DEVELOPED YOUR FIRST XAMARIN.FORMS APP

Developed your First Xamarin.Forms App

Prepared by Eng Soon Cheah, Microsoft MVP

Objective

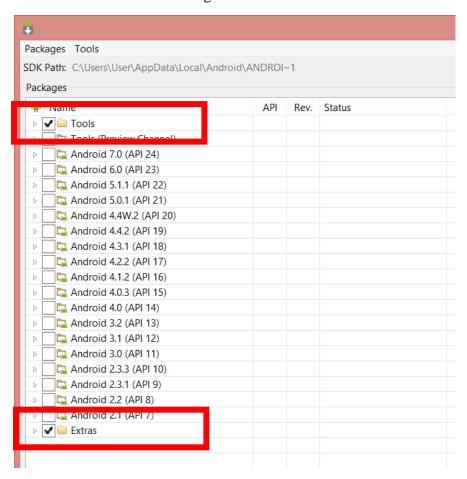
Build your first mobile app for iOS, Android, and Windows with Xamarin. Forms

<u>Problems and Solutions After installation of Xamarin in Visual Studio</u>

- http://bit.ly/XamarinP1
- http://bit.ly/XamarinP2

Requirements

- 1. Install Visual Studio 2015 Enterprise
- 2. Install Visual Studio Emulator for Android
- 3. Install Windows Standalone SDK for Windows 10 & Enable Developer Mode
- 4. Install Android SDK Manager for Tools and Extras



Content

Chapter 1: Create Your First Porject

Chapter 2: Layout & Control & Event Handler

Chapter 3: Plugin

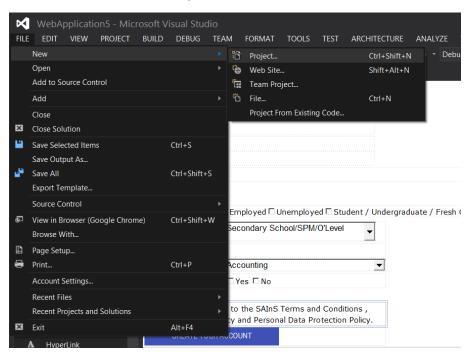
Chapter 4: Integrate with HockeyApp

Chapter 5: Integrate with Visual Studio Mobile Center

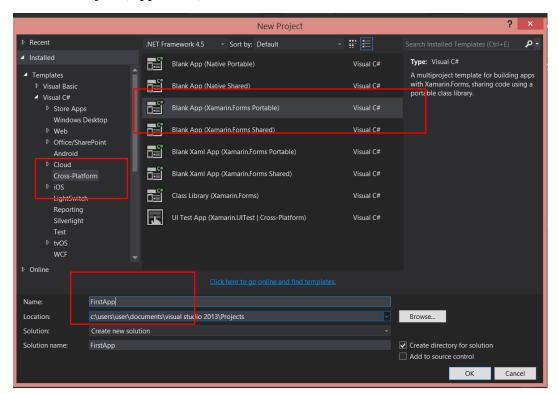
References

Chapter 1: Create Your First Project

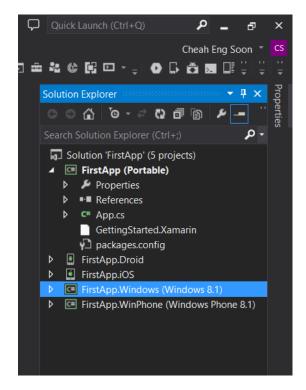
- 1. Open your Visual Studio 2015/ Visual Studio Enterprise.
- 2. Go to File > New > Project



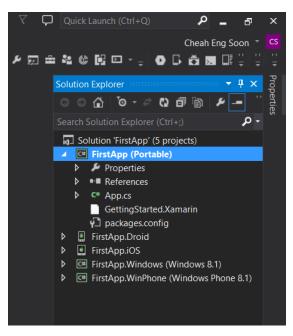
3. Select "Cross-Platform" > Select "Blank App (Xamarin.Forms Portable) "& Name Your Project (App Name)



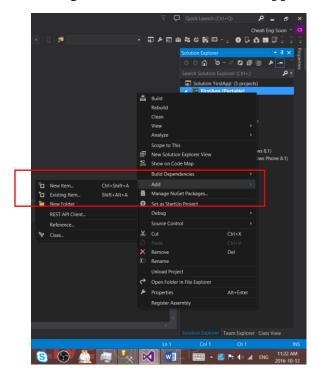
4. Your Xamarin.Forms App Solutions Successful Created.



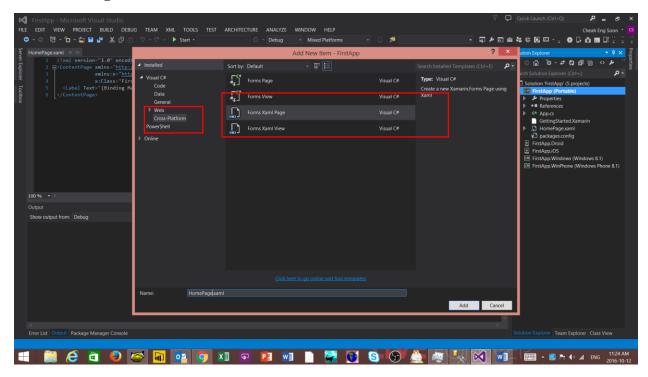
- * If you use Windows 10 & install Windows 10 SDK, You will saw the Universal Windows Platform (UWP) App.
- 5. Select the Solution "FirstApp(Portable)"



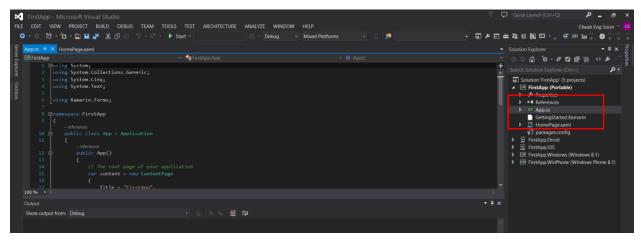
6. Right- Click the Solution "FirstApp(Portable)" > Select "Add" > Select "New Item"



7. Select "Cross-Platform" > Select "Forms Xaml Page" > Name the Page "HomePage.xaml"



8. Go to "FirstApp (Portable)" > Select "App.cs"



9. Highlight and Remove the Source Code in **App**()

```
FirstApp - Microsoft Visual Studio

FILE EDIT VIEW PROJECT BUILD DEBUG TEAM TOOLS TEST ARCHITECTURE ANALYZE WINDOW HELP

Apple Apple
```

10. And Replace with "MainPage = new HomePage();

```
App.cs* * X HomePage.xaml

C FirstApp

4 using System.Text;
5 using Xamarin.Forms;
7
8 Enamespace FirstApp
9 {
4 references
10 E public class App : Application
11 {
3 references
12 E public App()
13 {
14 15
16 17 }
18 0 references
```

Chapter 2: Layout and Control

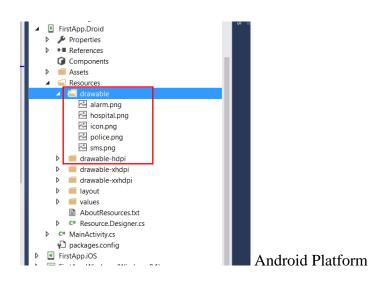
1. Go to "HomePage.xaml" add Layout and Control

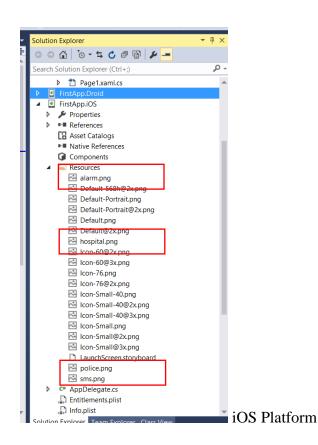
```
FirstApp - Microsoft Visual Studio
File Edit View Project Build Debug Team XML Tools Test Analyze Window
③ → ⑤ | 👸 → 🔄 💾 🛂 🥠 → 🦿 → Debug → Any CPU
                                                           FirstApp.WinPhone (Windows Phor 🔹 🕨 Emulator 8.1 WVGA 4 inch 512MB 🔻 🍠 📮 🚺 💽 🛅 🔣 🔲 🖟
                                            Page1.xaml + X GettingStarted.Xamarin
             <?xml version="1.0" encoding="utf-8" ?>
           GontentPage xmlns="http://xamarin.com/schemas/2014/forms"
                          xmlns:x="http://schemas.microsoft.com/winfx/2009/xaml"
                          x:Class="FirstApp.Page1">
               <ContentPage.Content>
                 <!--Grid Layout-->
               <Grid VerticalOptions="FillAndExpand" HorizontalOptions="FillAndExpand">
                 <Grid.RowDefinitions>
                   <RowDefinition Height="*" />
                   <RowDefinition Height="2*"/>
        12
                   <RowDefinition Height="2*" />
        13
14
                   <RowDefinition Height="*" />
                 </Grid.RowDefinitions>
        15
                 <Grid.ColumnDefinitions>
                   <ColumnDefinition Width="*" />
        16
17
                   <ColumnDefinition Width="*" />
        18
19
                 </Grid.ColumnDefinitions>
                 <!--Controls-->
        20
                 <Label x:Name="lbllocationcoordinates" Grid.Row="0" Grid.Column="0" Grid.ColumnSpan="2" BackgroundColor="Blue" />
        21
                 <Button x:Name="btnmessage" Grid.Row="1" Grid.Column="0" Image="sms.png"/>
        22
                 <Button x:Name="btnalarm" Grid.Row="1" Grid.Column="1" Text="Alarm" Image="alarm.png"/>
        23
                 <Button x:Name="btnPolice" Grid.Row="2" Grid.Column="0" Image="police.png"/>
        24
                 <Button x:Name="btnAmbulance" Grid.Row="2" Grid.Column="1" Image="hospital.png" />
                 <Entry x:Name="txtPhoneNumber" Grid.Row="3" Grid.Column="0" Grid.ColumnSpan="2"/> <!--aka Textbox-->
                 </ContentPage.Content>
              </ContentPage>
```

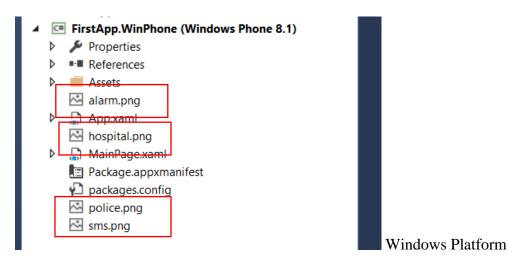
- 2. Add Image to each Platform (iOS,Android,Windows/UWP)
 - iOS Add Image to "Resources" Folder, Build Action: BundleResource in Properties
 - Android Add Image to "Resources/drawable" Folder, Build Action: Android Resource.
 - Windows /UWP Place images in root directory, **Build Action: Content**.

Download the image and MP3 file from:

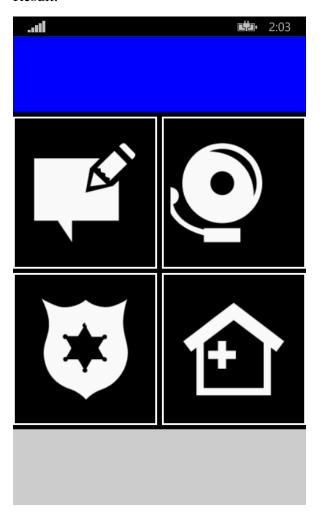
https://github.com/cheahengsoon/FirstXamarinFormsApp







Result:



Layout Done. But still not had any event or functions.

3. Add Event handler to the Entry for PhoneNumber.

```
| Space | State | Stat
```

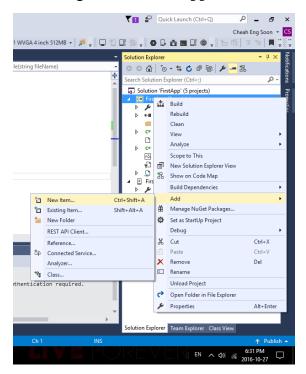
And

Go to HomePage.xaml.cs, add the C# Code

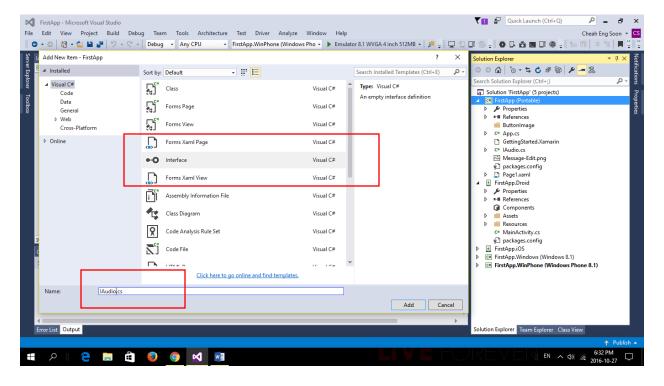
```
private void PhoneNo_TextChanged(object sender,TextChangedEventArgs e)
{
    //Temporary Storage for Phone Number from txtxPhoneNumber
    var phonenumber = txtPhoneNumber.Text;
    Application.Current.Properties["PhoneNo"] = phonenumber;
}
```

4. Play Audio for Alarm

1. Right Click "FirstApp(Portable)" Solution, select "Add", and "New item".

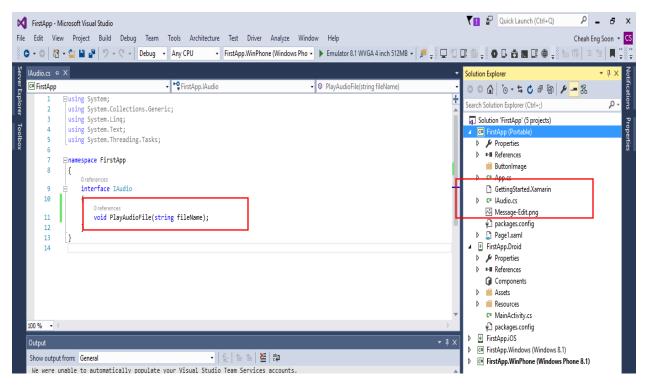


2. Select "Interface" and name the class as "IAudio.cs"



3. "IAudio.cs" Success created, And Insert this line of code as below.

void PlayAudioFile(string filename);



4. Go to "HomePage.xaml" add event handler for "btnalarm"

```
<Button x:Name="btnalarm" Grid.Row="1" Grid.Column="1" Text="Alarm" Image="alarm.png"
Clicked="OnAlertYesNoClicked" />
```

And

Add the backend function to play the alarm sound.

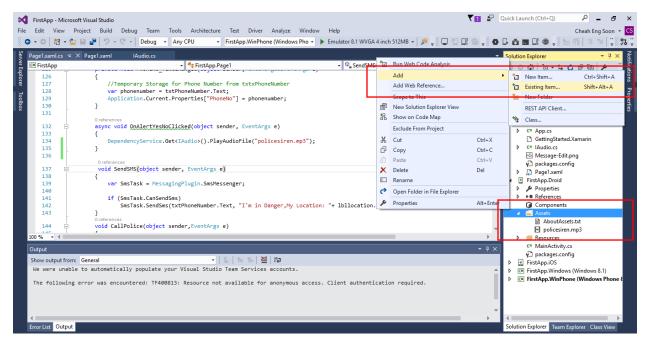
```
Oreferences
async void OnAlertYesNoClicked(object sender, EventArgs e)
{
    DependencyService.Get<IAudio>().PlayAudioFile("MySong.mp3");
}
```

- 5. Now add the "policeSiren.mp3" to iOS & Android.
- **iOS: file should be added to the Resources folder
- **Android: file should be added to the Assets folder

For Android

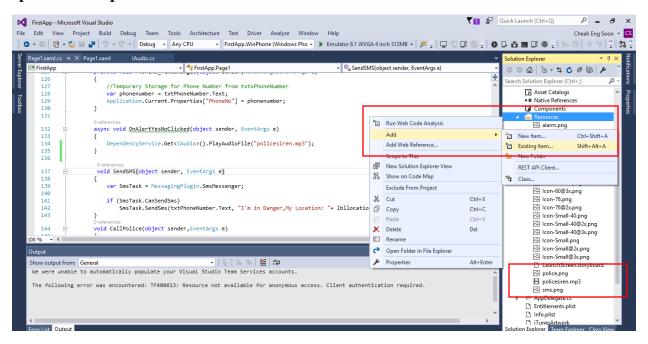
========

Go to "FirstApp.Droid", Select "Assets" folder and select "Add" and "Existing item". Add "policesiren.mp3"

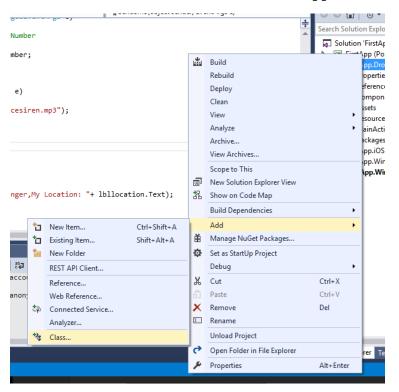


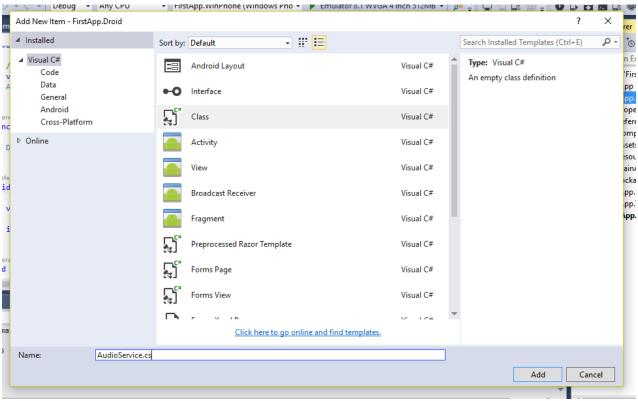
For iOS

Go to "FirstApp.iOS", Select "Resources" folder, select "Add" and "Existing Item". Add "policesiren.mp3"



6. Add class "AudioService.cs" to FirstApp.Droid.





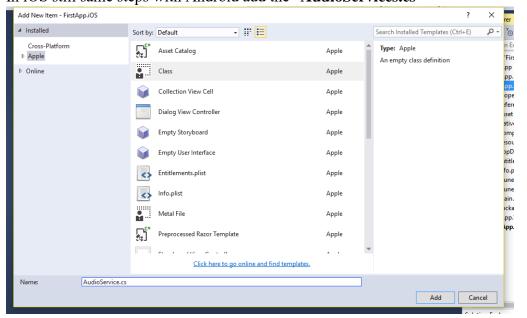
And add the Code to "AudioServices.cs"

```
AudioService.cs + X Page1.xaml.cs
                                                                                                                                                  Page1.xaml
                                                                                                                                                                                                                IAudio.cs
C# Miscellaneous Files

→ Ø AudioServ

                                                                                                                                                                                                 ▼ National Provided Provid
                                                   using Android.Views;
                   10
                   11
                                                   using Android.Widget;
                  12
                                                  using Android.Media;
                   13
                   14
                                                  [assembly: Dependency(typeof(AudioService))]
                   15
                   16
                                            ⊟namespace FirstApp.Droid
                   17
                   18
                                                  {
                                                                   -references
                   19
                                                                   class AudioService: IAudio
                   20
                                                                                   -references
                                                                                   public AudioService()
                   22
                   23
                                                                                   }
                   24
                                                                                    -references
                   25
                                                                                   public void PlayAudioFile(string fileName)
                   26
                                                                                                    var player = new MediaPlayer();
                   27
                                                                                                    var fd = global::Android.App.Application.Context.Assets.OpenFd(fileName);
                   28
                                                                                                    player.Prepared += (s, e) =>
                   29
                   30
                                                                                                                   player.Start();
                   31
                   32
                                                                                                    player.SetDataSource(fd.FileDescriptor, fd.StartOffset, fd.Length);
                   33
                   34
                                                                                                   player.Prepare();
                   35
                   36
                                                                   }
                   37
                                               }
```

7. In iOS still same steps with Android add the "AudioServices.cs"



And Add the code to "AudioServices.cs"

```
lAudio.cs
                 AudioService.cs* ≠ X
server Explorer
   FirstApp.iOS
                                                      → * FirstApp.iOS.AudioService

→ Ø AudioService

         11
                 //using MonoTouch.Foundation;
                 //using MonoTouch.UIKit;
         12
         13
         14
                [assembly: Dependency(typeof(AudioService))]
         15
         16
               □namespace FirstApp.iOS
         17
                 {
         18
                     public class AudioService : IAudio
         19
         20
                         public AudioService()
         21
         22
         23
                         0 references
                         public void PlayAudioFile(string fileName)
         24
         25
                             string sFilePath = NSBundle.MainBundle.PathForResource
         26
         27
                              (Path.GetFileNameWithoutExtension(fileName), Path.GetExtension(fileName));
                             var url = NSUrl.FromString(sFilePath);
         28
         29
                             var _player = AVAudioPlayer.FromUrl(url);
                             _player.FinishedPlaying += (object sender, AVStatusEventArgs e) => {
         30
                                  _player = null;
         31
         32
                             };
         33
                              _player.Play();
         34
                         }
         35
                     }
         36
                }
```

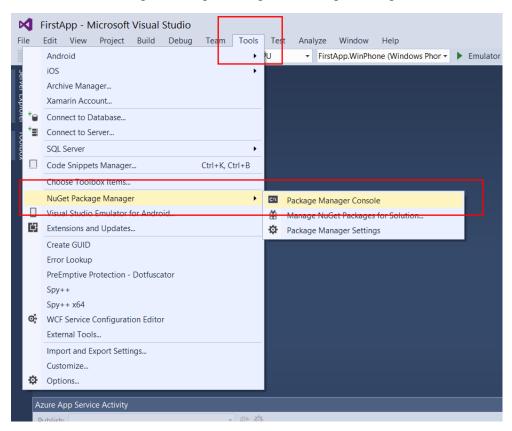
UWP/Windows/Windows Phone 8.1

Temporary unavailable

Chapter 3: Plugin

Geolocator Plugin

1. Go to Tools > Nuget Package Manager > Package Manager Console.



2. Key In the Command & Enter for installation of Library.

Install-Package Xam.Plugin.Geolocator -Version 3.0.4

```
Package Manager Console
                                         ▼ 🌣 Default project: FirstApp
                                                                                                       - X
Package source: nuget.org
Successfully installed Aam. Plugins. Messaging 3.2.1 to FirstApp
PM> Install-Package Xam.Plugin.Geolocator -Version 3.0.4
At tempting to gather dependency information for package 'Xam.Plugin.Geolocator.3.0.4' with respect to project 'FirstApp', targeting
'.NETPortable, Version=v4.5, Profile=Profile259
Attempting to resolve dependencies for package 'Xam.Plugin.Geolocator.3.0.4' with DependencyBehavior 'Lowest'
Resolving actions to install package 'Xam.Plugin.Geolocator.3.0.4'
Resolved actions to install package 'Xam.Plugin.Geolocator.3.0.4'
 GET https://www.nuget.org/api/v2/package/Xam.Plugin.Geolocator/3.0.4
 OK https://www.nuget.org/api/v2/package/Xam.Plugin.Geolocator/3.0.4 1429ms
Installing Xam.Plugin.Geolocator 3.0.4.
Adding package 'Xam.Plugin.Geolocator.3.0.4' to folder 'C:\Users\User\Documents\Visual Studio 2015\Projects\FirstApp\packages'
Added package 'Xam.Plugin.Geolocator.3.0.4' to folder 'C:\Users\User\Documents\Visual Studio 2015\Projects\FirstApp\packages'
Added package 'Xam.Plugin.Geolocator.3.0.4' to 'packages.config'
Successfully installed 'Xam.Plugin.Geolocator 3.0.4' to FirstApp
```

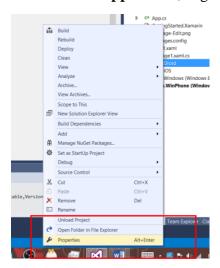
3. Go to **HomePage.xaml.cs** add the Function for retrieve the location details **GetGPS()**; at Below **InitializeComponent()**;

```
And Enter the Code Below
private async void GetGPS()
       try
         var locator = CrossGeolocator.Current;
         locator.DesiredAccuracy = 1000;
         lbllocation.Text = "Getting gps";
          var position = await locator.GetPositionAsync(timeoutMilliseconds: 10000);
         if (position == null)
            lbllocation.Text = "null gps :(";
            return;
         lbllocation.Text = string.Format("Time: {0} \nLat: {1} \nLong: {2}"+
           "\nAltitude: {3} \nAltitude Accuracy: {4} \nAccuracy: {5} \nHeading: {6} \nSpeed:
{7}",
            position. Timestamp, position. Latitude, position. Longitude,
            position. Altitude, position. Altitude Accuracy, position. Accuracy, position. Heading,
position.Speed);
       catch //(Exception ex)
         // Xamarin.Insights.Report(ex);
         // await DisplayAlert("Uh oh", "Something went wrong, but don't worry we captured it
in Xamarin Insights! Thanks.", "OK");
     }
```

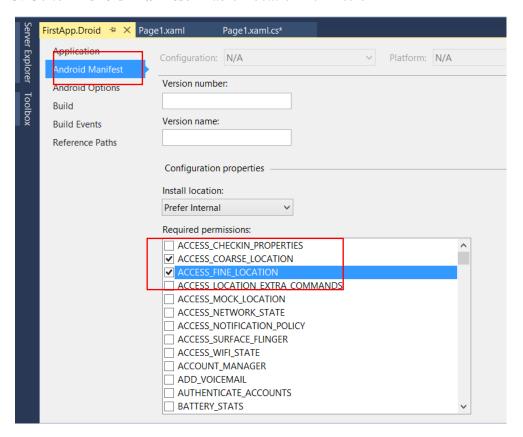
```
protected override void OnAppearing()
       base.OnAppearing();
       try
         CrossGeolocator.Current.PositionChanged +=
CrossGeolocator_Current_PositionChanged;
         CrossGeolocator.Current.PositionError += CrossGeolocator_Current_PositionError;
       catch
    }
    void CrossGeolocator Current PositionError(object sender,
Plugin.Geolocator.Abstractions.PositionErrorEventArgs e)
       lbllocation.Text = "Location error: " + e.Error.ToString();
    void CrossGeolocator_Current_PositionChanged(object sender,
Plugin.Geolocator.Abstractions.PositionEventArgs e)
       var position = e.Position;
       lbllocation.Text = string.Format("Time: {0} \nLat: {1} \nLong: {2} \nAltitude: "
         +"{3} \nAltitude Accuracy: {4} \nAccuracy: {5} \nHeading: {6} \nSpeed: {7}",
         position. Timestamp, position. Latitude, position. Longitude,
         position. Altitude, position. Altitude Accuracy, position. Accuracy, position. Heading,
position.Speed);
    }
    protected override void OnDisappearing()
       base.OnDisappearing();
       try
         CrossGeolocator.Current.PositionChanged -=
CrossGeolocator_Current_PositionChanged;
         CrossGeolocator.Current.PositionError -= CrossGeolocator_Current_PositionError;
       catch
```

{ } }

4. Go to FirstApp.Droid, Right Click > Select Properties

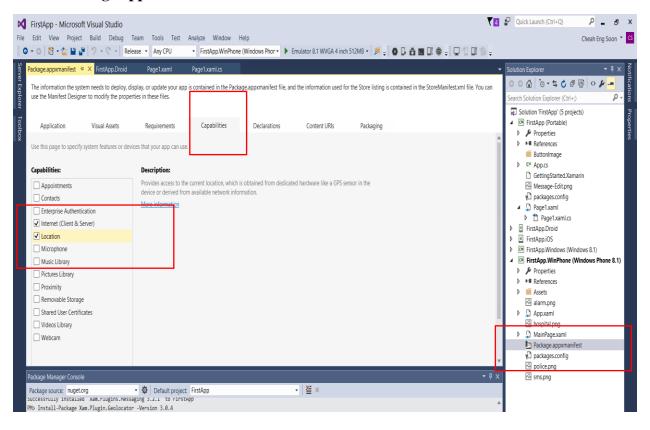


5. Go to Android Manifest Enable Location Permission



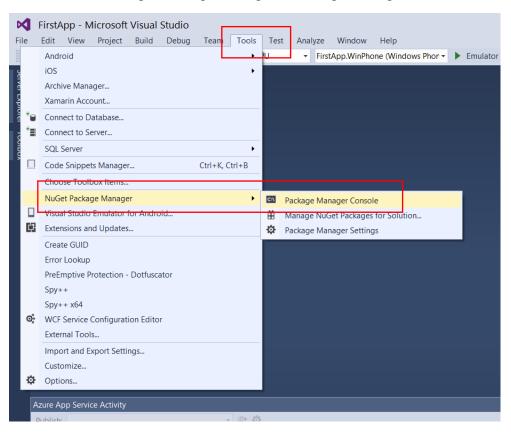
For Windows Phone/Windows/UWP

Go to "Package.appxmanifest" to Enable Location Services



SMS & Call Plugin

1. Go to Tools > Nuget Package Manager > Package Manager Console.



2. Enter the Command & Enter for installation of Library.

Install-Package Xam.Plugins.Messaging

```
Package Manager Console
                                               ▼ 🌣 Default project: FirstApp
 Package source: nuget.org
 which are governed by additional licenses. Follow the package source (feed) UKL to determine any dependencies.
Package Manager Console Host Version 3.4.4.1321
Type 'get-help NuGet' to see all available NuGet commands.
    Install-Package Xam.Plugins.Messaging
Attempting to gather dependency information for package 'Xam.Plugins.Messaging.3.2.1' with respect to project 'FirstApp', targeting '.METPortable, Version v4.5, Profile Profile259'
Attempting to resolve dependencies for package 'Xam.Plugins.Messaging.3.2.1' with DependencyBehavior 'Lowest'
Resolving actions to install package 'Xam.Plugins.Messaging.3.2.1
Resolved actions to install package 'Xam.Plugins.Messaging.3.2.1'
 GET https://www.nuget.org/api/v2/package/Xam.Plugins.Messaging/3.2.1
  OK https://www.nuget.org/api/v2/package/Xam.Plugins.Messaging/3.2.1 3340ms
Installing Xam.Plugins.Messaging 3.2.1.
Adding package 'Xam.Plugins.Messaging.3.2.1' to folder 'C:\Users\User\Documents\Visual Studio 2015\Projects\FirstApp\packages'
Added package 'Xam.Plugins.Messaging.3.2.1' to folder 'C:\Users\User\Documents\Visual Studio 2015\Projects\FirstApp\packages
Added package 'Xam.Plugins.Messaging.3.2.1' to 'packages.config'
Successfully installed 'Xam.Plugins.Messaging 3.2.1' to FirstApp
100 %
```

3. Go to **HomePage.xaml** create an event handler for Call & SMS Function

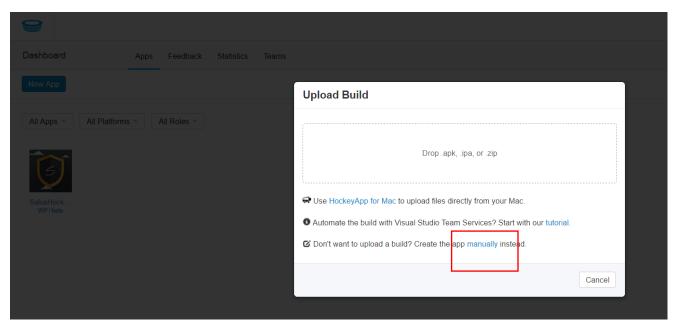
4. Go to **HomePage.xaml.cs** add the Backend Code.

```
void SendSMS(object sender, EventArgs e)
{
    var SmsTask = MessagingPlugin.SmsMessenger;
    if (SmsTask.CanSendSms)
        SmsTask.SendSms(txtPhoneNumber.Text, "I'm in Danger, My Location: "+ lbllocation.Text);
}
void CallPolice(object sender,EventArgs e)
    //Don't forgot to enable ID_CAP_PHONEDAILER on manifest file
    var PhoneCallTask = MessagingPlugin.PhoneDialer;
    if (PhoneCallTask.CanMakePhoneCall)
        PhoneCallTask.MakePhoneCall("999");
}
void CallHospital(object sender, EventArgs e)
    //Don't forgot to enable ID_CAP_PHONEDAILER on manifest file
    var PhoneCallTask = MessagingPlugin.PhoneDialer;
    if (PhoneCallTask.CanMakePhoneCall)
        PhoneCallTask.MakePhoneCall("999");
}
```

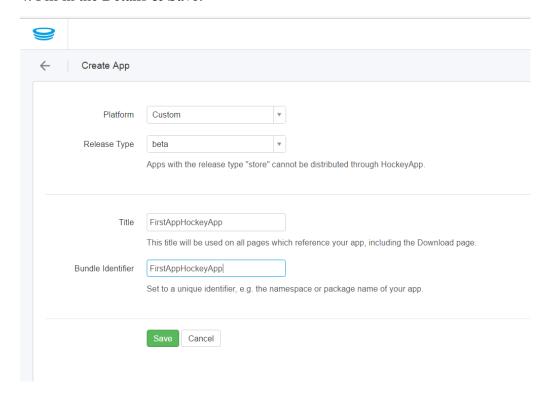
5. Enable the **CALL_PHONE** and **SEND_SMS** in Android Manifest . For WindowsPhone/UWP enable **ID_CAP_PHONEDAILER**

CHAPTER 4: Integrate with HockeyApp

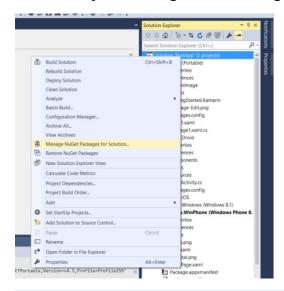
- 1. Go to https://hockeyapp.net/
- 2. Sign Up with your Microsoft Account
- 3. Create a New App and Select "manually"

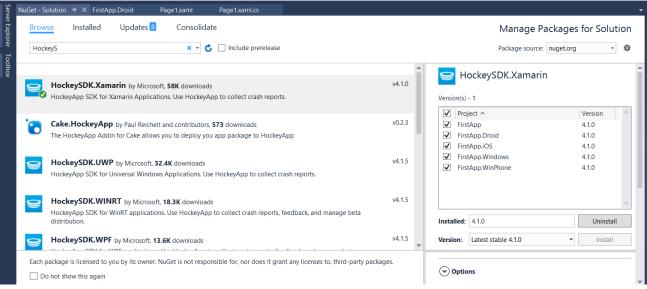


4. Fill in the Details & Save.



5. Go to Project > Manage NuGet Packages And Search HockeySDK.Xamarin





For Android

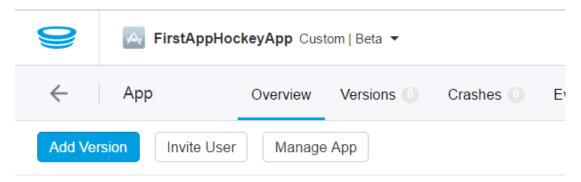
Open MainActivity.cs

```
MainActivity.cs → × AppDelegate.cs
                                                             FirstApp.Droid* Page1.xaml

    Miscellaneous Files

                                                                                                                         ▼ OnCreate(Bundle bundle)
             using Android.App;
using Android.Content.PM;
             using Android.Runtime;
using Android.Views;
            using Android.Widget;
using Android.OS;
    10
           ■namespace FirstApp.Droid
    11
12
13
14
                  [Activity(Label = "FirstApp", Icon = "@drawable/icon", Theme = "@style/MainTheme", MainLauncher = true, ConfigurationChanges = ConfigChanges.Scr
                  public class MainActivity : global::Xamarin.Forms.Platform.Android.FormsAppCompatActivity
                        rotected override void OnCreate(Bundle bundle)
    15
16
17
18
19
20
21
22
                           TabLayoutResource = Resource.Layout.Tabbar;
                           ToolbarResource = Resource.Layout.Toolbar;
                           base.OnCreate(bundle):
                           global::Xamarin.Forms.Forms.Init(this, bundle);
    23
                           CrashManager.Register(this, "$Your_App_Id");
```

Replace "\$Your App Id" That you can get in Hockey App.



FirstAppHockeyApp FirstAppHockeyApp

App ID: Secret: Show

Download & Feedback

Private Page

For iOS

1. Open **AppDelegate.cs** and add this new line of code.

```
View Project Build Debug Team Tools Test Analyze Window Help
FirstApp.WinPhone (Windows Phon 🔻 🕨 Emulator 8.1 WVGA 4 inch 512MB 🔻 🍠 🚅 💽 🚺 🚮 🔣 🖫 🚳 🚅 🕥 🗓 🖺 🚳
    C# FirstApp.iOS

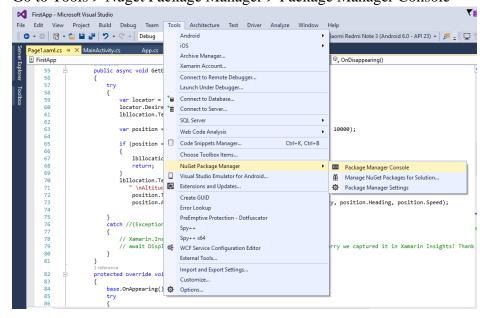
    firstApp.iOS.AppDelegate

                                                                                                            ▼ SinishedLaunching(UIApplication app, NSDictionary options)
                      The UIApplicationDelegate for the application. This class is responsible for launching the
                   // User Interface of the application, as well as listening (and optionally responding) to
                   // application events from iOS.
        14
                   [Register("AppDelegate")]
                   public partial class AppDelegate : global::Xamarin.Forms.Platform.iOS.FormsApplicationDelegate
        15
        16
        18
                       \ensuremath{//} This method is invoked when the application has loaded and is ready to run. In this
                       // method you should instantiate the window, load the UI into it and then make the window
        19
                       // visible.
        20
        21
        22
                       // You have 17 seconds to return from this method, or iOS will terminate your application.
        23
        24
                       public override bool FinishedLaunching(UIApplication app, NSDictionary options)
        26
                           global::Xamarin.Forms.Forms.Init();
        27
                           LoadApplication(new App());
        28
        29
                           return base.FinishedLaunching(app, options);
                           var manager = BITHockeyManager.SharedHockeyManager;
        31
                           manager.Configure("$Your_App_Id");
        32
        33
                           manager.StartManager();
        35
```

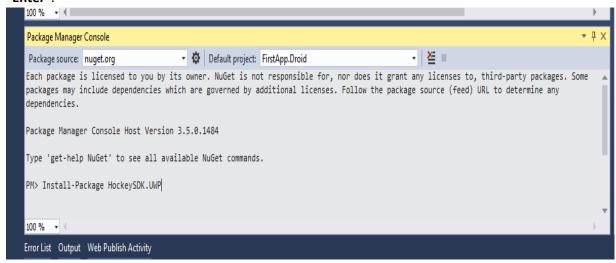
For UWP

https://www.hockeyapp.net/blog/2016/10/18/the-latest-on-hockeysdk-for-uwp.html

1. Go to Tools > Nuget Package Manager > Package Manager Console



2. Enter the Command "Install-Package HockeySDK.UWP" in the PowerShell Host. And Press "Enter".



3. In the $App.xaml.cs > App\ class\ constructor$, add the following line using the App ID from the overview page of your app on the HockeyApp web app:

Microsoft.HockeyApp.HockeyClient.Current.Configure("Your-App-ID");

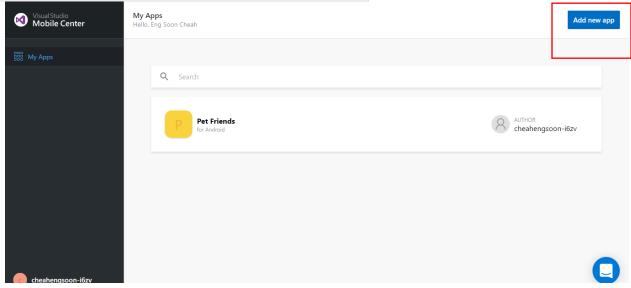
4. Make sure Internet(Client) capability is enabled in the package manifest

Chapter 5: Integrate your App with Visual Studio Mobile Center

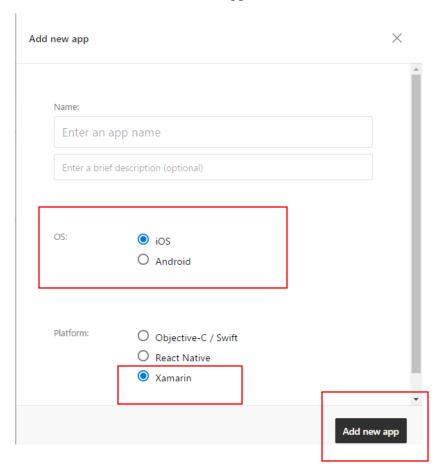
Go to Visual Studio Mobile Center: https://mobile.azure.com/login

Login with your Microsoft Account or GitHub Account

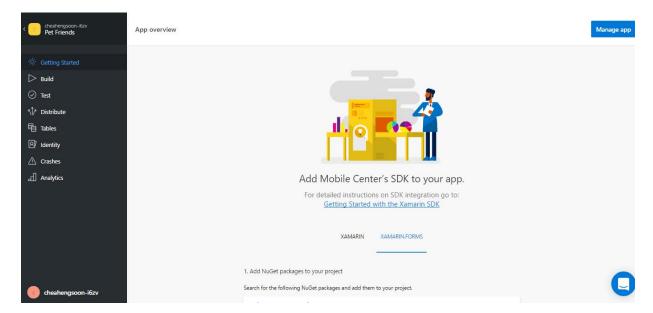
Click "Add a new App" on your Right hand side top corner



Enter your App information and select your OS: iOS or Android. And the platforms choose "Xamarin" and Click "Add new app"



Follow the instruction of Visual Studio Mobile Center instructions for Android and iOS.



Setup

Mobile Center SDK is designed with a modular approach – a developer only needs to integrate the modules of the services that they're interested in. If you'd like to get started with just Analytics or Crashes, include their packages in your app. For each iOS, Android and Forms project, add the Mobile Center Analytics and Mobile Center Crashes packages.

For Xamarin.Forms

Multiplatform Xamarin.Forms app has three projects in your solution - portable class library or shared library, project.Droid, project.iOS . You need to add NuGet packages to each of these projects.

- Navigate to the Project -> 'Add NuGet Packages...'
- Search and select "Mobile Center Analytics" and "Mobile Center Crashes". Then Click 'Add Packages'

For Xamarin for Visual Studio

- Navigate Project -> Manage NuGet Packages...
- Search and select "Mobile Center Analytics" and "Mobile Center Crashes". Then Click 'Add Packages'

Now that you've integrated the SDK in your application, it's time to start the SDK and make use of Mobile Center services.

Start the SDK

To start the Mobile Center SDK in your app, follow these steps:

1. **Add using statements:** Add the appropriate namespaces befor eyou get started with using our APIs.

Xamarin.iOS - Open AppDelegate.cs file and add the lines below the existing using statements

Xamarin.Android - Open MainActivity.cs file and add the lines below the existing using statements

Xamarin.Forms - Open App.xaml.cs file in your shared project and add these using statements

using Microsoft.Azure.Mobile;

using Microsoft.Azure.Mobile.Analytics;

using Microsoft.Azure.Mobile.Crashes;

2. **Start the SDK:** Mobile Center provides developers with two modules to get started – Analytics and Crashes. In order to use these modules, you need to opt in for the module(s) that you'd like, meaning by default no module is started and you will have to explicitly call each of them when starting the SDK.

Xamarin.iOS

Open AppDelegate.cs file and add the Start API in FinishedLaunching() method

MobileCenter.Start("{Your App Secret}", typeof(Analytics), typeof(Crashes));

Xamarin.Android

Open MainActivity.cs file and add the Start API in OnCreate() method

MobileCenter.Start("{Your App Secret}", typeof(Analytics), typeof(Crashes));

Xamarin.Forms

Start SDK call is split into two methods for Xamarin. Forms. That's because you need two different AppSecrets - one for iOS and other for your Android app. Open **App.xaml.cs** file in your shared project and add the API below in the **App()** constructor.

MobileCenter.Start(typeof(Analytics), typeof(Crashes));

In the **iOS** project of the Forms app, open **AppDelegate.cs** and add the API in FinishedLaunching() method

MobileCenter.Configure("{Your iOS App Secret}");

In the Droid project of the Forms app, open **MainActivity.cs** and add the API in **OnCreate()** method

MobileCenter.Configure("{Your Android App Secret}");

References: https://docs.mobile.azure.com/sdk/Xamarin/getting-started/

References:

Microsoft Virtual Academy

https://mva.microsoft.com/en-US/training-courses/xamarin-for-absolute-beginners-16182

Xamarin Malaysia Developers

https://www.facebook.com/groups/xamarinmydev/

HockeyApp

https://hockeyapp.net/

Source Code

https://github.com/cheahengsoon/FirstXamarinFormsApp

Visual Studio Mobile Center

https://mobile.azure.com/