

微软技术大会

Microsoft Ignite China

Xamarin开发经验分享

卢建晖

Xamarin MVP/Microsoft MVP

议程

UI的事

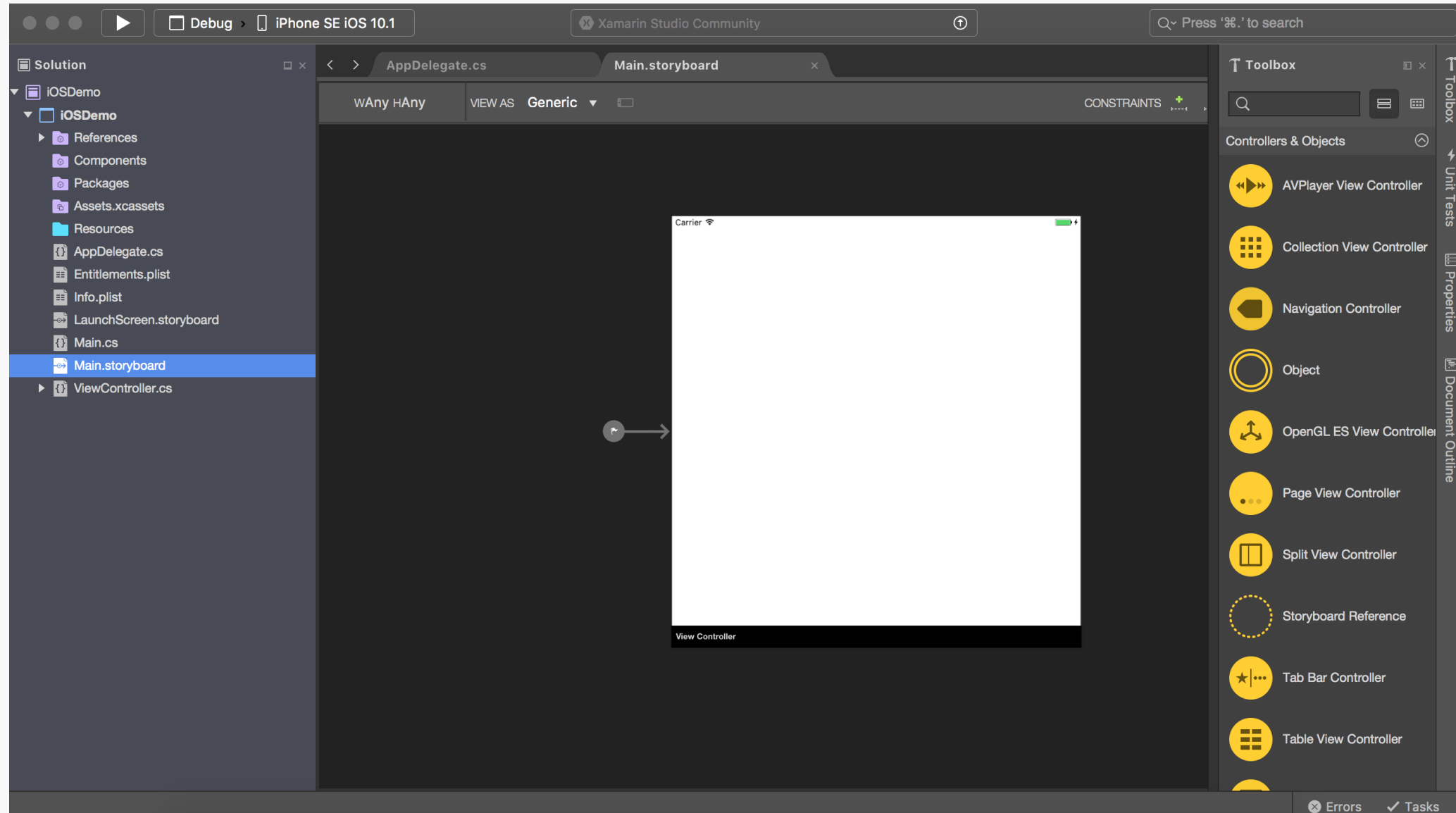
SDK的事

第三方库的事

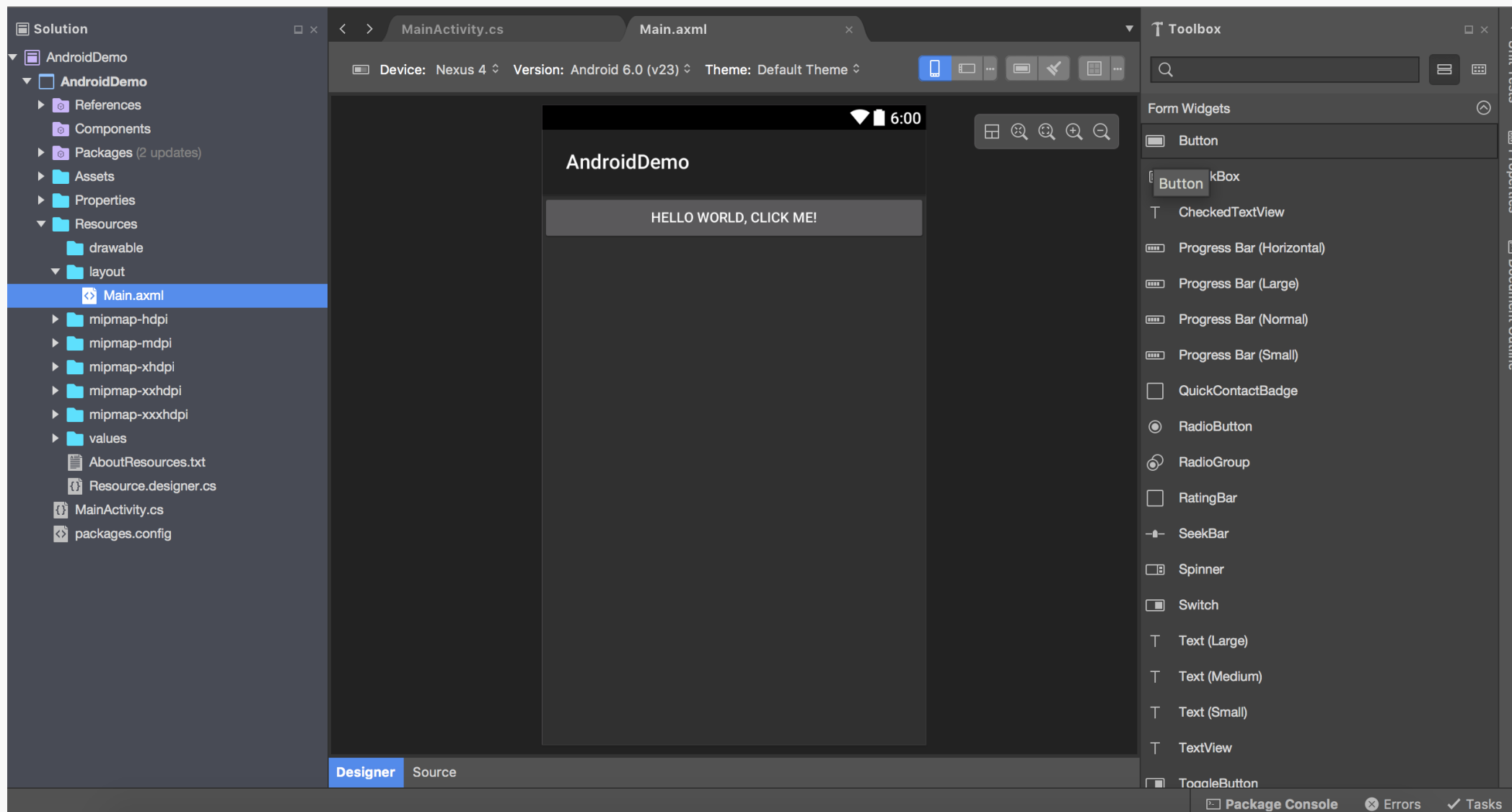
架构的事

UI@Xamarin

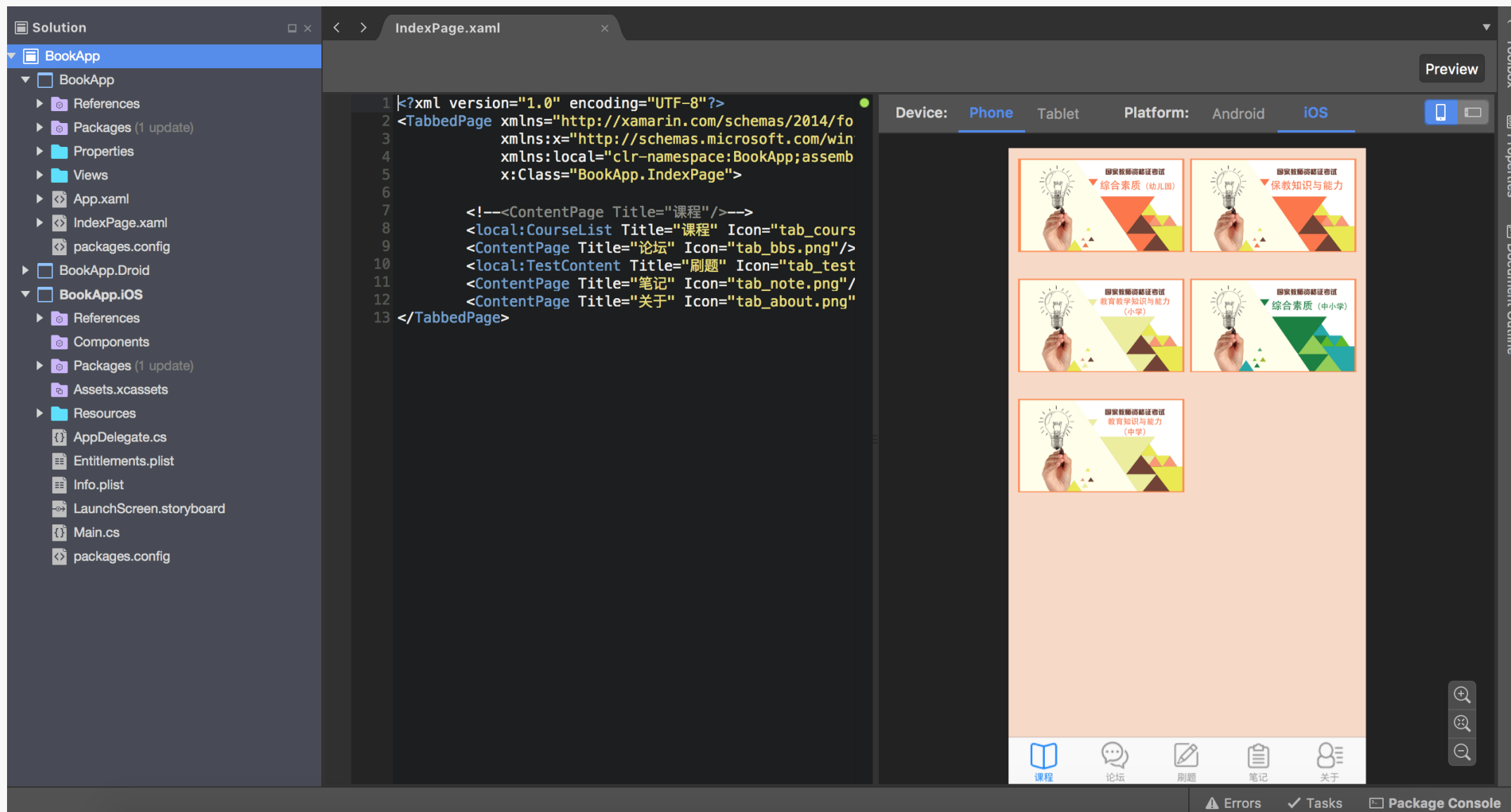
UI如何做？



UI如何做？



UI如何做？



UI 方式如何选择？

Native UI

Xamarin Forms

Xamarin.Forms + Native UI

```
<?xml version="1.0" encoding="utf-8"?>
<ContentPage xmlns="http://xamarin.com/schemas/2014/forms"
    xmlns:x="http://schemas.microsoft.com/winfx/2009/xaml"
    xmlns:ios="clr-namespace:UIKit;assembly=Xamarin.iOS;targetPlatform=iOS"
    xmlns:androidWidget="clr-namespace:Android.Widget;assembly=Mono.Android;"
    xmlns:formsandroid="clr-namespace:Xamarin.Forms;assembly=Xamarin.Forms.F
    xmlns:win="clr-namespace:Windows.UI.Xaml.Controls;assembly=Windows, Vers
    x:Class="NativeViewDeclaration.NativeViewDeclarationPage">
    <ContentPage.Content>
        <ios:UILabel Text="Native Text" View.HorizontalOptions="Start"/>
        <androidWidget:TextView Text="Native Text" x:Arguments="{x:Static formsandroi
        <win:TextBlock Text="Native Text"/>
    </ContentPage.Content>
</ContentPage>
```

Xamarin.Forms 开源

<https://github.com/xamarin/Xamarin.Forms>



Xamarin.Forms

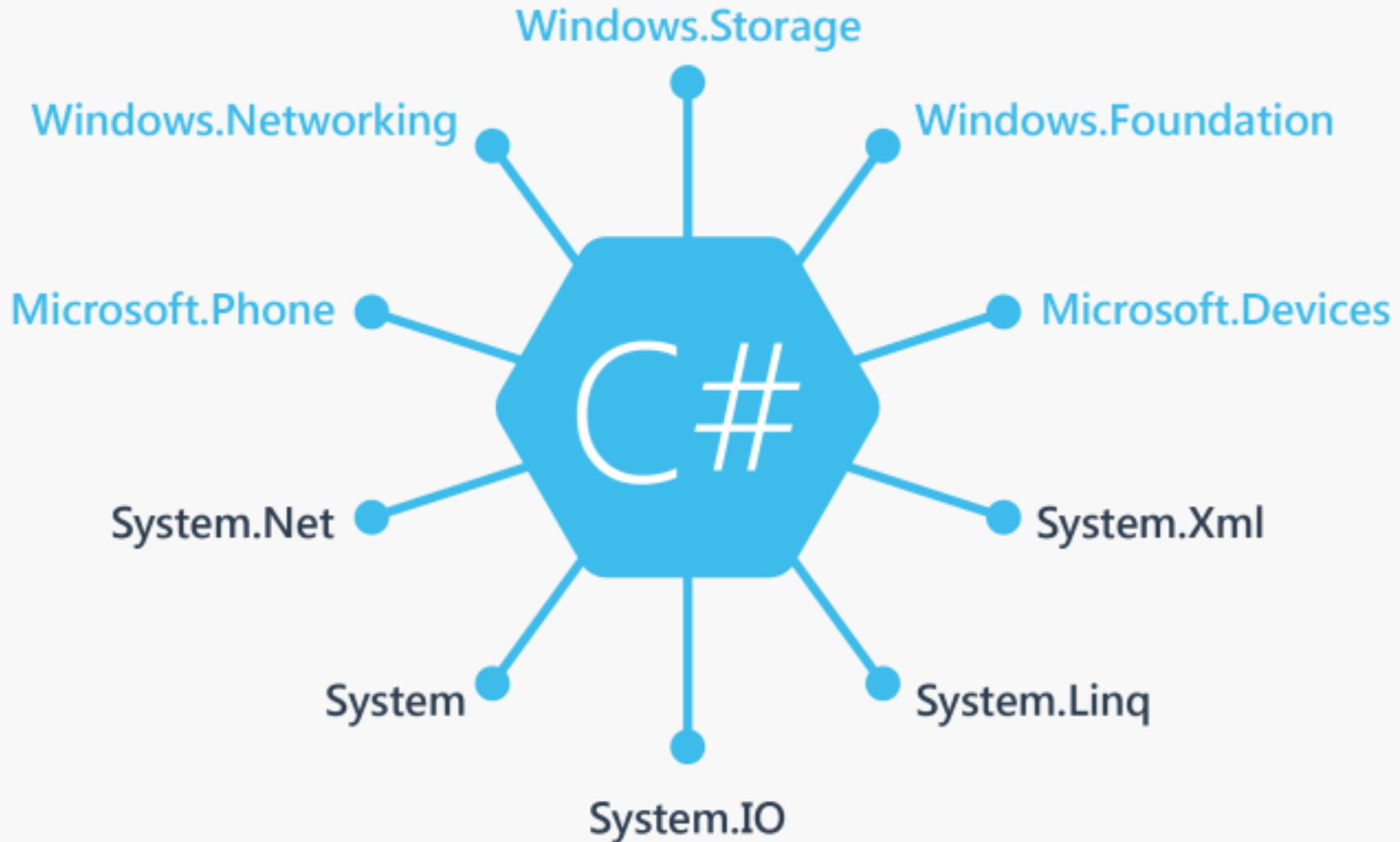
Native UIs for iOS, Android, and
Windows from a single, shared
codebase

Demo

SDK@Xamarin

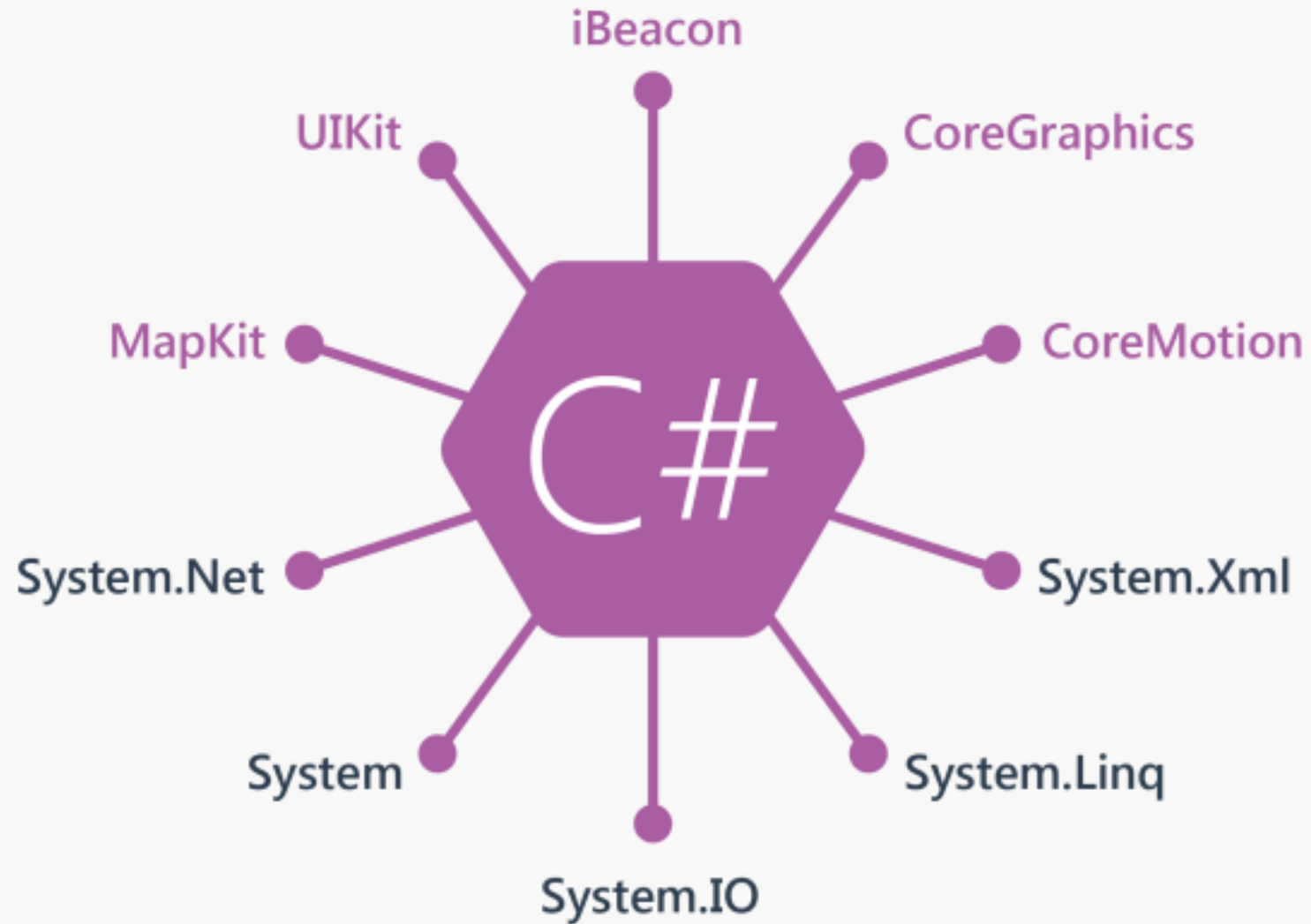
Windows APIs

100% coverage with .NET



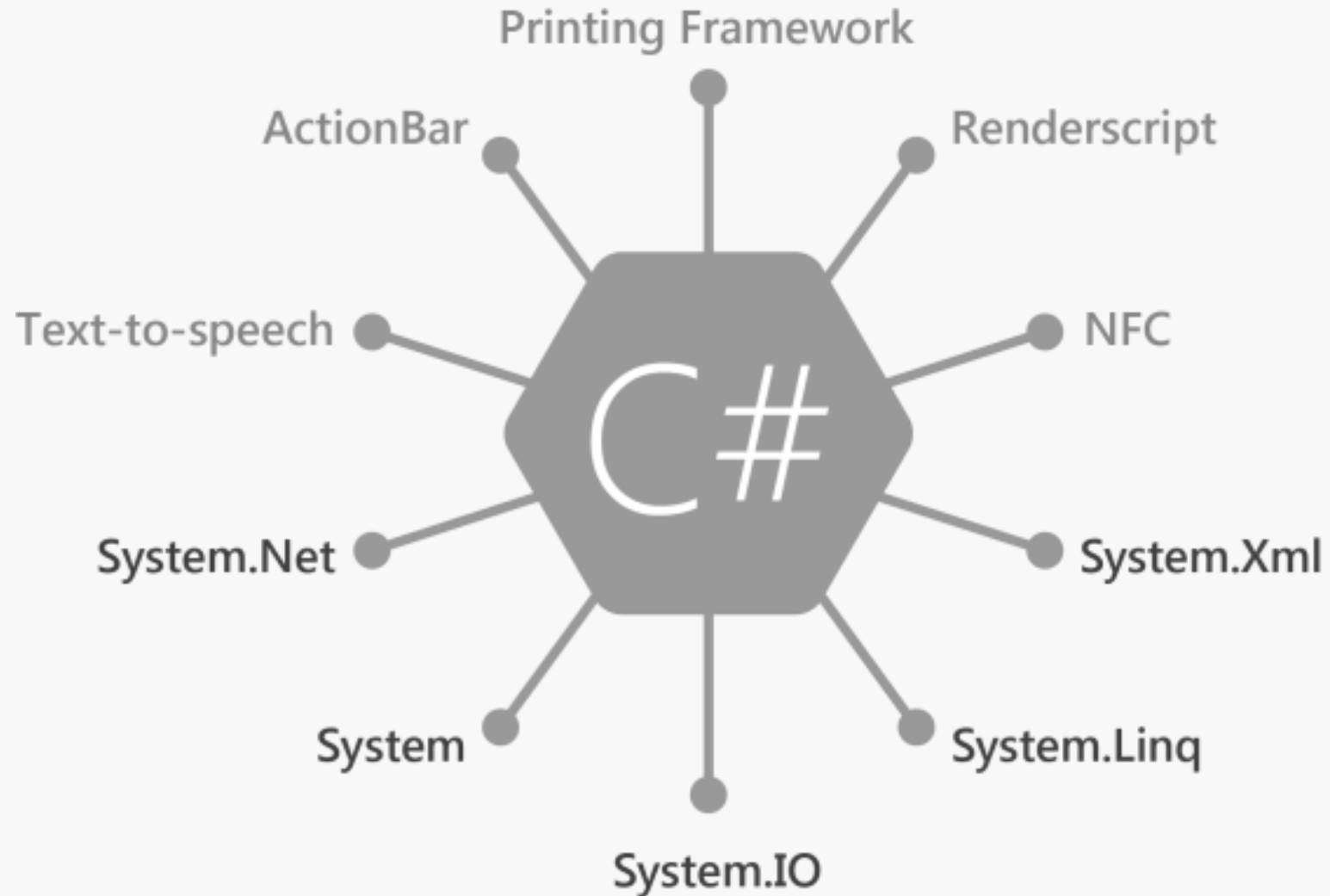
iOS APIs

100% coverage with Xamarin



Android APIs

100% coverage with Xamarin



iOS 10 Callkit@Xamarin

第三方支持@Xamarin

第三方支持

All Components

CATEGORIES

All Components

Cloud Services

Libraries

User Interface

Plugins

Themes

Game Development

Prime Components

TAGS

• iOS

• Android

• Windows

Xamarin Components

Suggest a Component

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5

6


Next

 **AWSSDK - Amazon Simple Storage Service** by Amazon Web Services

Free

★★★★★


AWS S3 SDK for Xamarin

 **Azure Mobile Client SDK** by Microsoft

Free

★★★★★ 6 ratings


Store data in the cloud, authenticate users, and send push notifications.

 **IBM MobileFirst SDK** by IBM

Free

★★★★★ 5 ratings


Integrate your Xamarin apps with IBM MobileFirst Platform.

 **Microsoft Band SDK** by Xamarin Inc

Free

★★★★★ 7 ratings


Extend the experience of your application to your users' wrists via a new dimension of interaction.

 **Oracle Mobile Cloud Service SDK** by Xamarin Inc

Free

★★★★★ 1 rating

Connect to Oracle MCS for data storage, user authentication, push notifications, and more.

 **Scandit Barcode Scanner SDK** by Scandit

Free

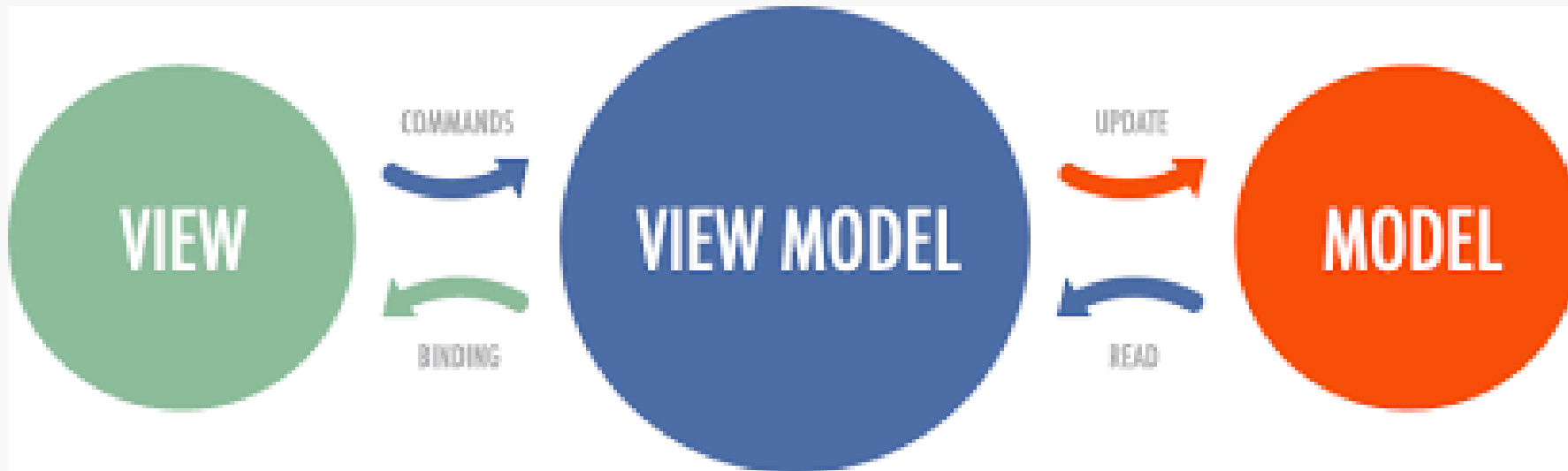
★★★★★ 16 ratings

Enterprise-Grade Barcode Scanning for your Mobile App

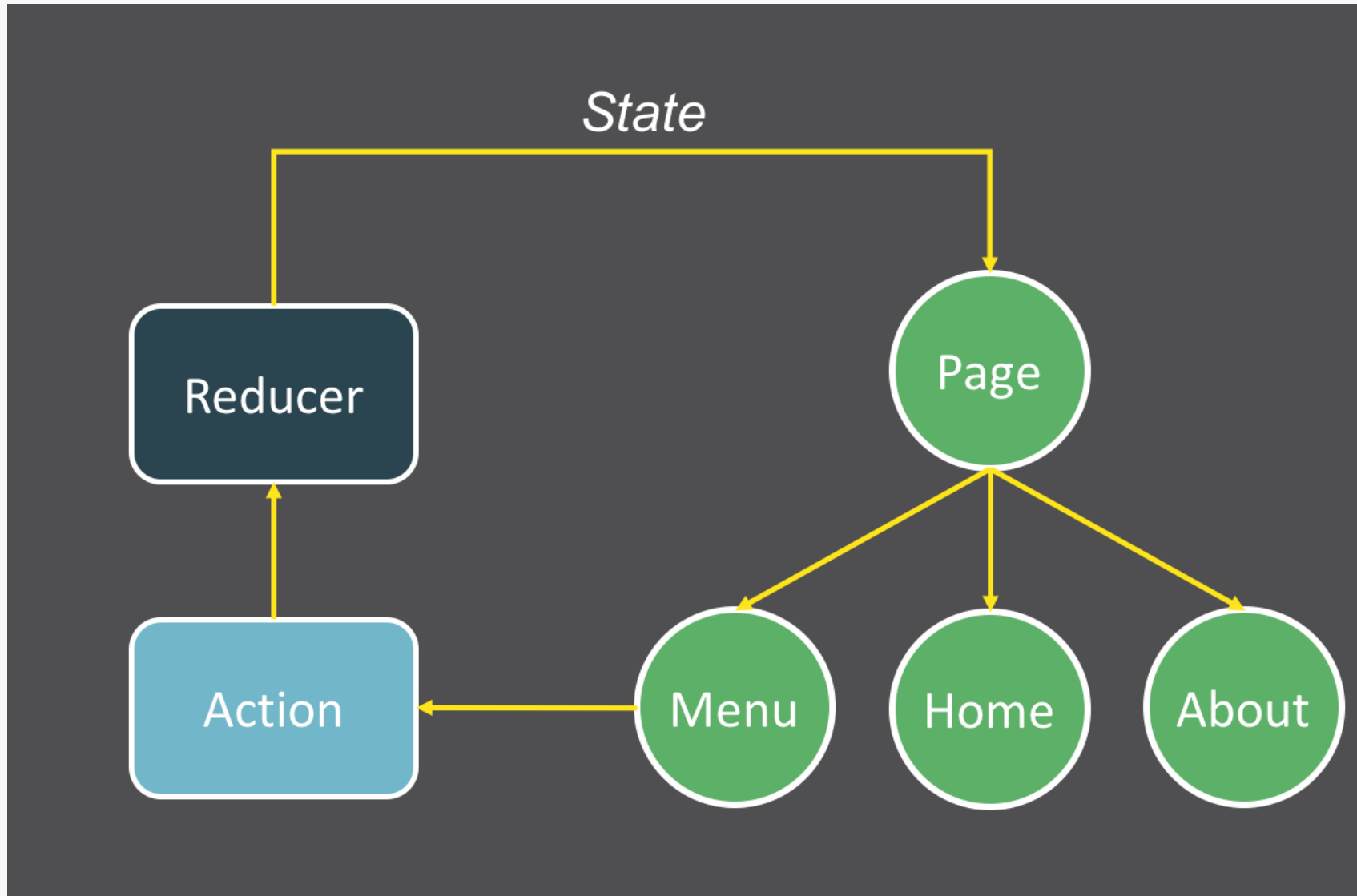
Bass.Net@Xamarin

架构@Xamarin

MVVM



Redux



Redux vs MVVM



数据状态变得稳定
同时行为可预测

所有的数据变更都
发生在store里

数据的渲染
是自上而下的

组建化

Redux 更适应数据驱动为核心的移动应用开发



Redux.NET

Redux.NET + Xamarin

问答