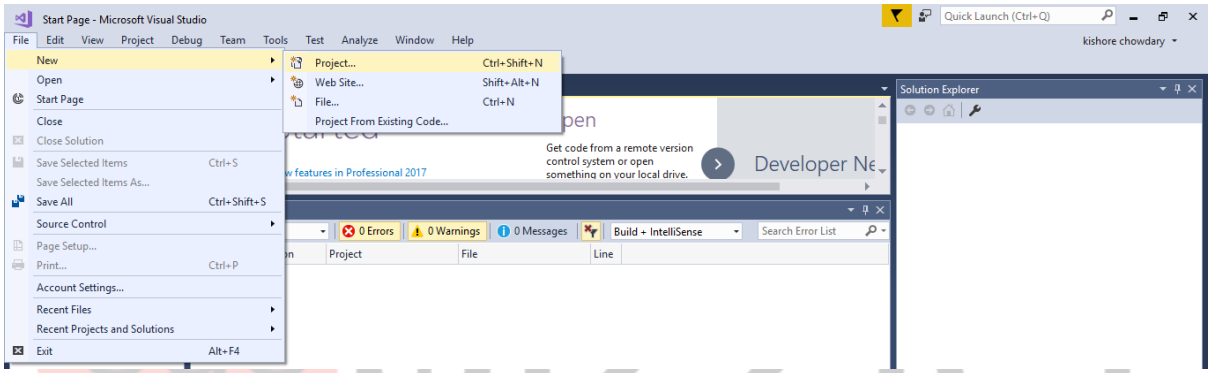
Android Web View using Xamarin Android

The following document is for creating an android application that can act as a web view. It is similar to a web browser. But here we will not have any controls. The direct URL of the website can be given and we can access it directly from the application. Let us see the steps now.

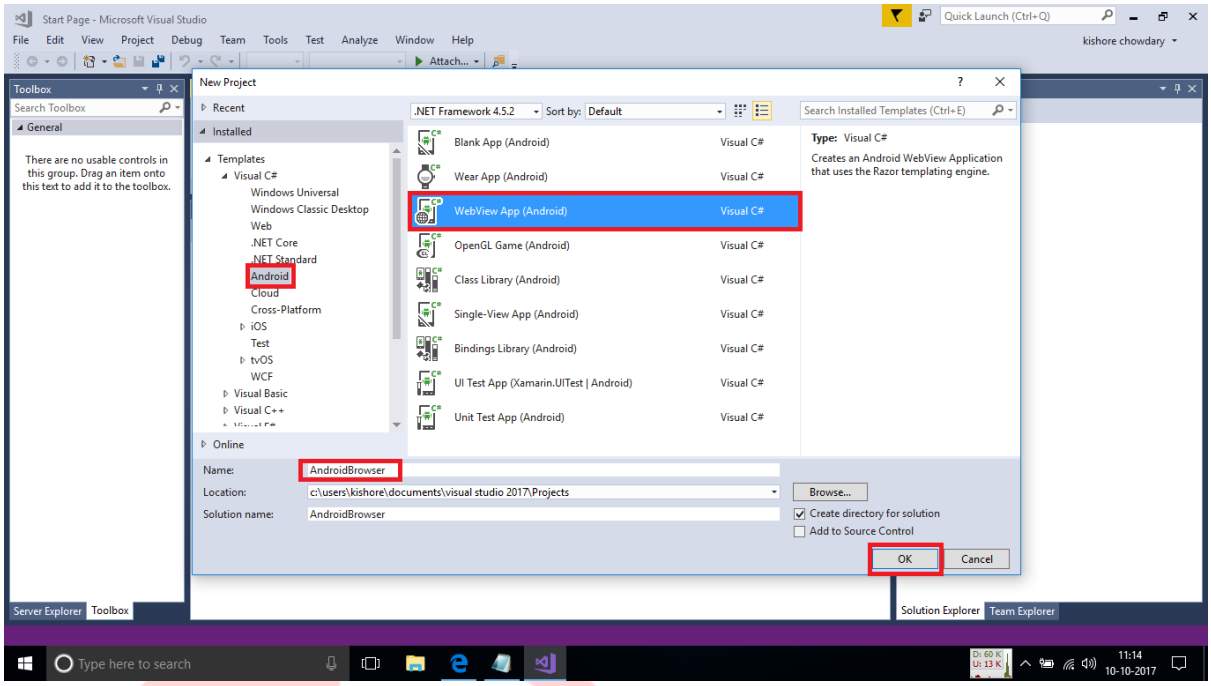
Step 1:

Open the Visual studio. The version can be even Visual studio 2015 with an update that supports Xamarin development. After opening the visual studio go to **New→Project.**



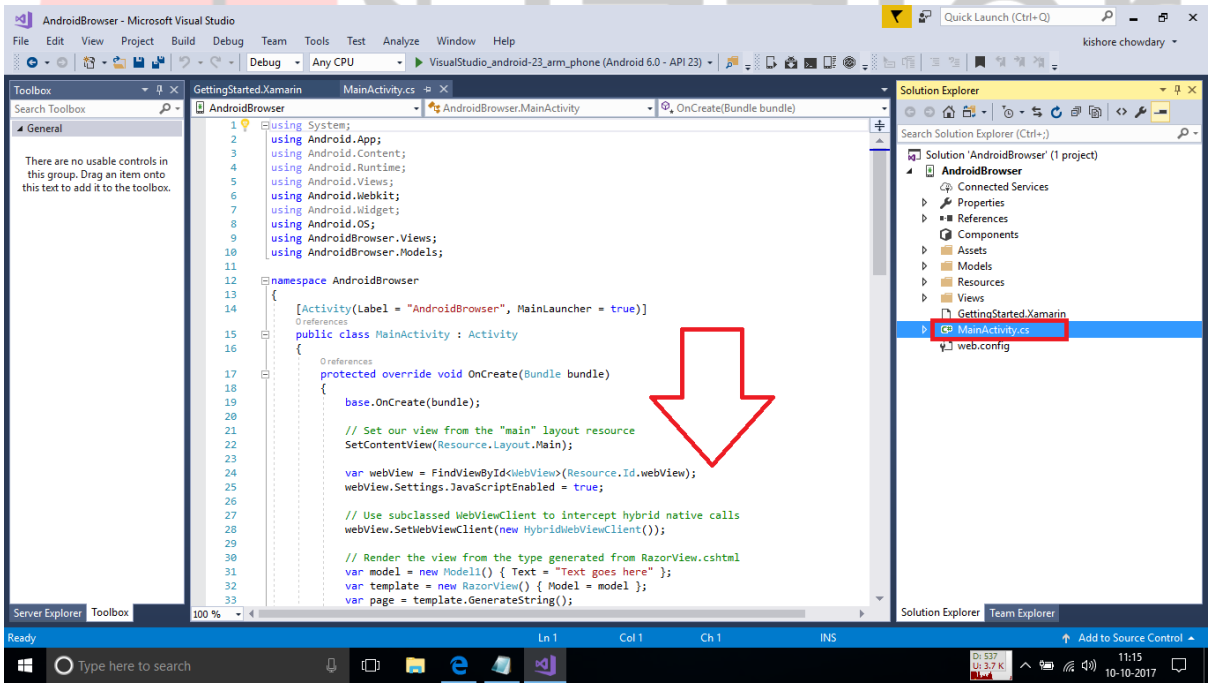
Step 2:

Next you have to choose your platform and technology. In the left side menu choose **Android.** Next in the options that are displayed, choose the **WebViewApp (Android).** After doing this, name the app as **AndroidBrowser** and click on **ok.**

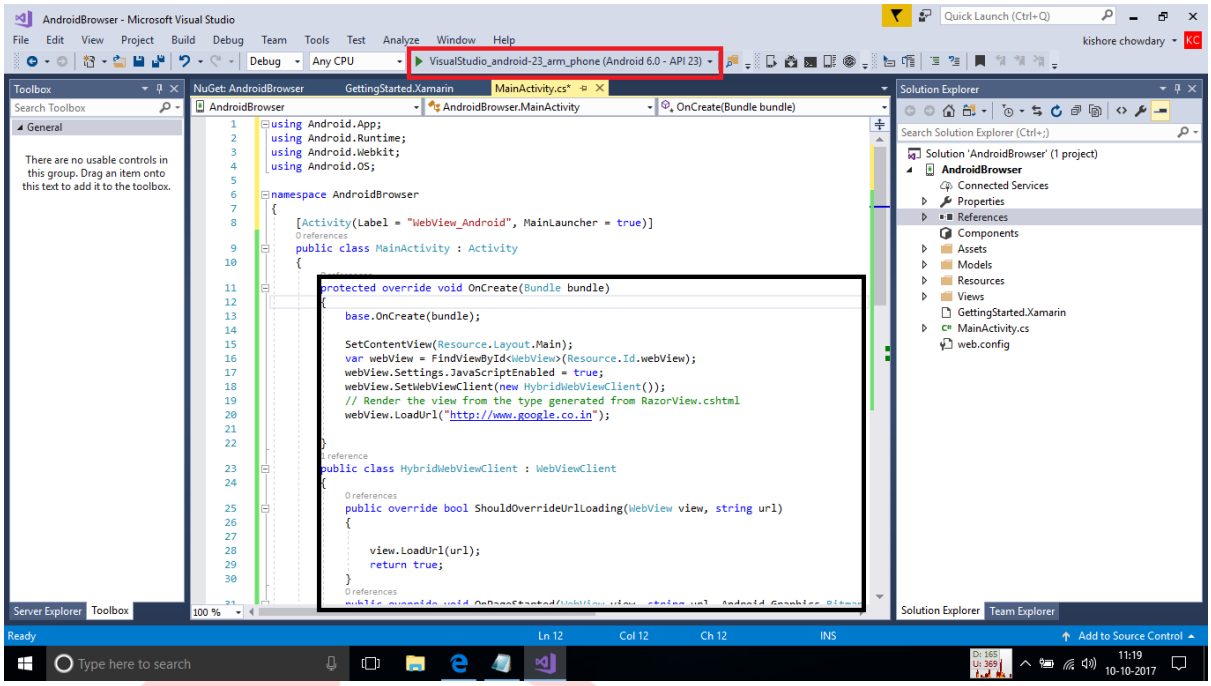


Step 3:

Once the project gets created, click on the **MainActivity.cs** on the solution explorer which is in the right side. This will display you with a page that consists of some code.



Here, replace the code with the below given code. Once you replace the code, you will be getting a page like this. You can find the code next to this image.



MainActivity.cs:

```
using Android.App;
using Android.Runtime;
using Android.Webkit;
using Android.OS;

namespace AndroidBrowser
{
   [Activity(Label = "WebView_Android", MainLauncher = true)]
   public class MainActivity : Activity
   {
      protected override void OnCreate(Bundle bundle)
      {
         base.OnCreate(bundle);

         SetContentView(Resource.Layout.Main);
         var webView = FindViewById<WebView>(Resource.Id.webView);
         webView.Settings.JavaScriptEnabled = true;
         webView.SetWebViewClient(new HybridWebViewClient());
         // Render the view from the type generated from RazorView.cshtml
         webView.LoadUrl("http://www.google.co.in");

      }
```

```
    public class HybridWebViewClient : WebViewClient
    {
        public override bool ShouldOverrideUrlLoading(WebView view, string url)
        {

            view.LoadUrl(url);
            return true;
        }
        public override void OnPageStarted(WebView view, string url, Android.Graphics.Bitmap favico
n)
        {
            base.OnPageStarted(view, url, favicon);
        }
        public override void OnPageFinished(WebView view, string url)
        {
            base.OnPageFinished(view, url);
        }
        public override void OnReceivedError(WebView view, [GeneratedEnum] ClientError errorCod
e, string description, string failingUrl)
        {
            base.OnReceivedError(view, errorCode, description, failingUrl);
        }
    }
  }

}
```

Step 4:

Once the design coding is done, press the **F5** button or click on the **green** button in the top of the page. This will deploy your code and display your application. You can even deploy the app in your android mobile by connecting it to your PC with developer mode enabled.


29 KB/s
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