

Good  
Afternoon





It's always  
good to start  
off with an  
excuse.



Yesterday, I did a  
4 hour workshop  
in a room that  
was rather warm.





When I woke up today, my voice was about half of normal.



And while it's  
better this  
afternoon ...





I can't  
guarantee it  
will last the  
entire hour.





So I hope you understand  
and that these cute pictures  
of my dogs make up for it.

# A Lap Around Xamarin

Douglas Starnes  
June 2, 2017  
Music City Code



Why? What? Who? When?  
Where?

Why? What? Who? When?  
Where?

Pronounced 'Zamarin' (think 'xylophone')

# Why? What? Who? When? Where?

Pronounced 'Zamarin' (think 'xylophone')

Native .NET binding to iOS and Android APIs



# Why? What? Who? When? Where?

Pronounced 'Zamarin' (think 'xylophone')

Native .NET binding to iOS and Android APIs

Can consume existing native libraries (Objective-C, Swift, Java)

# Why? What? Who? When? Where?

Pronounced 'Zamarin' (think 'xylophone')

Native .NET binding to iOS and Android APIs

Can consume existing native libraries (Objective-C, Swift, Java)

Up to 70% code reuse across platforms

# Why? What? Who? When? Where?

Pronounced 'Zamarin' (think 'xylophone')

Native .NET binding to iOS and Android APIs

Can consume existing native libraries (Objective-C, Swift, Java)

Up to 70% code reuse across platforms

Also supports macOS, watchOS, Android Wear, tvOS



# Why? What? Who? When? Where?

Pronounced 'Zamarin' (think 'xylophone')

Native .NET binding to iOS and Android APIs

Can consume existing native libraries (Objective-C, Swift, Java)

Up to 70% code reuse across platforms

Also supports macOS, watchOS, Android Wear, tvOS

Share code with existing .NET apps

# Why? What? Who? When? Where?

Pronounced 'Zamarin' (think 'xylophone')

Native .NET binding to iOS and Android APIs

Can consume existing native libraries (Objective-C, Swift, Java)

Up to 70% code reuse across platforms

Also supports macOS, watchOS, Android Wear, tvOS

Share code with existing .NET apps

Purchased by Microsoft in March 2016

# Why? What? Who? When? Where?

Pronounced 'Zamarin' (think 'xylophone')

Native .NET binding to iOS and Android APIs

Can consume existing native libraries (Objective-C, Swift, Java)

Up to 70% code reuse across platforms

Also supports macOS, watchOS, Android Wear, tvOS

Share code with existing .NET apps

Purchased by Microsoft in March 2016

//build 2016



# Tooling

# Tooling

Xamarin Studio for macOS

# Tooling

Xamarin Studio for macOS

Supports iOS, Android, macOS



# Tooling

Xamarin Studio for macOS

Supports iOS, Android, macOS

Free Xamarin Studio Community Edition for all

# Tooling

Xamarin Studio for macOS

Supports iOS, Android, macOS

Free Xamarin Studio Community Edition for all

Visual Studio for Windows

# Tooling

Xamarin Studio for macOS

Supports iOS, Android, macOS

Free Xamarin Studio Community Edition for all

Visual Studio for Windows

Supports iOS, Android, Windows Phone

# Tooling

Xamarin Studio for macOS

- Supports iOS, Android, macOS

- Free Xamarin Studio Community Edition for all

Visual Studio for Windows

- Supports iOS, Android, Windows Phone

- Must still have a Mac to remotely compile iOS apps



# Tooling

Xamarin Studio for macOS

- Supports iOS, Android, macOS

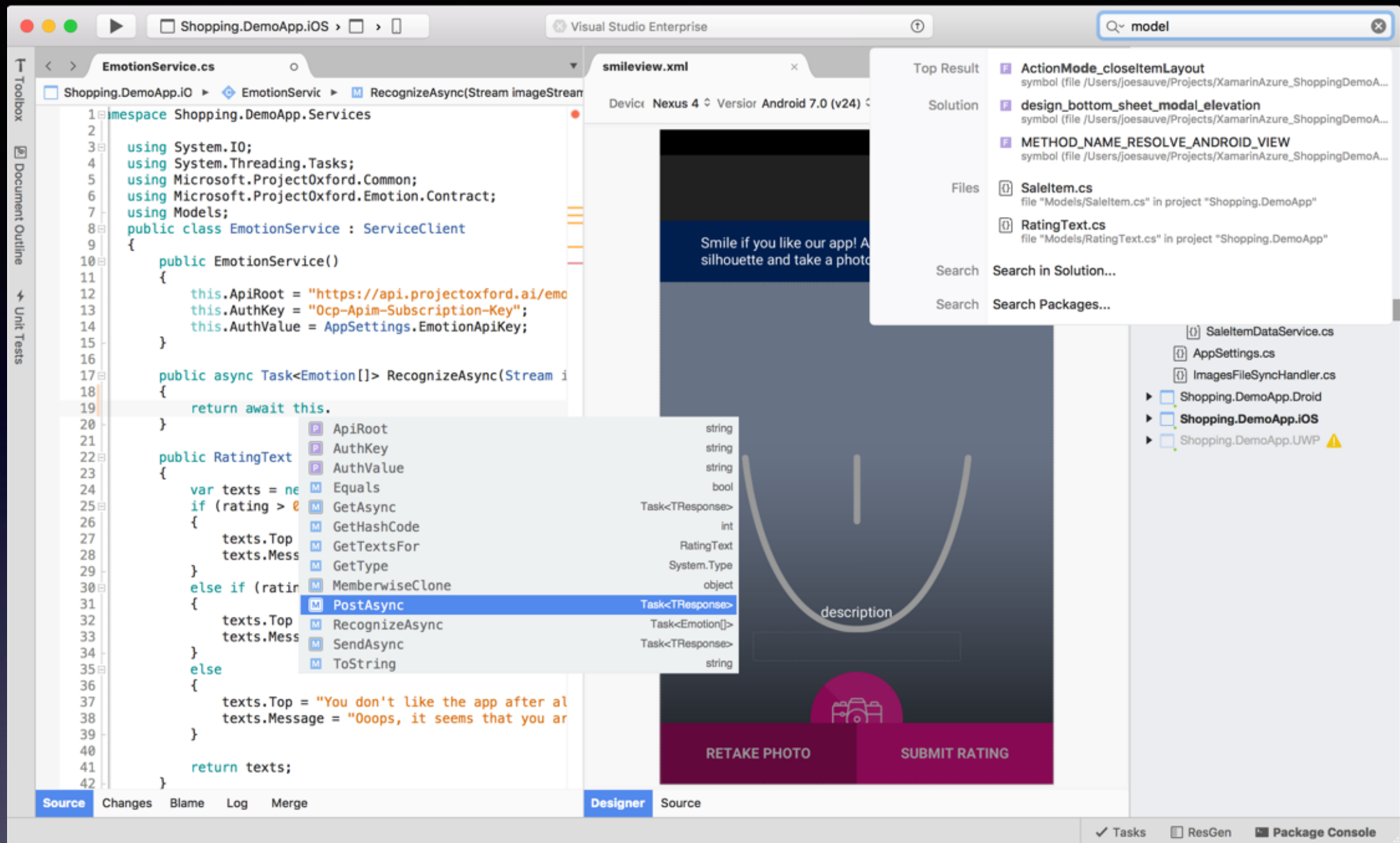
- Free Xamarin Studio Community Edition for all

Visual Studio for Windows

- Supports iOS, Android, Windows Phone

- Must still have a Mac to remotely compile iOS apps

- All SKUs supported at no extra charge including free Community Edition



# Visual Studio for Mac

(yes, for Mac!)



```
class ViewController: UIViewController {
    var data = ["iOS", "Android", "Xamarin", "UWP", "Ionic", "NativeScript", "PhoneGap"]
    // lifecycle events here
}

extension ViewController: UITableViewDataSource {
    func numberOfSections(in tableView: UITableView) -> Int {
        return 1
    }

    func tableView(_ tableView: UITableView, numberOfRowsInSectionSection section: Int) -> Int {
        return data.count
    }

    func tableView(_ tableView: UITableView, cellForRowAt indexPath: IndexPath) -> UITableViewCell {
        let cell = tableView.dequeueReusableCell(withIdentifier: "cellId", for: indexPath)
        cell.textLabel?.text = data[indexPath.row]
        return cell
    }
}
```



```

class ViewController: UIViewController {
    var data = ["iOS", "Android", "Xamarin", "UWP", "Ionic", "NativeScript", "PhoneGap"]
    // lifecycle events here
}

extension ViewController: UITableViewDataSource {
    func numberOfSections(in tableView: UITableView) -> Int {
        return 1
    }

    func tableView(_ tableView: UITableView, numberOfRowsInSection section: Int) -> Int {
        return data.count
    }

    func tableView(_ tableView: UITableView, cellForRowAt indexPath: IndexPath) -> UITableViewCell {
        let cell = tableView.dequeueReusableCell(withIdentifier: "cellId", for: indexPath)
        cell.textLabel?.text = data[indexPath.row]
        return cell
    }
}

```

---

```

public partial class ViewController : UIViewController
{
    public override void ViewDidLoad()
    {
        base.ViewDidLoad();
        // Perform any additional setup after loading the view, typically from a nib.
        tableView.Source = new DemoSource();
    }
}

public class DemoSource : UITableViewSource
{
    private List<String> data = new List<String>()
    {
        "iOS", "Android", "Xamarin", "UWP", "Ionic", "NativeScript", "PhoneGap"
    };

    public DemoSource()
    {
    }

    public override UITableViewCell GetCell(UITableView tableView, NSIndexPath indexPath)
    {
        var cell = tableView.DequeueReusableCell("cellId", indexPath);
        cell.TextLabel.Text = data[indexPath.Row];
        return cell;
    }

    public override nint RowsInSection(UITableView tableview, nint section)
    {
        return data.Count;
    }
}

```



```
Button button = (Button)findViewById(R.id.btnClickMe);

button.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        // more code here
    }
});
```

```
Button button = (Button)findViewById(R.id.btnClickMe);

button.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        // more code here
    }
});
```

---

```
protected override void onCreate(Bundle savedInstanceState)
{
    base.onCreate(savedInstanceState);

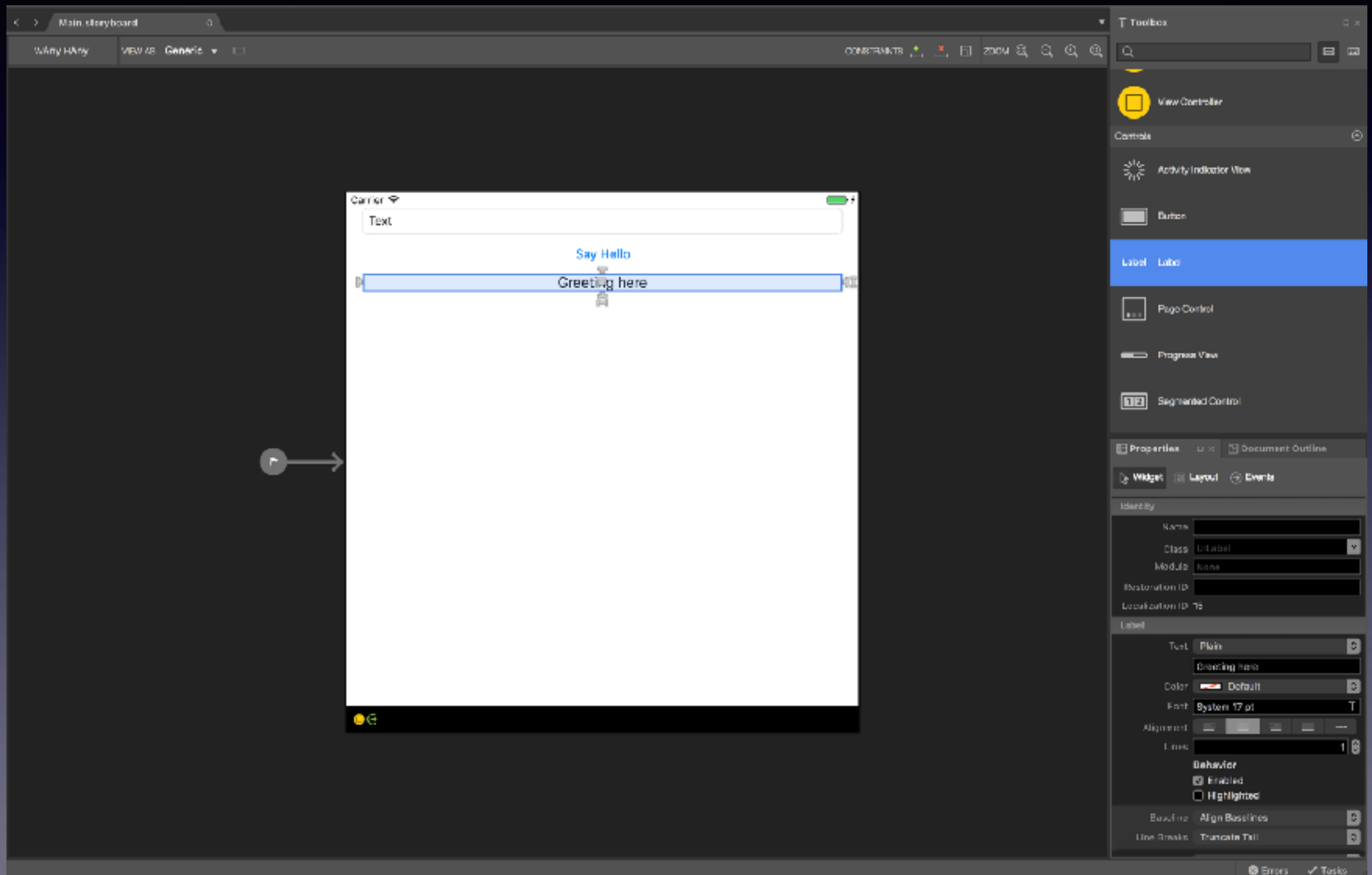
    // Set our view from the "main" layout resource
    setContentView(Resource.Layout.Main);

    // Get our button from the layout resource,
    // and attach an event to it
    Button button = findViewById<Button>(Resource.Id.btnClickMe);

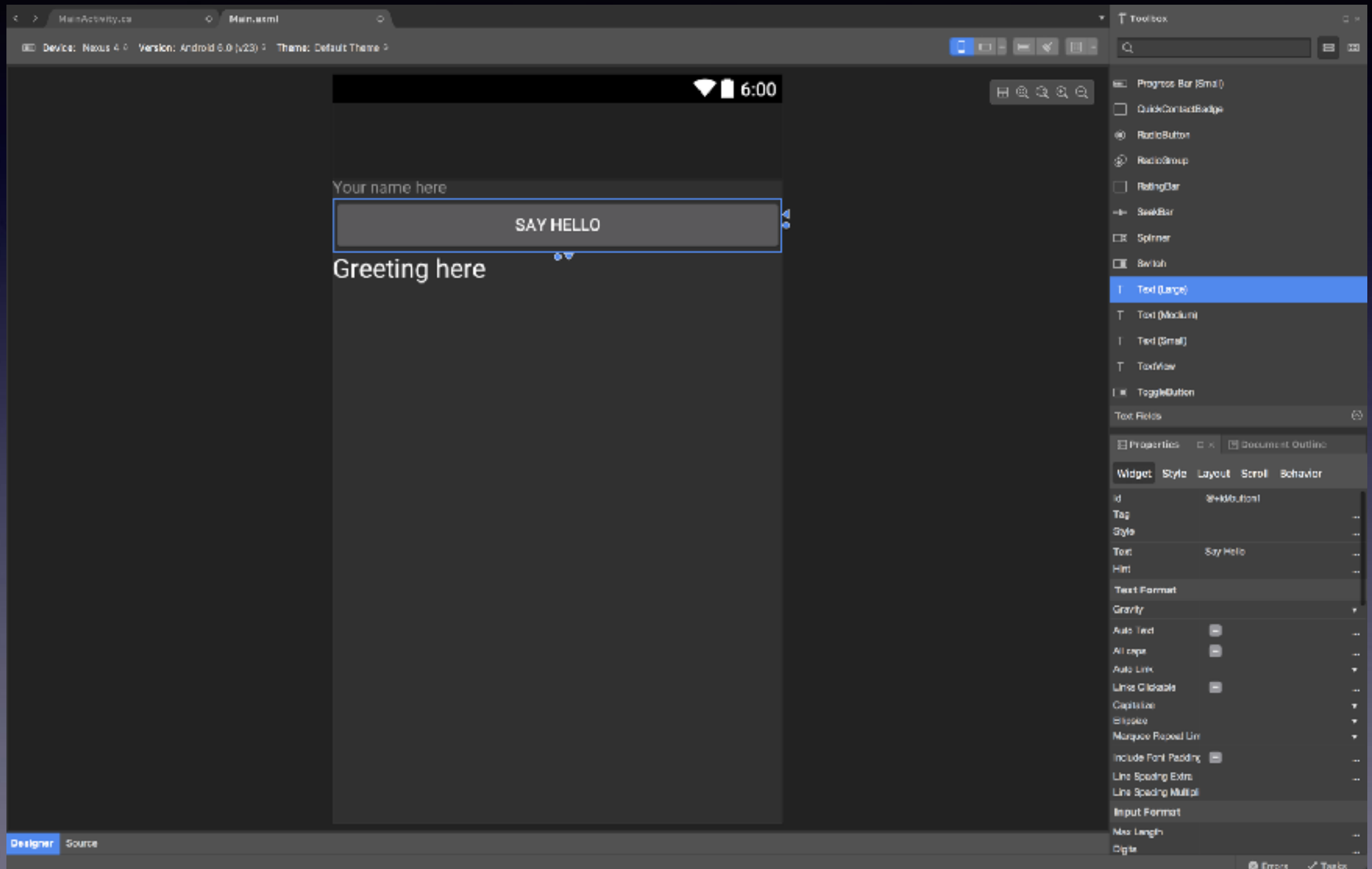
    button.Click += delegate { /* More code here */ };
}
```



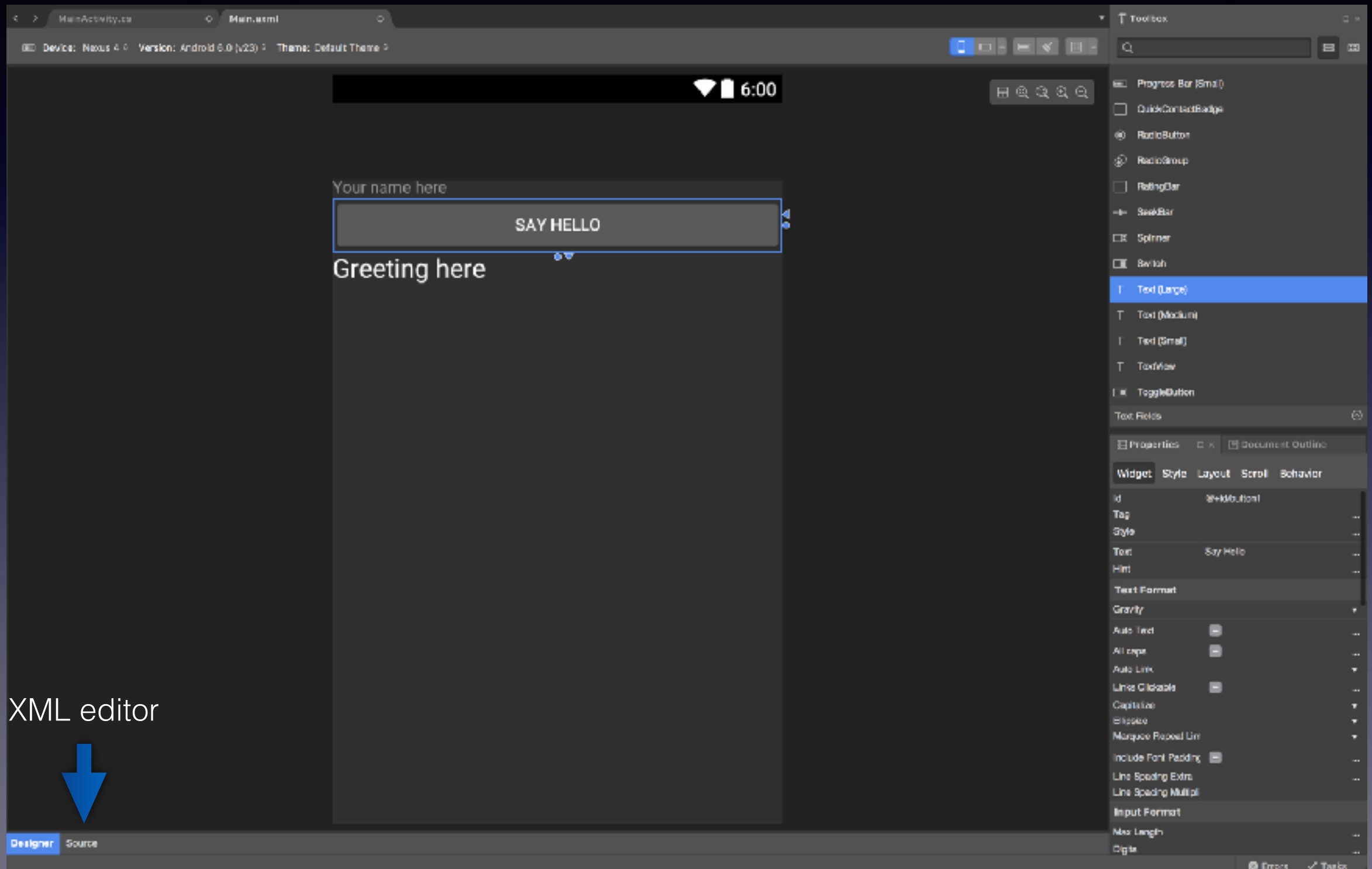
# Designing a UI



# Designing a UI



# Designing a UI





```
class MathOps {  
    int Add() {  
        return a + b;  
    }  
  
    int Subtract() {  
        return a - b;  
    }  
  
    // ...  
}
```



```

class MathOps {
    int Add() {
        return a + b;
    }

    int Subtract() {
        return a - b;
    }

    // ...
}

```

```

addButton.TouchUpInside += (sender, e) =>
{
    var mathOps = new MathOps(getOperand1(), getOperand2());
    var sum = mathOps.Add();
    txtResult.Text = $"{sum}";
};

```



```

class MathOps {
    int Add() {
        return a + b;
    }

    int Subtract() {
        return a - b;
    }

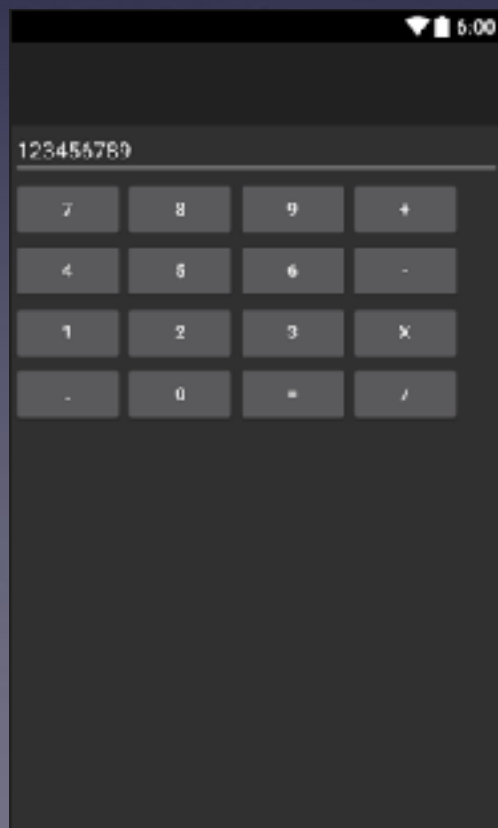
    // ...
}

```

```

addButton.TouchUpInside += (sender, e) =>
{
    var mathOps = new MathOps(getOperand1(), getOperand2());
    var sum = mathOps.Add();
    txtResult.Text = $"{sum}";
};

```



```

Button addButton = FindViewById<Button>(Resource.Id.btnAddButton);

addButton.OnClick += (sender, e) => {
    var mathOps = new MathOps(getOperand1(), getOperand2());
    var sum = mathOps.Add();
    txtResult.Text = $"{sum}";
};

```

```

class MathOps {
    int Add() {
        return a + b;
    }

    int Subtract() {
        return a - b;
    }

    // ...
}

```

```

addButton.TouchUpInside += (sender, e) =>
{

```

```

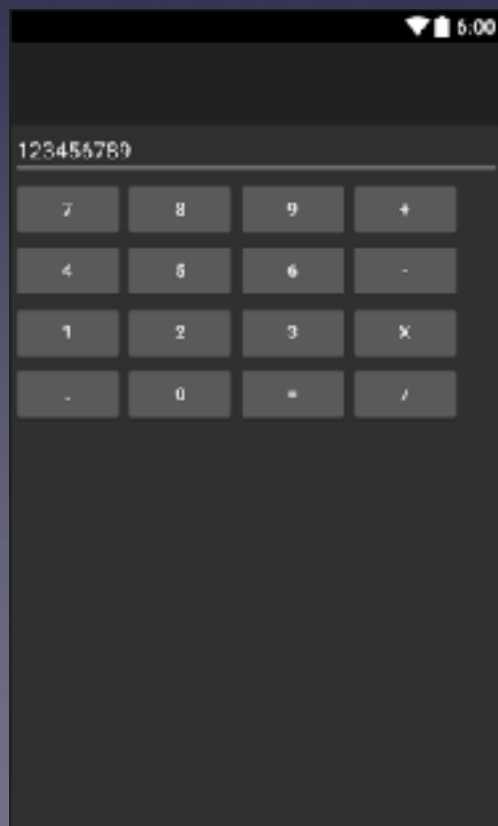
    var mathOps = new MathOps(getOperand1(), getOperand2());
    var sum = mathOps.Add();
    txtResult.Text = $"{sum}";

```

```

};

```



```

Button addButton = FindViewById<Button>(Resource.Id.btnAddButton);

```

```

addButton.OnClick += (sender, e) => {

```

```

    var mathOps = new MathOps(getOperand1(), getOperand2());
    var sum = mathOps.Add();
    txtResult.Text = $"{sum}";

```

```

}

```

```

};

```

# Xamarin.Forms

# Xamarin.Forms

Implements the UI via a common C# codebase

# Xamarin.Forms

Implements the UI via a common C# codebase

Renders native controls on each individual platform



# Xamarin.Forms

Implements the UI via a common C# codebase

Renders native controls on each individual platform

Declarative markup with XAML

# Xamarin.Forms

Implements the UI via a common C# codebase

Renders native controls on each individual platform

Declarative markup with XAML

Up to 90% code reuse across platforms

# Xamarin.Forms

Implements the UI via a common C# codebase

Renders native controls on each individual platform

Declarative markup with XAML

Up to 90% code reuse across platforms

Supports iOS, Android, Windows 10/UWP

# Xamarin.Forms

Implements the UI via a common C# codebase

Renders native controls on each individual platform

Declarative markup with XAML

Up to 90% code reuse across platforms

Supports iOS, Android, Windows 10/UWP

Open source on Github

# Xamarin.Forms

Implements the UI via a common C# codebase

Renders native controls on each individual platform

Declarative markup with XAML

Up to 90% code reuse across platforms

Supports iOS, Android, Windows 10/UWP

Open source on Github

No visual designer

# Xamarin.Forms

Implements the UI via a common C# codebase

Renders native controls on each individual platform

Declarative markup with XAML

Up to 90% code reuse across platforms

Supports iOS, Android, Windows 10/UWP

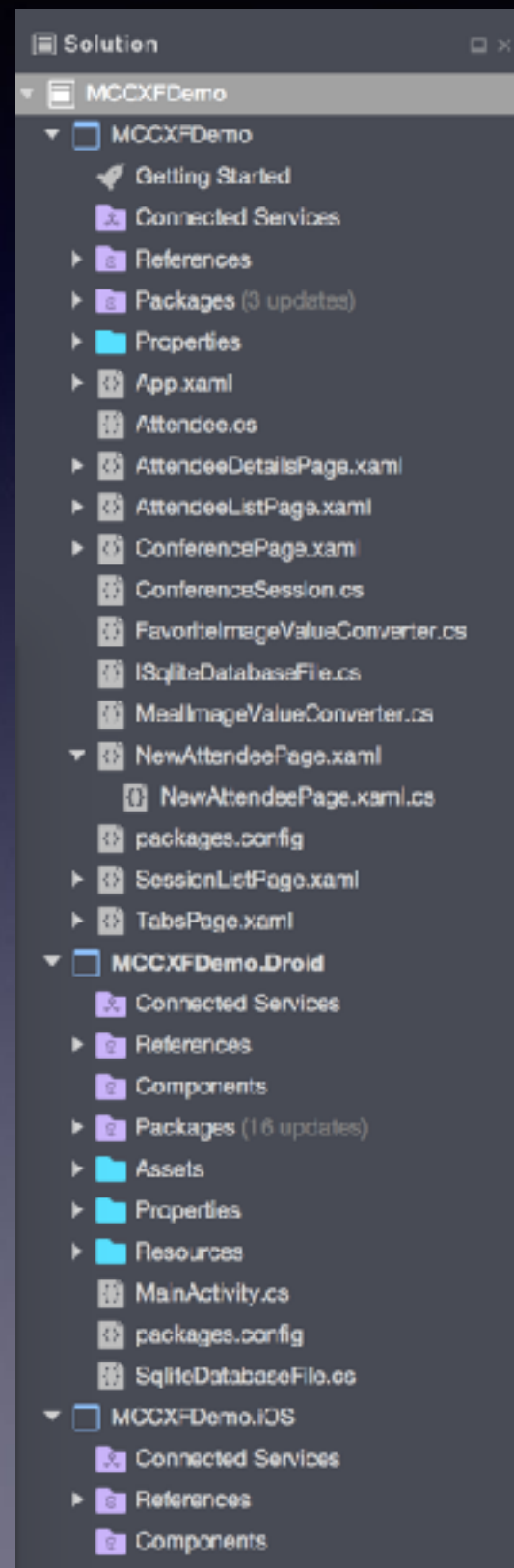
Open source on Github

No visual designer

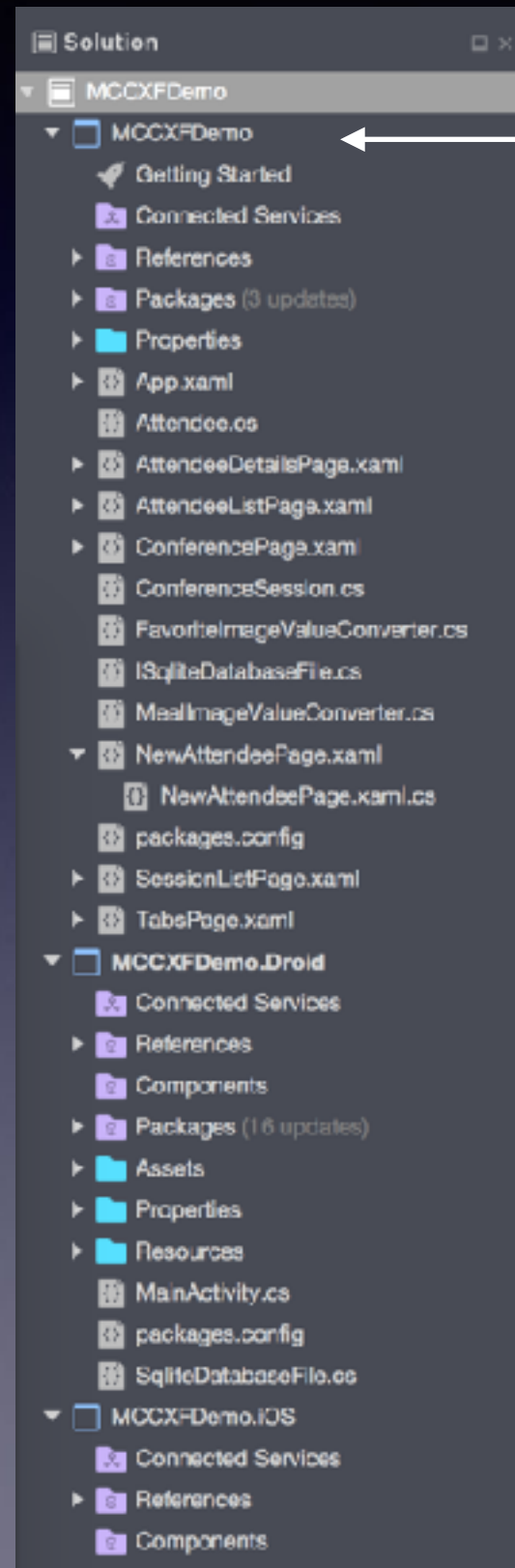
Static previewer (YMMV with Android)



# Xamarin.Forms

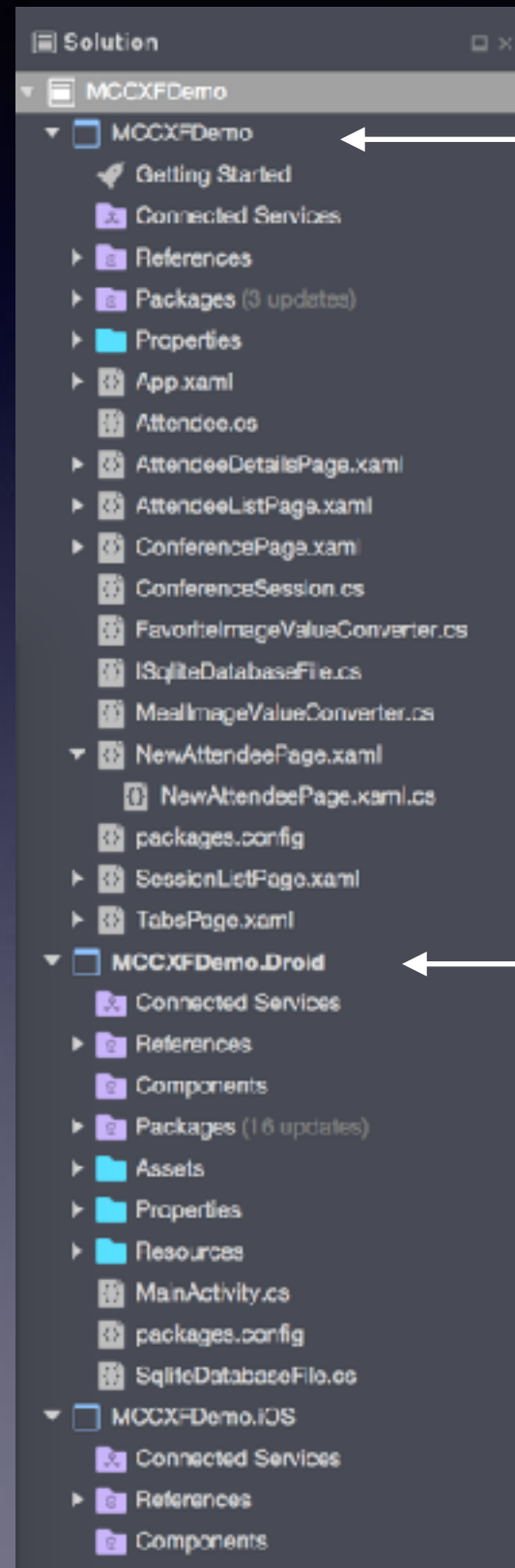


# Xamarin.Forms



Xamarin.Forms Project

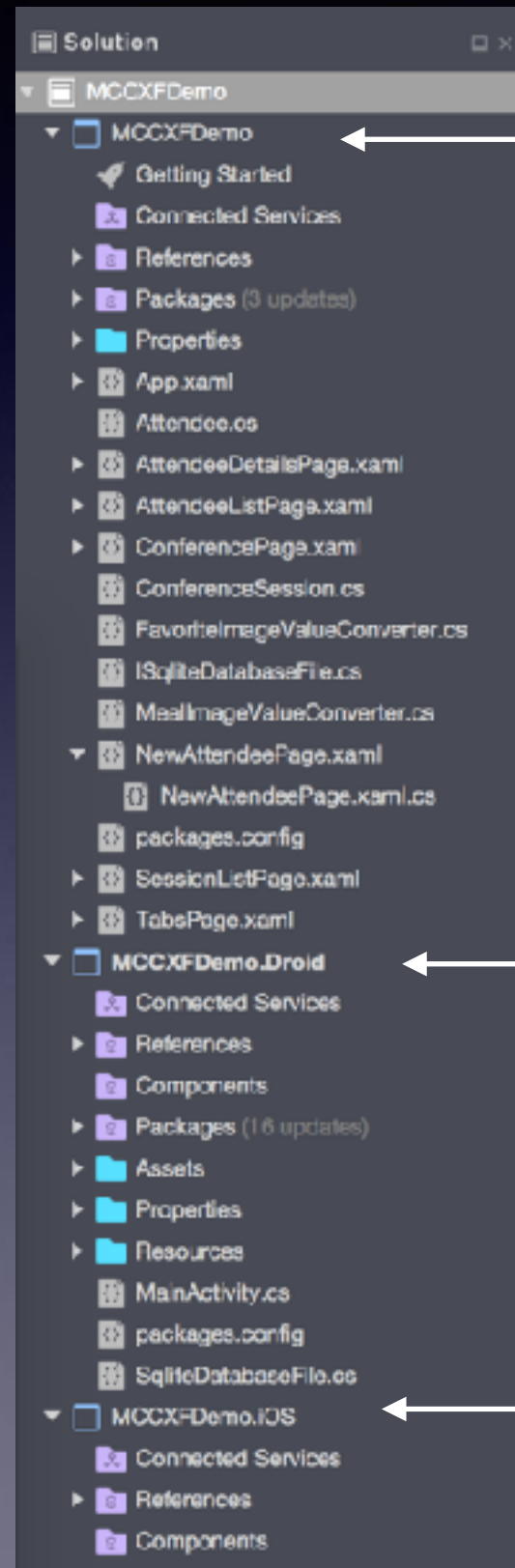
# Xamarin.Forms



Xamarin.Forms Project

Xamarin.Android Project

# Xamarin.Forms



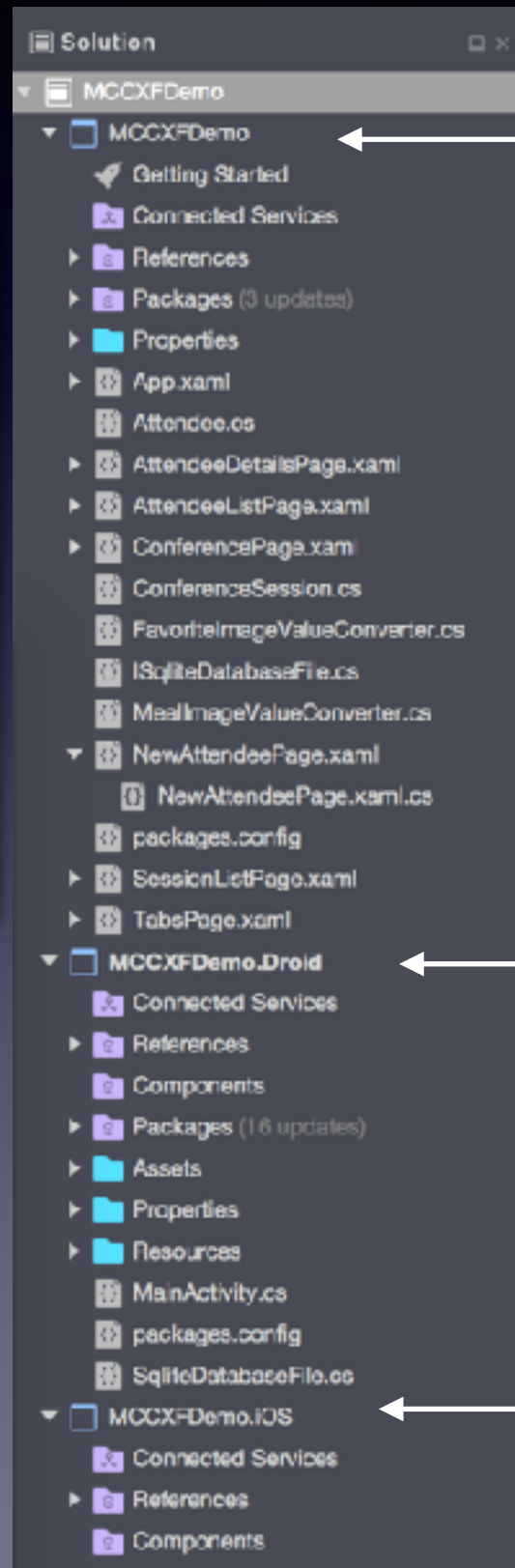
Xamarin.Forms Project

Xamarin.Android Project

Xamarin.iOS Project

# Xamarin.Forms

90%



Xamarin.Forms Project

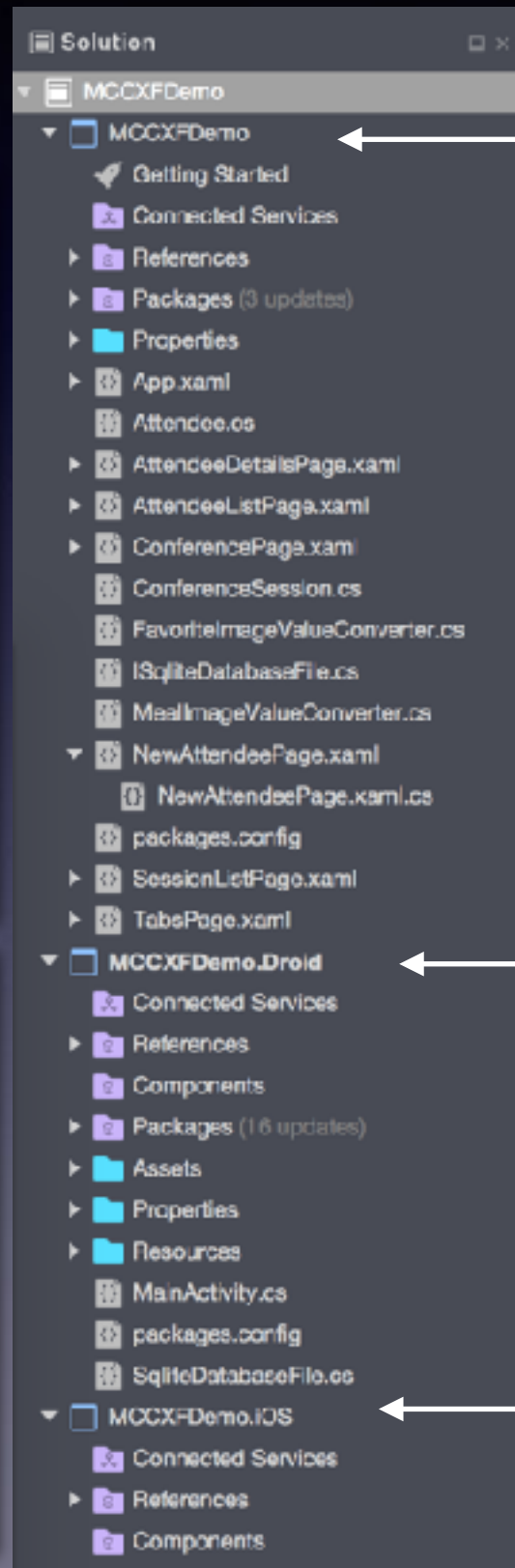
Xamarin.Android Project

Xamarin.iOS Project

# Xamarin.Forms

90%

10%



Xamarin.Forms Project

Xamarin.Android Project

Xamarin.iOS Project



```
<?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:local="clr-namespace:MCCXFDemo"
  x:Class="MCCXFDemo.MCCXFDemoPage">
  <ContentPage.Content>
    <StackLayout Orientation="Vertical" Padding="10">
      <Label FontSize="40" HorizontalTextAlignment="Center" Text="Register"/>
      <Entry Placeholder="Username" HorizontalOptions="FillAndExpand"/>
      <Entry Placeholder="Email Address" HorizontalOptions="FillAndExpand"/>
      <Entry Placeholder="Password" HorizontalOptions="FillAndExpand" IsPassword="true"/>
      <Entry Placeholder="Verify Password" HorizontalOptions="FillAndExpand" IsPassword="true"/>
      <Label Text="Date of Birth" FontAttributes="Bold"/>
      <DatePicker/>
      <Label HorizontalTextAlignment="Start" FontAttributes="Bold">
        For verification, please set the slider to the value: 42
      </Label>
      <StackLayout Orientation="Horizontal">
        <Slider HorizontalOptions="FillAndExpand" Minimum="0" Maximum="100" Value="42" />
        <Label Text="42" />
      </StackLayout>
      <StackLayout Orientation="Horizontal">
        <Button Text="Register" HorizontalOptions="FillAndExpand"/>
        <Button Text="Cancel" HorizontalOptions="FillAndExpand"/>
      </StackLayout>
    </StackLayout>
  </ContentPage.Content>
</ContentPage>
```

```

<?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:local="clr-namespace:MCCXFDemo"
    x:Class="MCCXFDemo.MCCXFDemoPage">
    <ContentPage.Content>
        <StackLayout Orientation="Vertical" Padding="10">
            <Label FontSize="40" HorizontalTextAlignment="Center" Text="Register"/>
            <Entry Placeholder="Username" HorizontalOptions="FillAndExpand"/>
            <Entry Placeholder="Email Address" HorizontalOptions="FillAndExpand"/>
            <Entry Placeholder="Password" HorizontalOptions="FillAndExpand" IsPassword="true"/>
            <Entry Placeholder="Verify Password" HorizontalOptions="FillAndExpand" IsPassword="true"/>
            <Label Text="Date of Birth" FontAttributes="Bold"/>
            <DatePicker/>
            <Label HorizontalTextAlignment="Start" FontAttributes="Bold">
                For verification, please set the slider to the value: 42
            </Label>
            <StackLayout Orientation="Horizontal">
                <Slider HorizontalOptions="FillAndExpand" Minimum="0" Maximum="100" Value="42" />
                <Label Text="42" />
            </StackLayout>
            <StackLayout Orientation="Horizontal">
                <Button Text="Register" HorizontalOptions="FillAndExpand"/>
                <Button Text="Cancel" HorizontalOptions="FillAndExpand"/>
            </StackLayout>
        </StackLayout>
    </ContentPage.Content>
</ContentPage>

```

Carrier 5:32 PM

# Register

Username

Email Address

Password

Verify Password

**Date of Birth**

10/9/2016

For verification, please set the slider to the value: 42

42

Register Cancel

```

<?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:local="clr-namespace:MCCXFDemo"
    x:Class="MCCXFDemo.MCCXFDemoPage">
    <ContentPage.Content>
        <StackLayout Orientation="Vertical" Padding="10">
            <Label FontSize="40" HorizontalTextAlignment="Center" Text="Register"/>
            <Entry Placeholder="Username" HorizontalOptions="FillAndExpand"/>
            <Entry Placeholder="Email Address" HorizontalOptions="FillAndExpand"/>
            <Entry Placeholder="Password" HorizontalOptions="FillAndExpand" IsPassword="true"/>
            <Entry Placeholder="Verify Password" HorizontalOptions="FillAndExpand" IsPassword="true"/>
            <Label Text="Date of Birth" FontAttributes="Bold"/>
            <DatePicker/>
            <Label HorizontalTextAlignment="Start" FontAttributes="Bold">
                For verification, please set the slider to the value: 42
            </Label>
            <StackLayout Orientation="Horizontal">
                <Slider HorizontalOptions="FillAndExpand" Minimum="0" Maximum="100" Value="42" />
                <Label Text="42" />
            </StackLayout>
            <StackLayout Orientation="Horizontal">
                <Button Text="Register" HorizontalOptions="FillAndExpand"/>
                <Button Text="Cancel" HorizontalOptions="FillAndExpand"/>
            </StackLayout>
        </StackLayout>
    </ContentPage.Content>
</ContentPage>

```

Carrier 5:32 PM

# Register

Username

Email Address

Password

Verify Password

**Date of Birth**

10/9/2016

**For verification, please set the slider to the value: 42**

42

Register Cancel

Android Emulator - Nexus\_5X\_API\_24.5554 5:37

# Register

Username

Email Address

Password

Verify Password

**Date of Birth**

10/9/2016

**For verification, please set the slider to the value: 42**

42

REGISTER CANCEL

```
<?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:local="clr-namespace:MCCXFDemo"
    x:Class="MCCXFDemo.MCCXFDemoPage">
    <ContentPage.Content>
        <StackLayout Orientation="Vertical" Padding="10">
            <Label FontSize="40" HorizontalTextAlignment="Center" Text="Register"/>
            <Entry Placeholder="Username" HorizontalOptions="FillAndExpand"/>
            <Entry Placeholder="Email Address" HorizontalOptions="FillAndExpand"/>
            <Entry Placeholder="Password" HorizontalOptions="FillAndExpand" IsPassword="true"/>
            <Entry Placeholder="Verify Password" HorizontalOptions="FillAndExpand" IsPassword="true"/>
            <Label Text="Date of Birth" FontAttributes="Bold"/>
            <DatePicker/>
            <Label HorizontalTextAlignment="Start" FontAttributes="Bold">
                For verification, please set the slider to the value: 42
            </Label>
            <StackLayout Orientation="Horizontal">
                <Slider HorizontalOptions="FillAndExpand" Minimum="0" Maximum="100" Value="42" />
                <Label Text="42" />
            </StackLayout>
            <StackLayout Orientation="Horizontal">
                <Button Text="Register" HorizontalOptions="FillAndExpand"/>
                <Button Text="Cancel" HorizontalOptions="FillAndExpand"/>
            </StackLayout>
        </StackLayout>
    </ContentPage.Content>
</ContentPage>
```

```

<?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:local="clr-namespace:MCCXFDemo"
             x:Class="MCCXFDemo.MCCXFDemoPage">
  <ContentPage.Content>
    <StackLayout Orientation="Vertical" Padding="10">
      <Label FontSize="40" HorizontalTextAlignment="Center" Text="Register"/>
      <Entry Placeholder="Username" HorizontalOptions="FillAndExpand"/>
      <Entry Placeholder="Email Address" HorizontalOptions="FillAndExpand"/>
      <Entry Placeholder="Password" HorizontalOptions="FillAndExpand" IsPassword="true"/>
      <Entry Placeholder="Verify Password" HorizontalOptions="FillAndExpand" IsPassword="true"/>
      <Label Text="Date of Birth" FontAttributes="Bold"/>
      <DatePicker/>
      <Label HorizontalTextAlignment="Start" FontAttributes="Bold">
        For verification, please set the slider to the value: 42
      </Label>
      <StackLayout Orientation="Horizontal">
        <Slider HorizontalOptions="FillAndExpand" Minimum="0" Maximum="100" Value="42" />
        <Label Text="42" />
      </StackLayout>
      <StackLayout Orientation="Horizontal">
        <Button Text="Register" HorizontalOptions="FillAndExpand"/>
        <Button Text="Cancel" HorizontalOptions="FillAndExpand"/>
      </StackLayout>
    </StackLayout>
  </ContentPage.Content>
</ContentPage>

```

Carrier 5:40 PM

# Register

Username

Email Address

Password

Verify Password

**Date of Birth**

10/9/2016

**For verification, please set the slider to the value: 42**

Done

July	6	2013
August	7	2014
September	8	2015
<b>October</b>	<b>9</b>	<b>2016</b>
November	10	2017
December	11	2018
January	12	2019

```

<?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:local="clr-namespace:MCCXFDemo"
    x:Class="MCCXFDemo.MCCXFDemoPage">
    <ContentPage.Content>
        <StackLayout Orientation="Vertical" Padding="10">
            <Label FontSize="40" HorizontalTextAlignment="Center" Text="Register"/>
            <Entry Placeholder="Username" HorizontalOptions="FillAndExpand"/>
            <Entry Placeholder="Email Address" HorizontalOptions="FillAndExpand"/>
            <Entry Placeholder="Password" HorizontalOptions="FillAndExpand" IsPassword="true"/>
            <Entry Placeholder="Verify Password" HorizontalOptions="FillAndExpand" IsPassword="true"/>
            <Label Text="Date of Birth" FontAttributes="Bold"/>
            <DatePicker/>
            <Label HorizontalTextAlignment="Start" FontAttributes="Bold">
                For verification, please set the slider to the value: 42
            </Label>
            <StackLayout Orientation="Horizontal">
                <Slider HorizontalOptions="FillAndExpand" Minimum="0" Maximum="100" Value="42" />
                <Label Text="42" />
            </StackLayout>
            <StackLayout Orientation="Horizontal">
                <Button Text="Register" HorizontalOptions="FillAndExpand"/>
                <Button Text="Cancel" HorizontalOptions="FillAndExpand"/>
            </StackLayout>
        </StackLayout>
    </ContentPage.Content>
</ContentPage>

```

Carrier 5:40 PM

# Register

Username

Email Address

Password

Verify Password

**Date of Birth**

10/9/2016

For verification, please set the slider to the value: 42

Done

July	6	2013
August	7	2014
September	8	2015
<b>October</b>	<b>9</b>	<b>2016</b>
November	10	2017
December	11	2018
January	12	2019

Android Emulator - Nexus\_5X\_API\_24.5554 5:39

# Register

2016  
Sun, Oct 9

< October 2016 >

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

CANCEL OK

That Last 10%



# That Last 10%

A platform specific feature (NFC, Touch 3D)

# That Last 10%

A platform specific feature (NFC, Touch 3D)

A platform specific implementation (SQLite, camera)

# That Last 10%

A platform specific feature (NFC, Touch 3D)

A platform specific implementation (SQLite, camera)

Custom user interface

# That Last 10%

A platform specific feature (NFC, Touch 3D)

A platform specific implementation (SQLite, camera)

Custom user interface

DependencyService

# That Last 10%

A platform specific feature (NFC, Touch 3D)

A platform specific implementation (SQLite, camera)

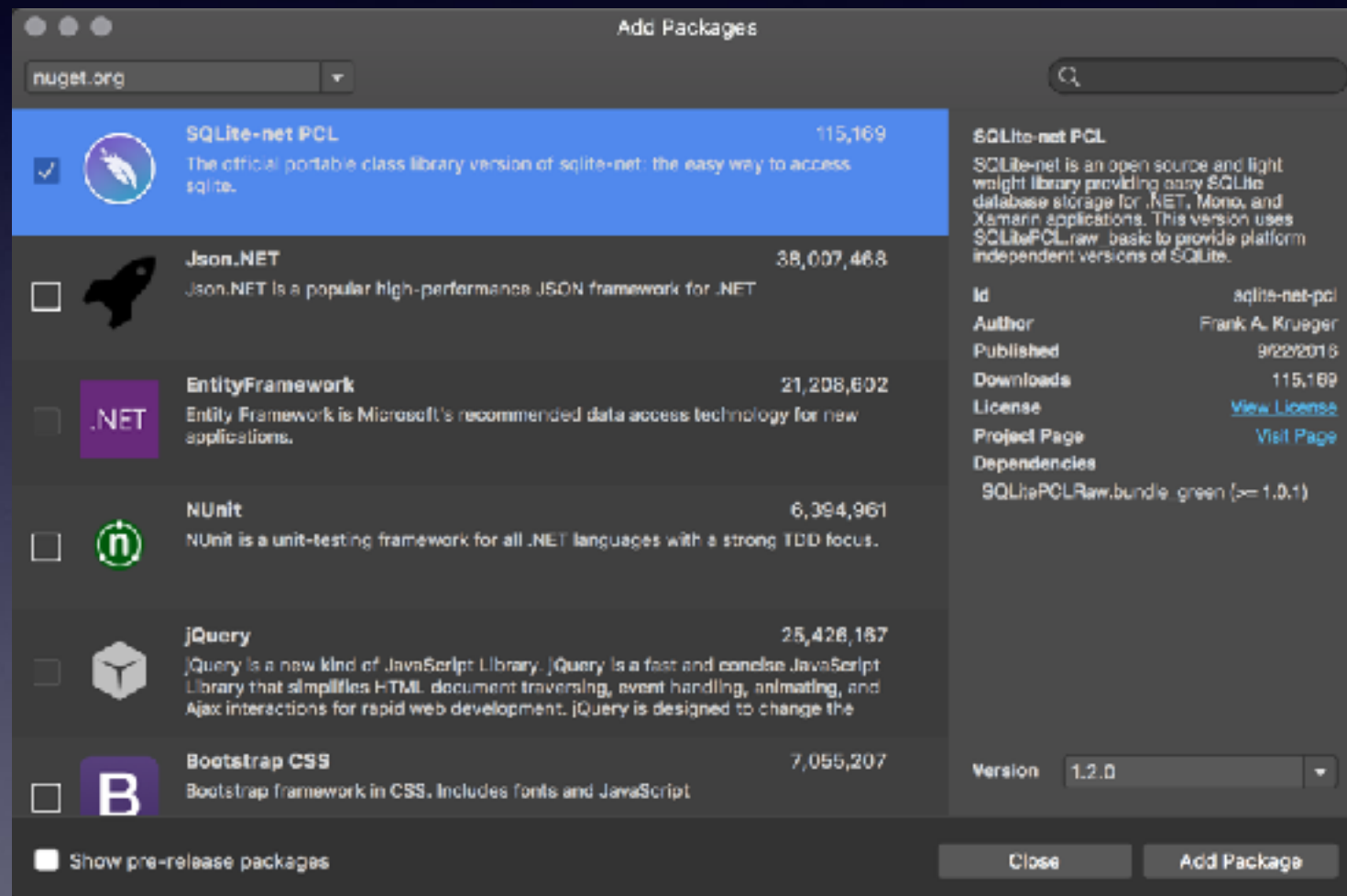
Custom user interface

DependencyService

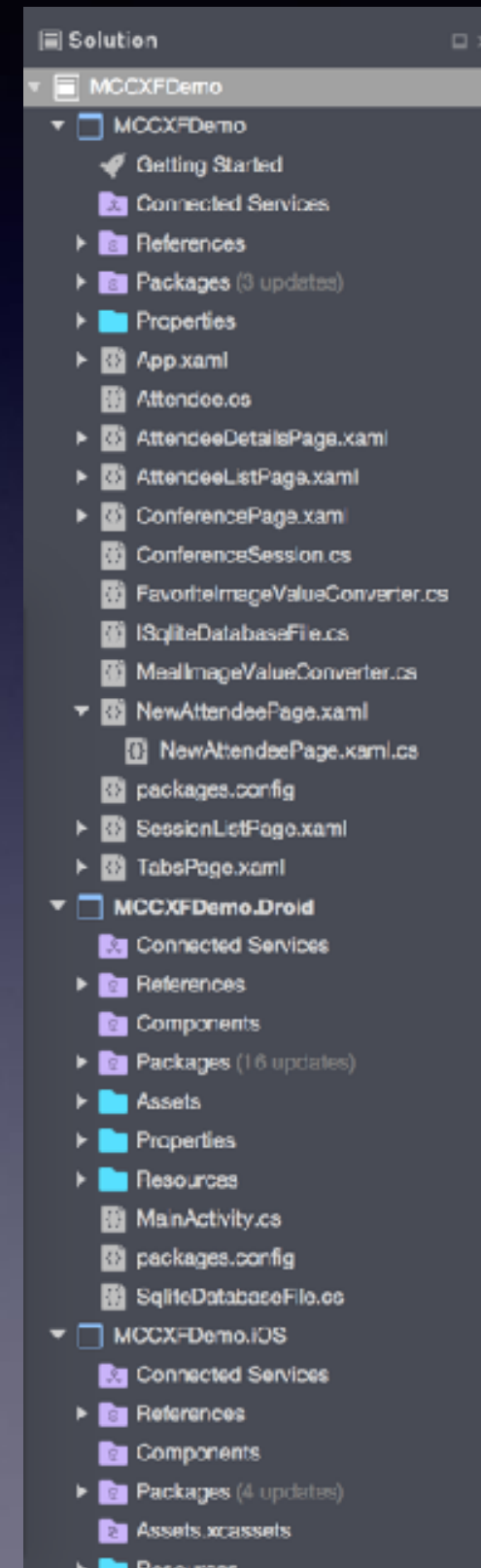
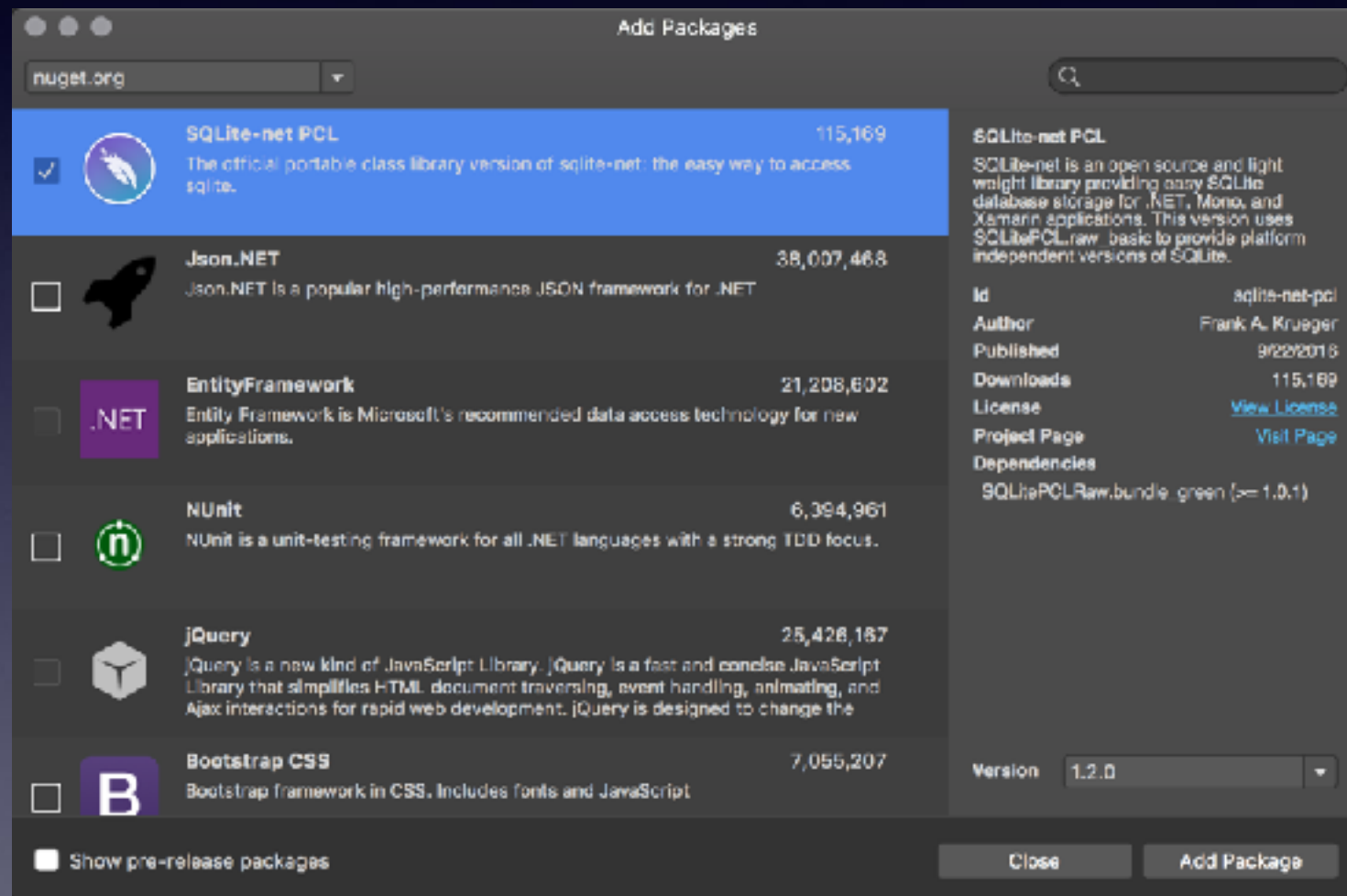
Custom Renderers

# Dependency Service

# Dependency Service

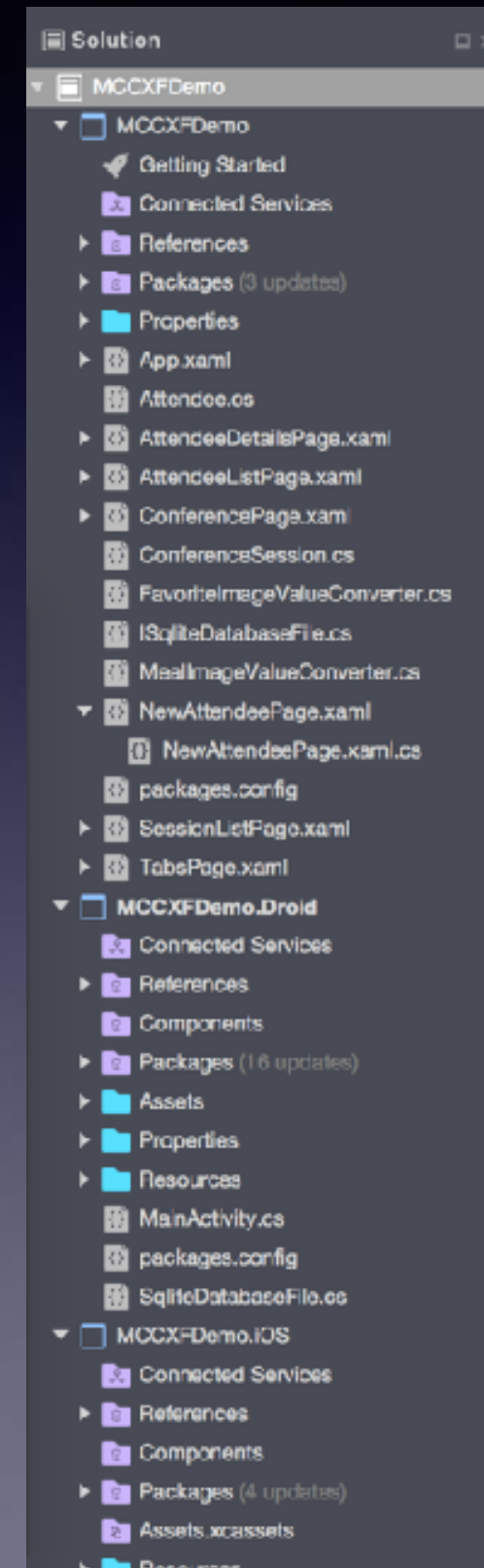
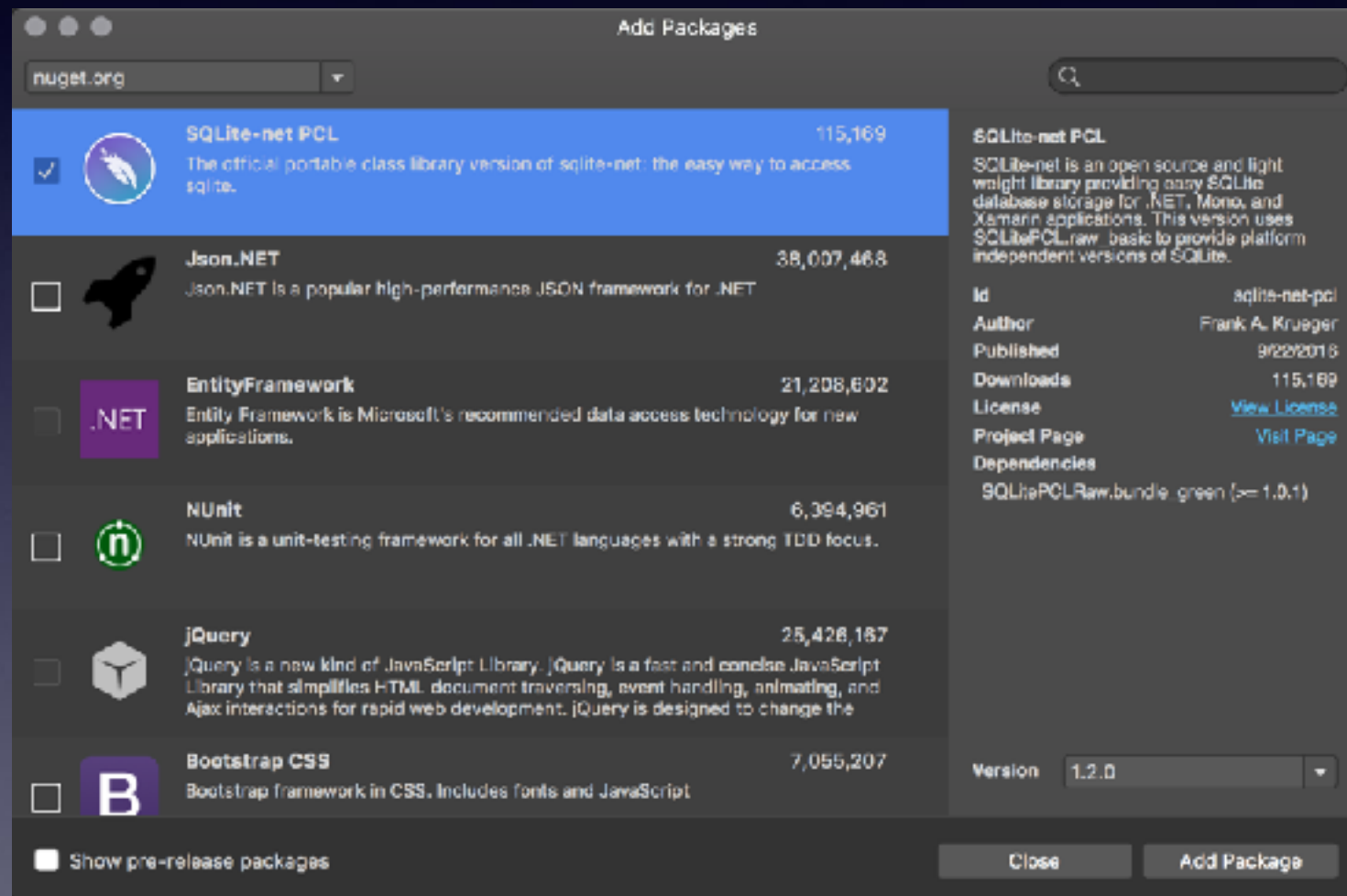


# Dependency Service

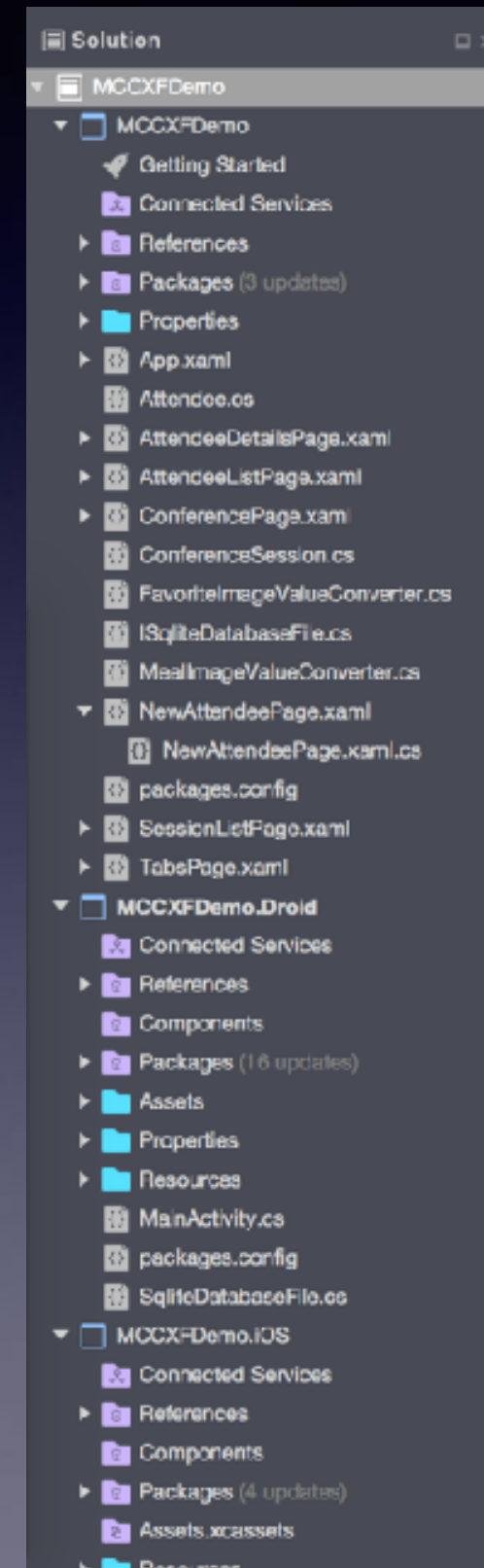




# Dependency Service

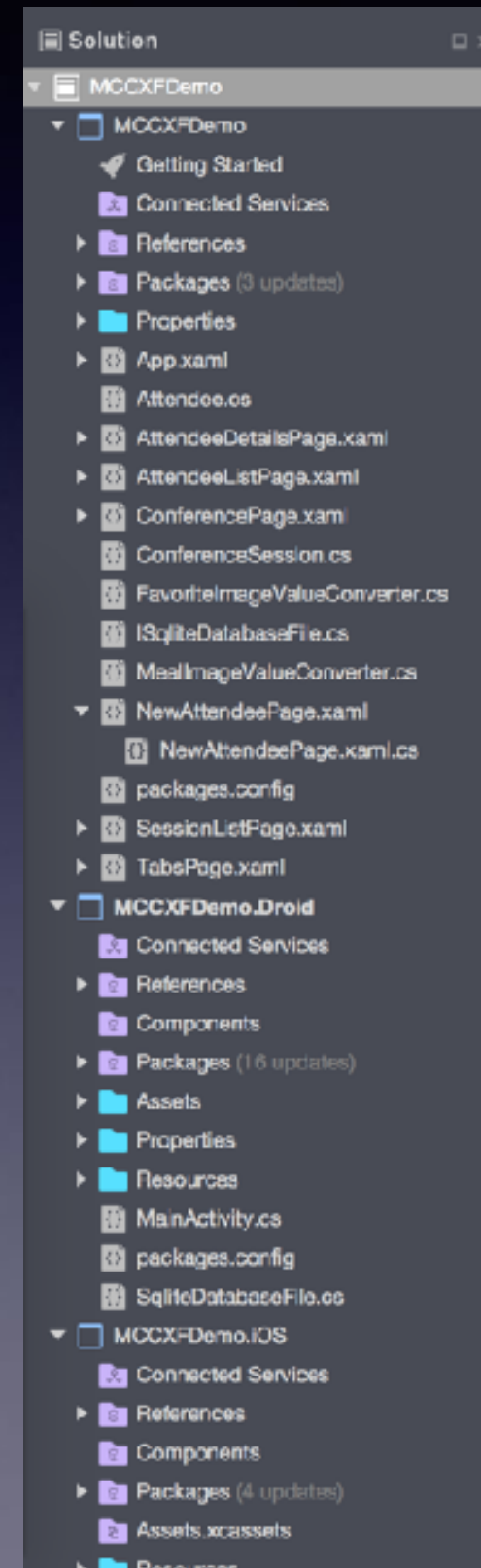


# Dependency Service



# Dependency Service

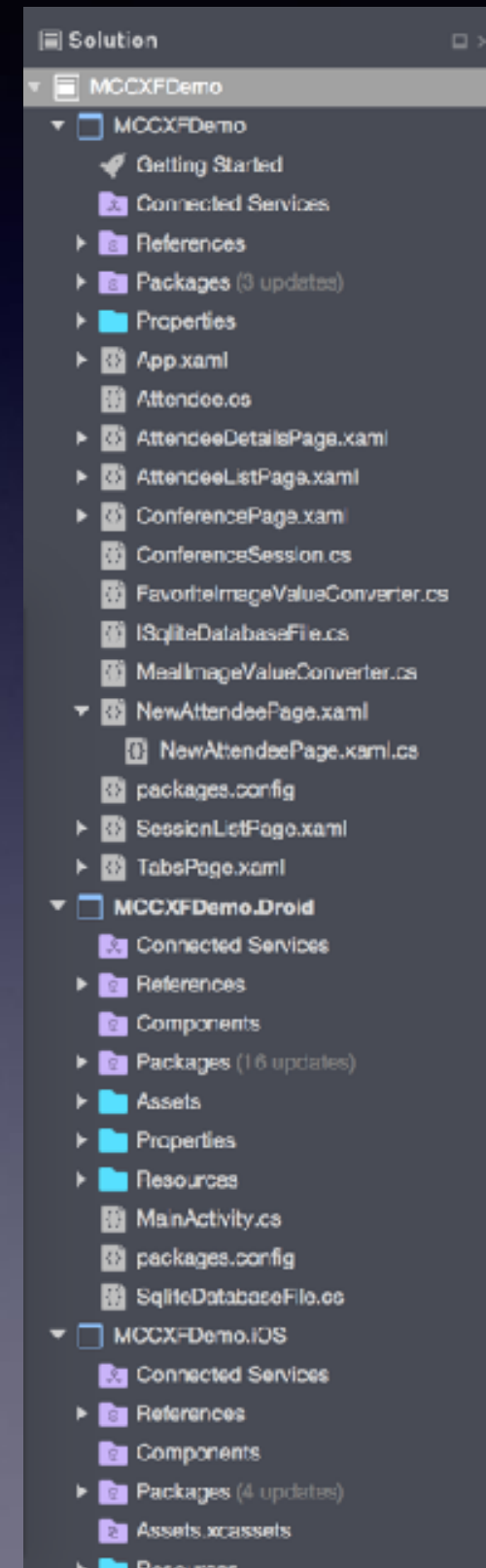
```
public interface ISQLite
{
    SQLiteConnection Connect();
}
```



# Dependency Service

```
public interface ISQLite
{
    SQLiteConnection Connect();
}
```

```
[assembly: Dependency(typeof(SQLite_Droid))]
namespace DroidNamespace {
    public class SQLite_Droid : ISQLite {
        public SQLiteConnection Connect() {
            return new SQLiteConnection(databasePath);
        }
    }
}
```

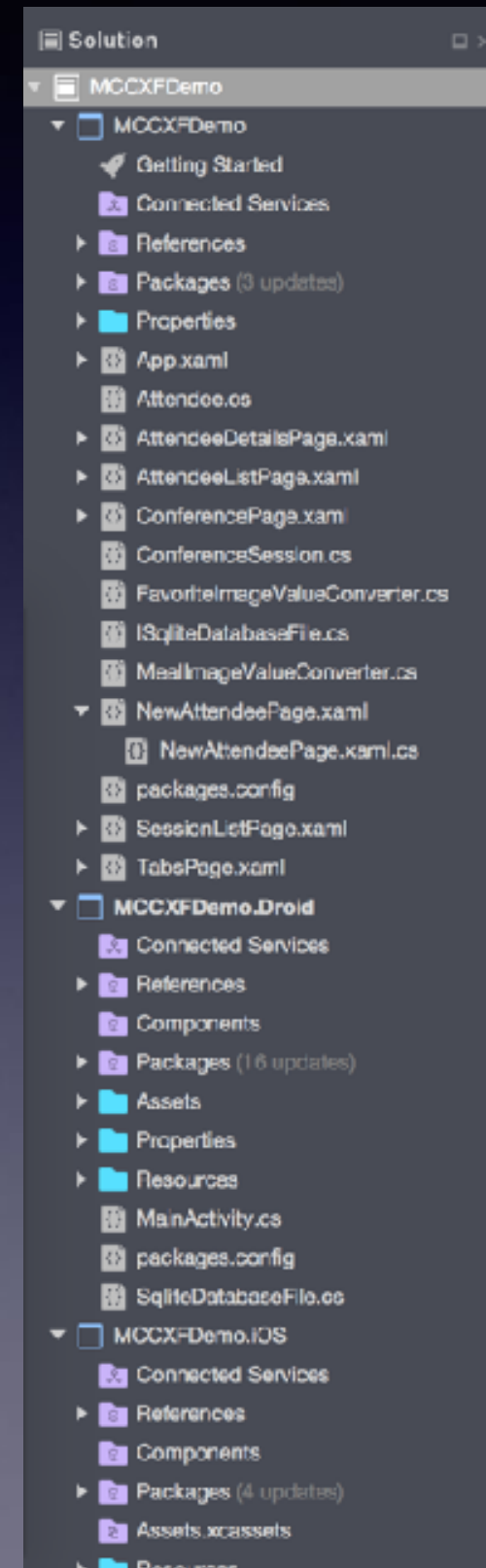


# Dependency Service

```
public interface ISQLite
{
    SQLiteConnection Connect();
}
```

```
[assembly: Dependency(typeof(SQLite_Droid))]
namespace DroidNamespace {
    public class SQLite_Droid : ISQLite {
        public SQLiteConnection Connect() {
            return new SQLiteConnection(databasePath);
        }
    }
}
```

```
[assembly: Dependency(typeof(SQLite_IOS))]
namespace IOSNamespace {
    public class SQLite_IOS : ISQLite {
        public SQLiteConnection Connect() {
            return new SQLiteConnection(databasePath);
        }
    }
}
```



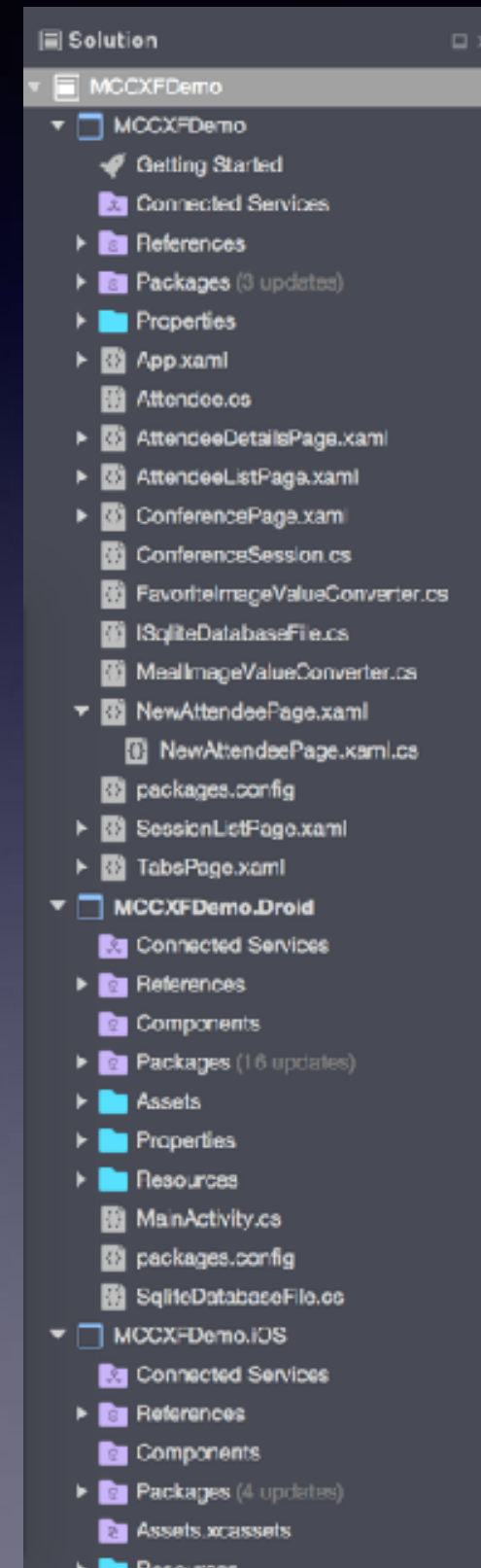
# Dependency Service

```
public interface ISQLite
{
    SQLiteConnection Connect();
}

var conn = DependencyService.Get<ISQLite>().Connect();
```

```
[assembly: Dependency(typeof(SQLite_Droid))]
namespace DroidNamespace {
    public class SQLite_Droid : ISQLite {
        public SQLiteConnection Connect() {
            return new SQLiteConnection(databasePath);
        }
    }
}
```

```
[assembly: Dependency(typeof(SQLite_IOS))]
namespace IOSNamespace {
    public class SQLite_IOS : ISQLite {
        public SQLiteConnection Connect() {
            return new SQLiteConnection(databasePath);
        }
    }
}
```





DEMOS

# What's Next?



# What's Next?

iOS Simulator Remoting

# What's Next?

iOS Simulator Remoting

iOS USB Remoting

# What's Next?

iOS Simulator Remoting

iOS USB Remoting

Xamarin.Forms 3.0

# What's Next?

iOS Simulator Remoting

iOS USB Remoting

Xamarin.Forms 3.0 // adds WPF, macOS and Linux!

# What's Next?

iOS Simulator Remoting

iOS USB Remoting

Xamarin.Forms 3.0 // adds WPF, macOS and Linux!

Xamarin Workbooks

# What's Next?

iOS Simulator Remoting

iOS USB Remoting

Xamarin.Forms 3.0 // adds WPF, macOS and Linux!

Xamarin Workbooks

Xamarin Live Player

# Thank You!

[douglas@douglasstarnes.com](mailto:douglas@douglasstarnes.com)  
[@poweredbyaltnet](mailto:@poweredbyaltnet)  
[douglasstarnes.com](http://douglasstarnes.com)

