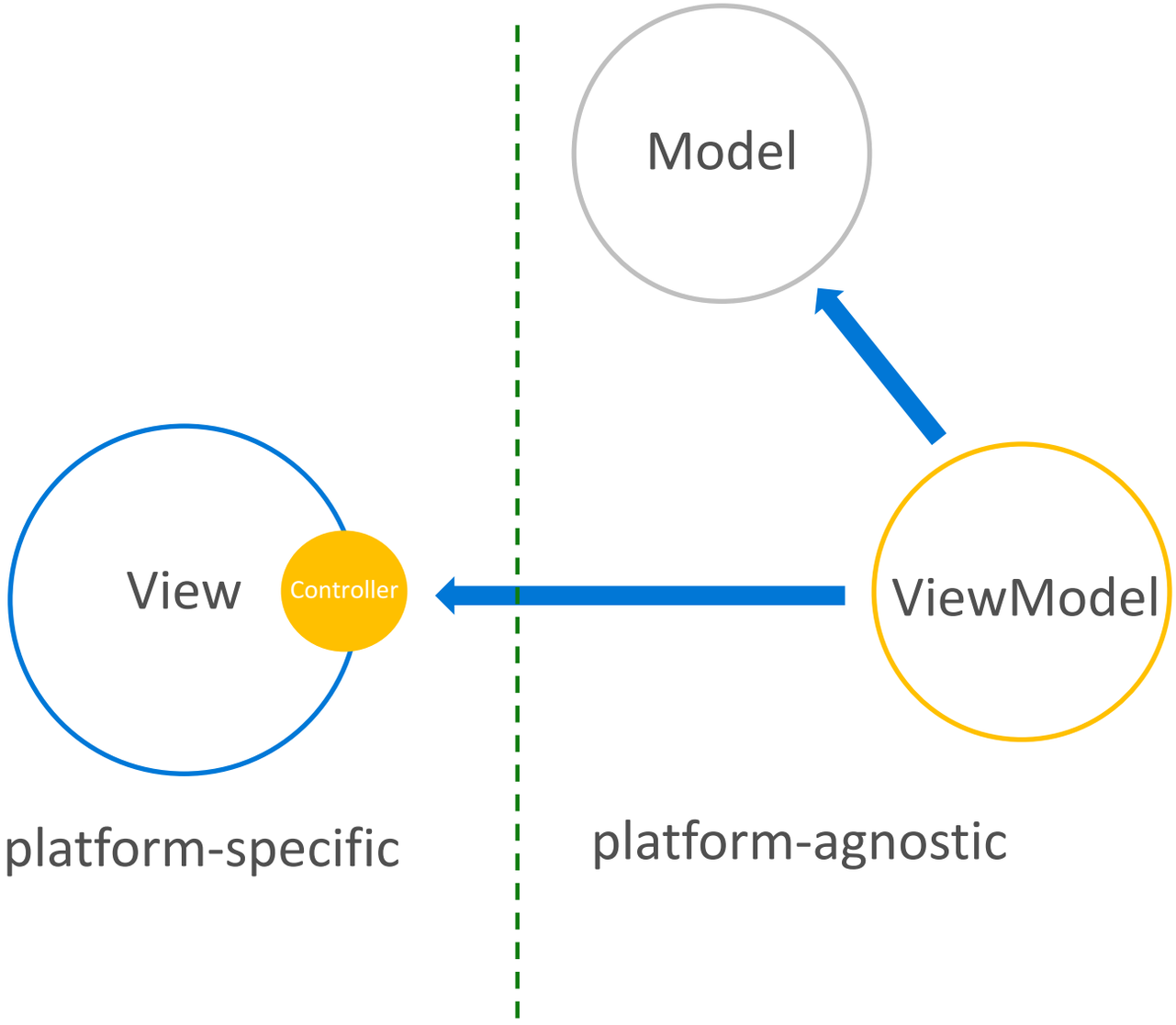
MVVM is default in Xamarin.Forms



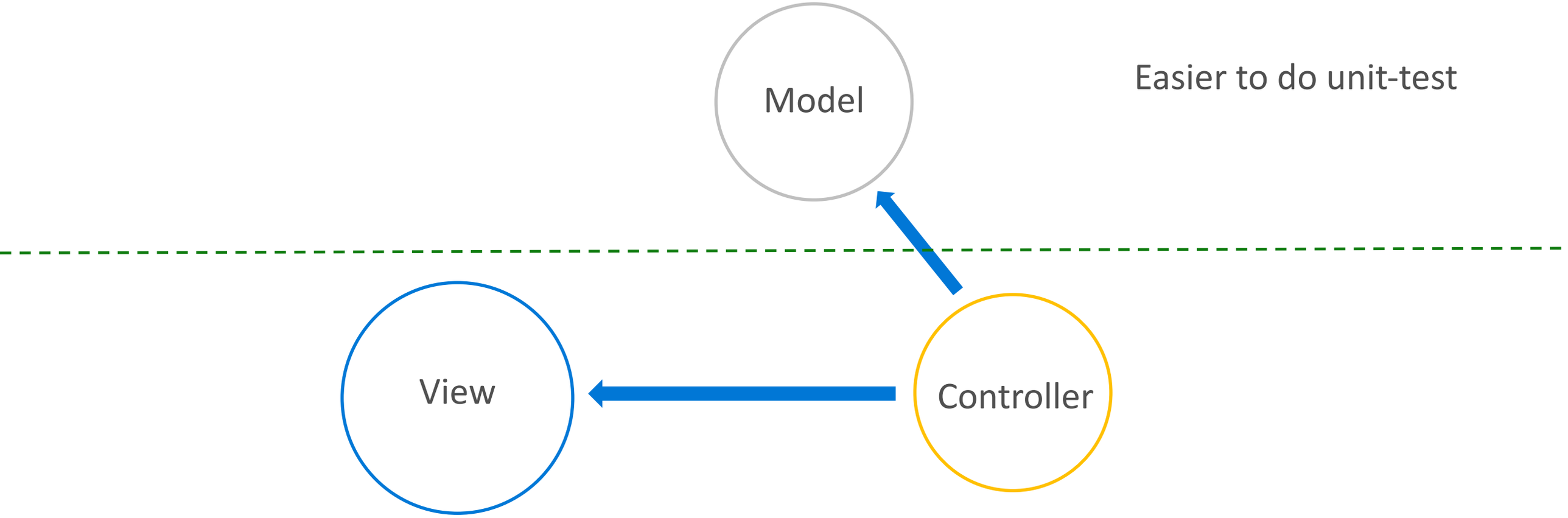
MVC is platform-dependent



MVVM makes our business logic more portable



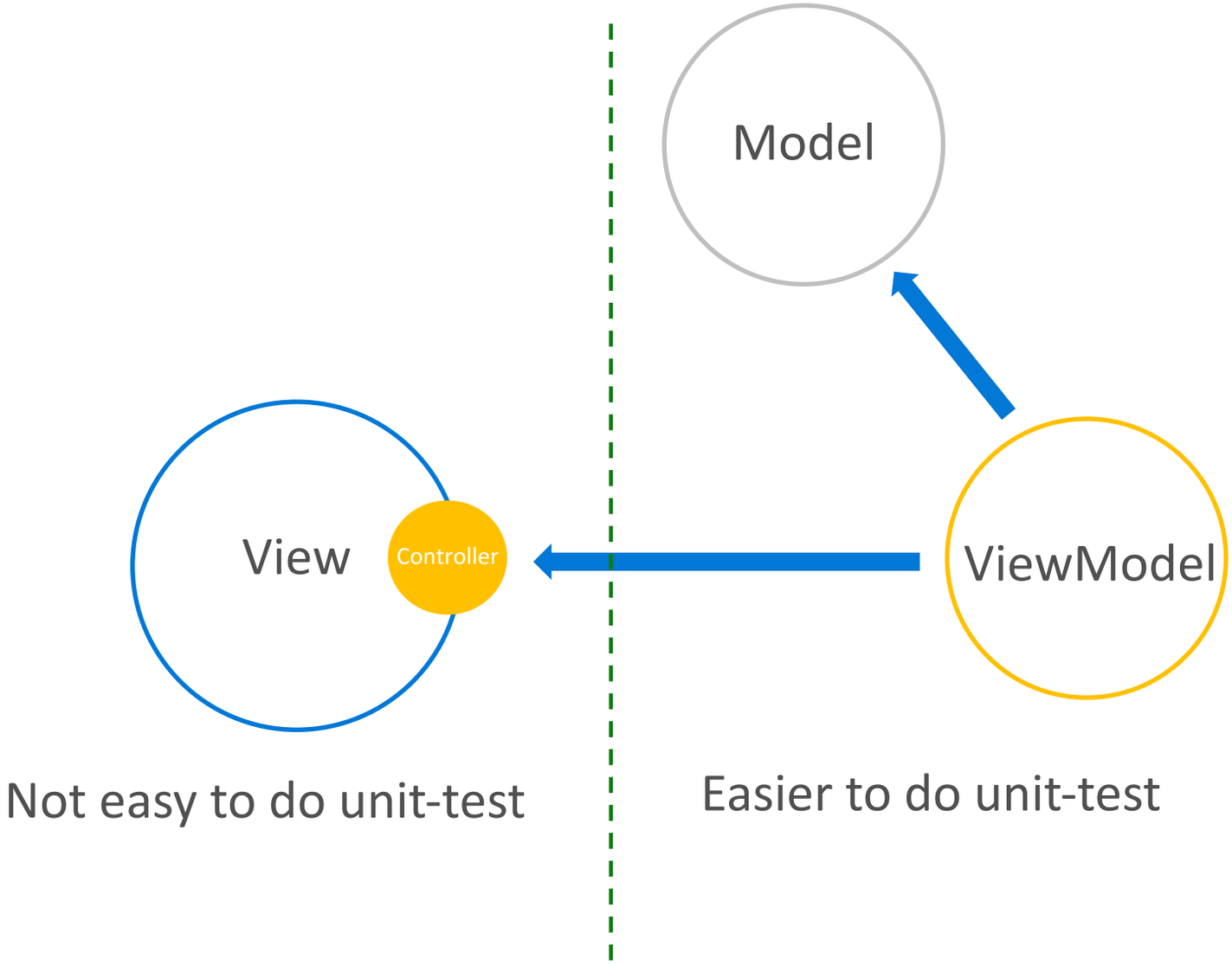
MVC with Unit Testing



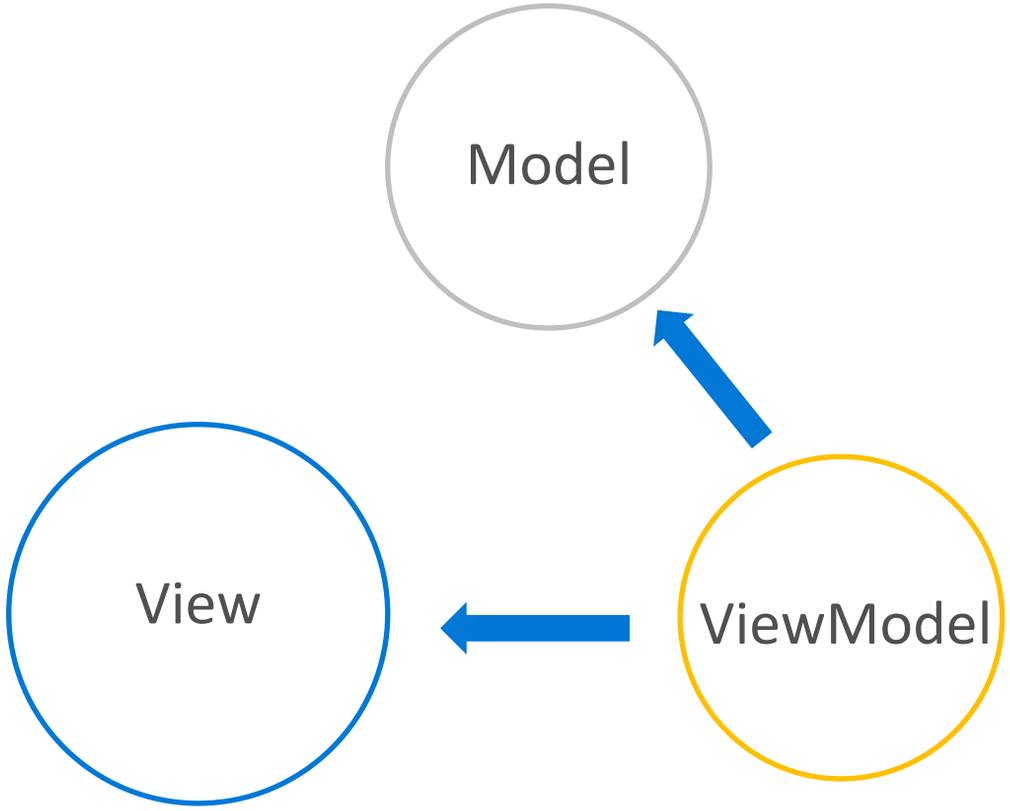
Easier to do unit-test

Not easy to do unit-test

MVVM with Unit Testing



MVVM isn’t all



We also need

- ❑ Check Connectivity
- ❑ Work with remote data services
- ❑ Work with local database
- ❑ Consume platform features

MVVM isn’t all

Repository

Service Locator

MVVM

Factory

Dependency Injection

MVVM frameworks

Prism

- A powerful, easy-to-use framework for Xamarin.Forms
- Compatible w/ various kinds of IoC containers
- Navigation customized by extending INavigationService

MvvmCross

- All MVVM features brought to Xamarin.Native
- Navigation customized by extending MvxPresenter

Thank you!

Tuyen Vu
Naxam
Patterns and Practices in Xamarin

tuyen@naxam.net vuductuyen.com @tuyen_vuduc