Domenico Rosito

- Microsoft Student Partner
- Microsoft Intern
- App Maker

New
Generation

Microsoft
DreamSpark™

Un programma che sostiene l'istruzione tecnica fornendo accesso a software Microsoft a scopi di apprendimento, didattica e ricerca.

Windows 8

Risorse per l'apprendimento

Visual Studio 2012 Professional

E molto altro...

www.dreamspark.com

Microsoft®
BizSpark®

Un programma che aiuta le Software Startup a raggiungere il successo.

- Fornendo i Tool di Sviluppo
- Procurando contatti con aziende chiave del settore
- Procurando visibilità sul mercato
- Fornendo accesso alla piattaforma cloud Microsoft Azure
- Supporto tecnico e Business training

www.microsoft.com/bizspark

Due Starup di successo....

Paperlit

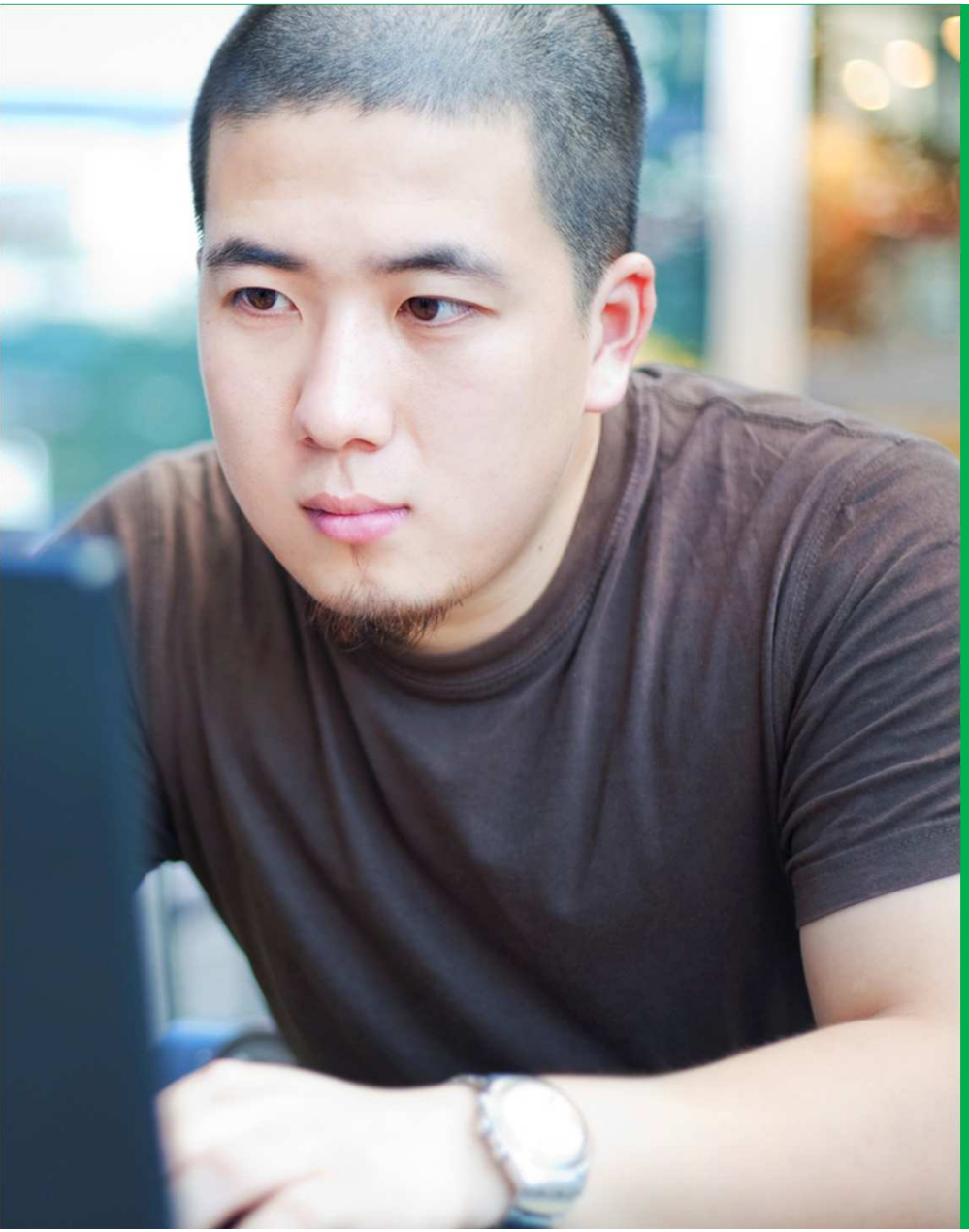
Ha conquistato il podio del Microsoft European BizSpark 2012 classificandosi al secondo posto tra le migliori Startup dell'anno. Offre risorse per la distribuzione mobile di contenuti editoriali tradizionali.

MopApp

Startup che sfrutta i servizi di cloud computing di Azure per offrire il monitoraggio vendite delle app. Coglie nel segno e vince l'edizione 2011 della competizione europea di Microsoft Bizspark.

Microsoft Student Partners

Un programma dedicato a studenti con un particolare background tecnico

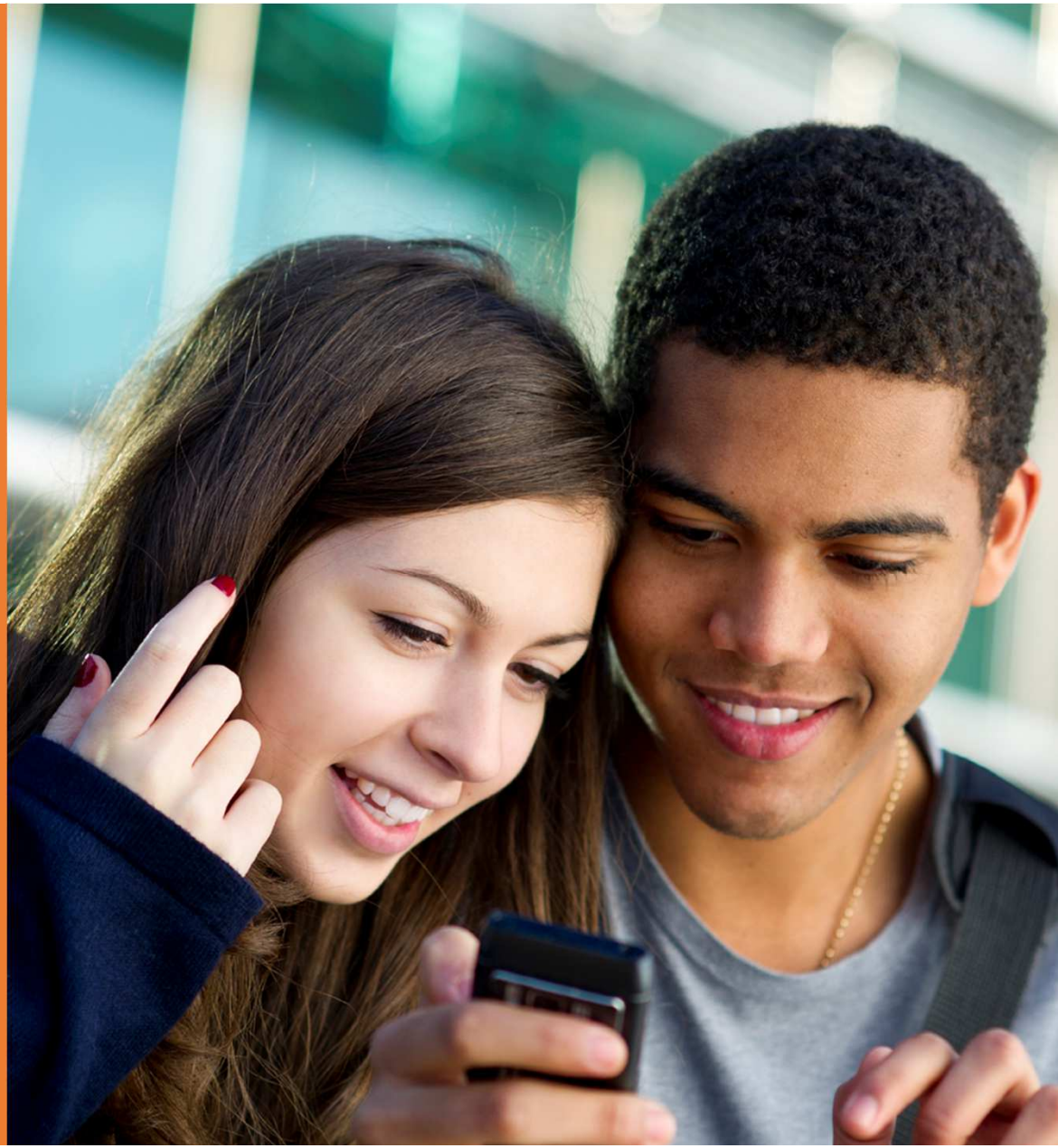


Realizzano eventi tecnici in tutto il territorio nazionale

www.microsoftstudentpartners.com

Windows Ambassadors

Un programma dedicato a studenti con un background non necessariamente tecnico ma con grande passione per la tecnologia



Russia 2013
imagine cup™
by Microsoft®
www.imaginecup.com

La più prestigiosa competizione sulla tecnologia per studenti

Hai una grande idea per una nuova app?

Imagine Cup è la miglior occasione per darle luce….

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Più di 300.000 $ in premio e i vincitori locali voleranno a San Pietroburgo

Games

Crea un gioco sulla tua piattaforma preferita: Windows (PC o Tablet), Windows Phone, XBOX Indie Games o Kinect!

Innovation

Usa la tua creatività per creare un'app con un'esperienza di utilizzo totalmente nuova!

World Citizenship

Crea un'app che aiuti a ridurre problemi come la fame nel mondo, i problemi ambientali, l'insegnamento nei paesi più poveri...

Windows 8, Windows Phone, Windows Azure

Io ce l'ho
fatta!

Microsoft® Students to Business

Un programma pensato per connettere le aziende partner e i clienti Microsoft con studenti qualificati.

Studenti

Aziende

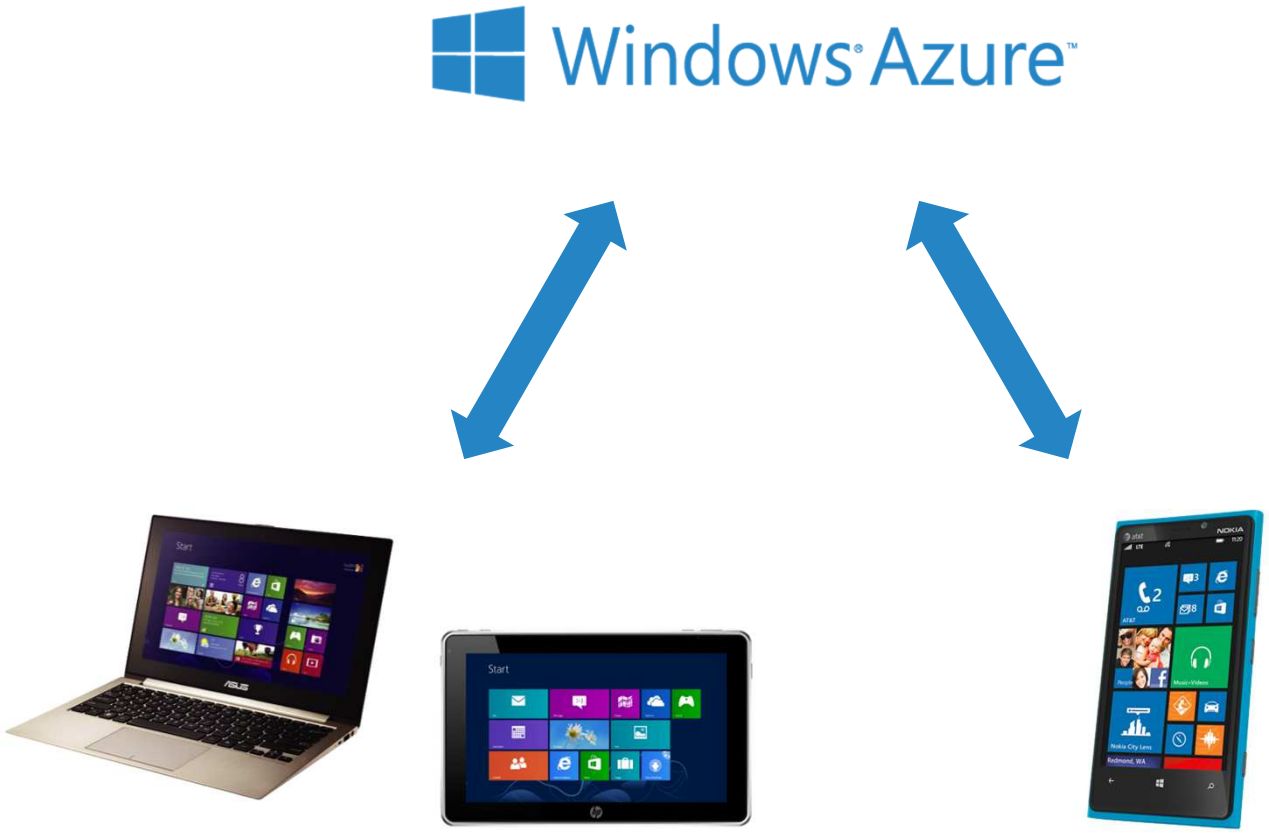
Un set di corsi di formazione e software gratuito che incrementeranno il tuo potenziale e certificheranno le tue competenze.

Students to Business ti aiuta a trovare il giusto candidato, facendoti risparmiare tempo ed energia nel lungo processo di ricerca ed assunzione.

http://www.microsoft.com/studentstobusiness/

Sviluppare app per Windows 8

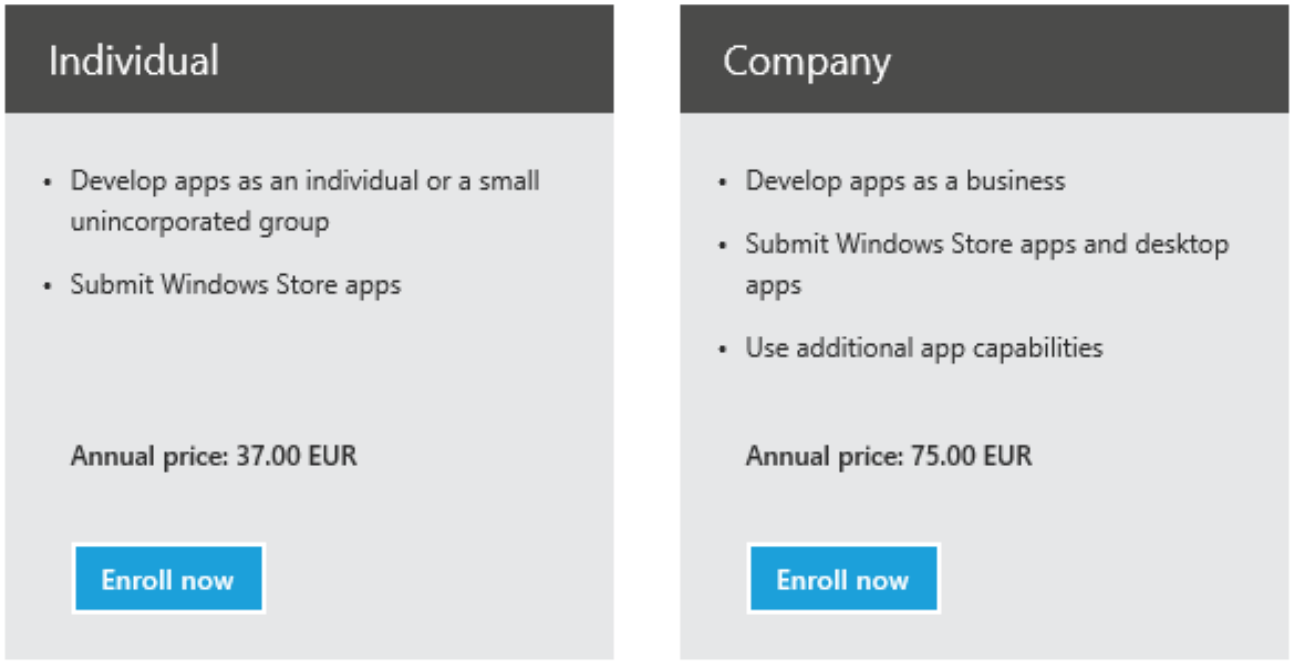
Creare la stessa app per
Windows 8 e Windows Phone 8
è semplice!


Windows Azure
Start
Start
NOKIA

Cosa serve per iniziare

Un account sviluppatore su

dev.windows.com



Cosa potrebbe servire ulteriormente

SDK per advertising

dev.windows.com

Account per advertising

pubcenter.microsoft.com

OPPORTUNITA’ DI GUADAGNO

Modalità di vendita

Trial + Paid

Paid

Advertising

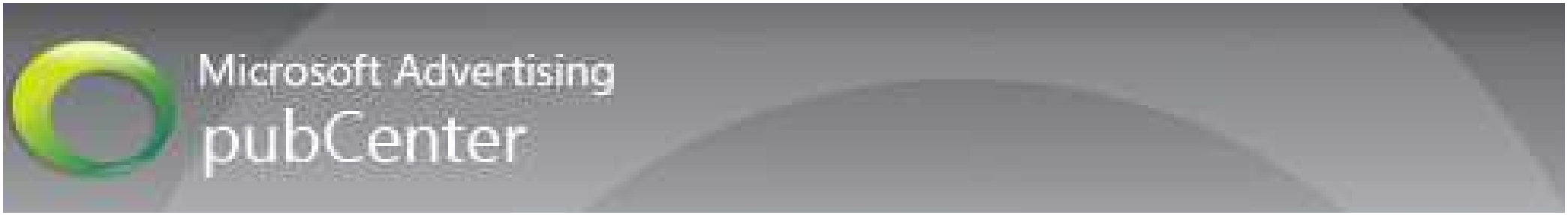
Free

In-app Purchase

www.apps4windows8.it

Esempio di Privacy policy

Le mie app effettuano l'accesso a siti esterni, consumandone contenuti. Le immagini e le informazioni sono prelevate da feed disponibili al pubblico gratuitamente.
Non conservo, nè trasmetto informazioni ai server (a titolo di esempio: indirizzi IP, e-mail, informazioni sull'utente) attraverso le app. Potreste essere comunque tracciati in seguito alla visita di uno dei link proposti dall'app e vi rimando alle informazioni sulla privacy dei rispettivi fornitori.
Le informazioni relative alle vostre preferenze di utilizzo dell'app (ad esempio, la grandezza del carattere) sono in genere salvate all'interno del vostro roaming profile, che è collegato al Microsoft account (se disponibile) con il quale avete effettuato il login in Windows. Queste informazioni non vengono registrate, né trasmesse, all'esterno.
Le informazioni contenute nelle app sono aggiornate alla data di pubblicazione. Declino ogni responsabilità circa imprecisioni o errori.

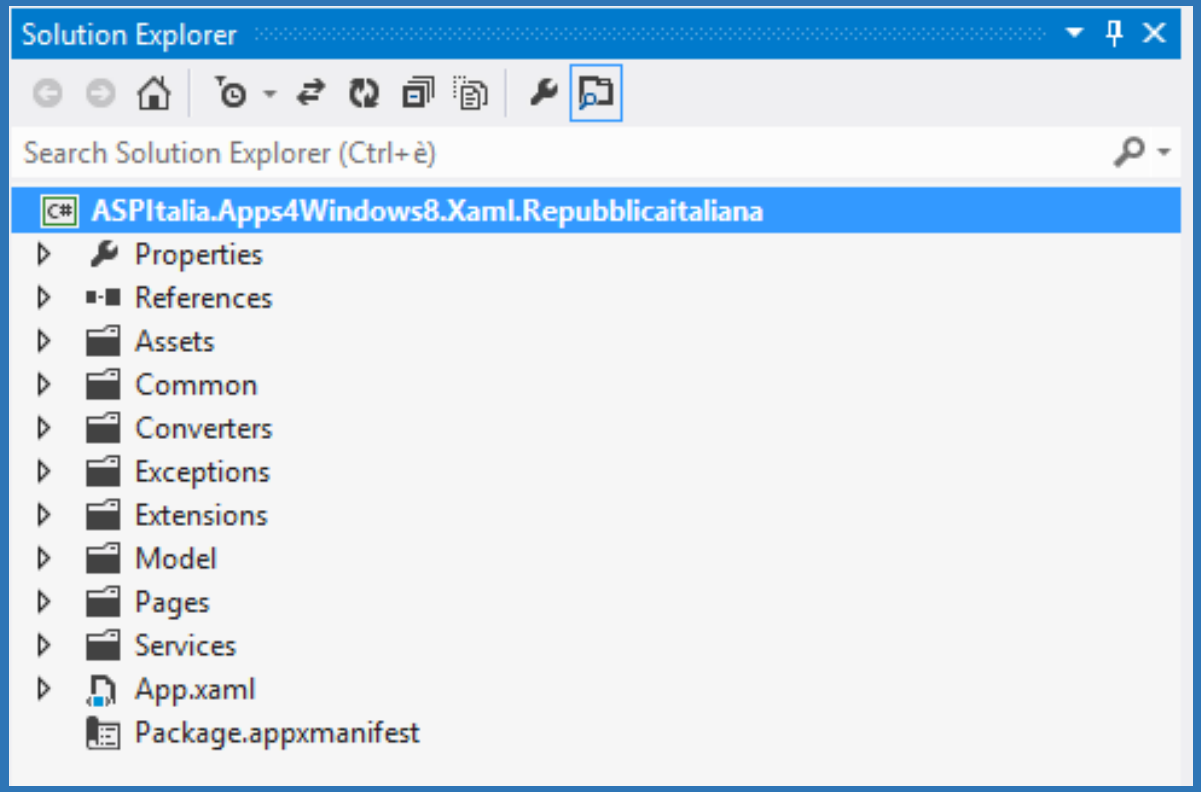


https://pubcenter.microsoft.com

Design and structure of a Modern App generated by the Framework:

www.apps4windows8.it

Project structure:



Important files:

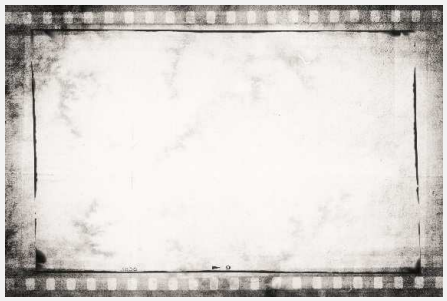
CustomStyles.xaml
(inside *Assets* folder)

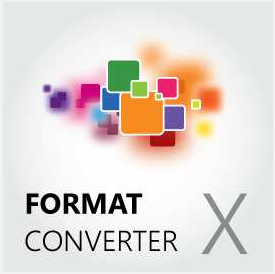
Package.appxmanifest

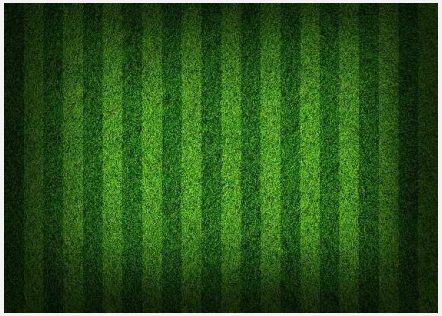
Autogenerated.cs
(inside *Services* folder)

These are the only ones which change depending on the user choices

Assets







It contains graphic resources and style information

CustomStyles.xaml

It contains declarations like:

```
<x:String x:Key="AppName">Repubblica Italiana RSS Unofficial</x:String>
<SolidColorBrush x:Key="ApplicationPageBackgroundBrush" Color="#555555" />
<SolidColorBrush x:Key="TitleForegroundBrush" Color="White" />
<SolidColorBrush x:Key="ListViewItemPlaceholderBackgroundBrush" Color="#FF242522" />
<SolidColorBrush x:Key="ListViewItemOverlayBackgroundBrush" Color="#B2242522" />
<SolidColorBrush x:Key="ListViewItemOverlayForegroundBrush" Color="#FFFFFFFF" />
<SolidColorBrush x:Key="ListViewItemSelectedBackgroundBrush" Color="#FF000000" />
```

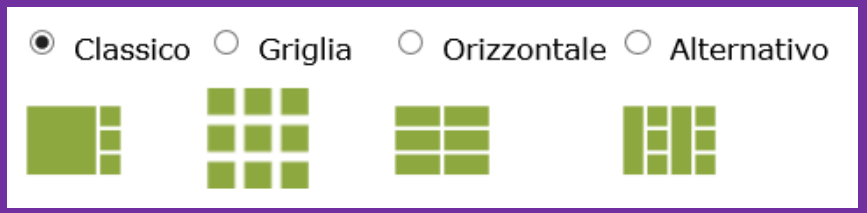
It specifies the App Name and some elements colors

Pages

This folder contains Pages and UserControls.
Each element is composed by an XAML file and a *cs* file:

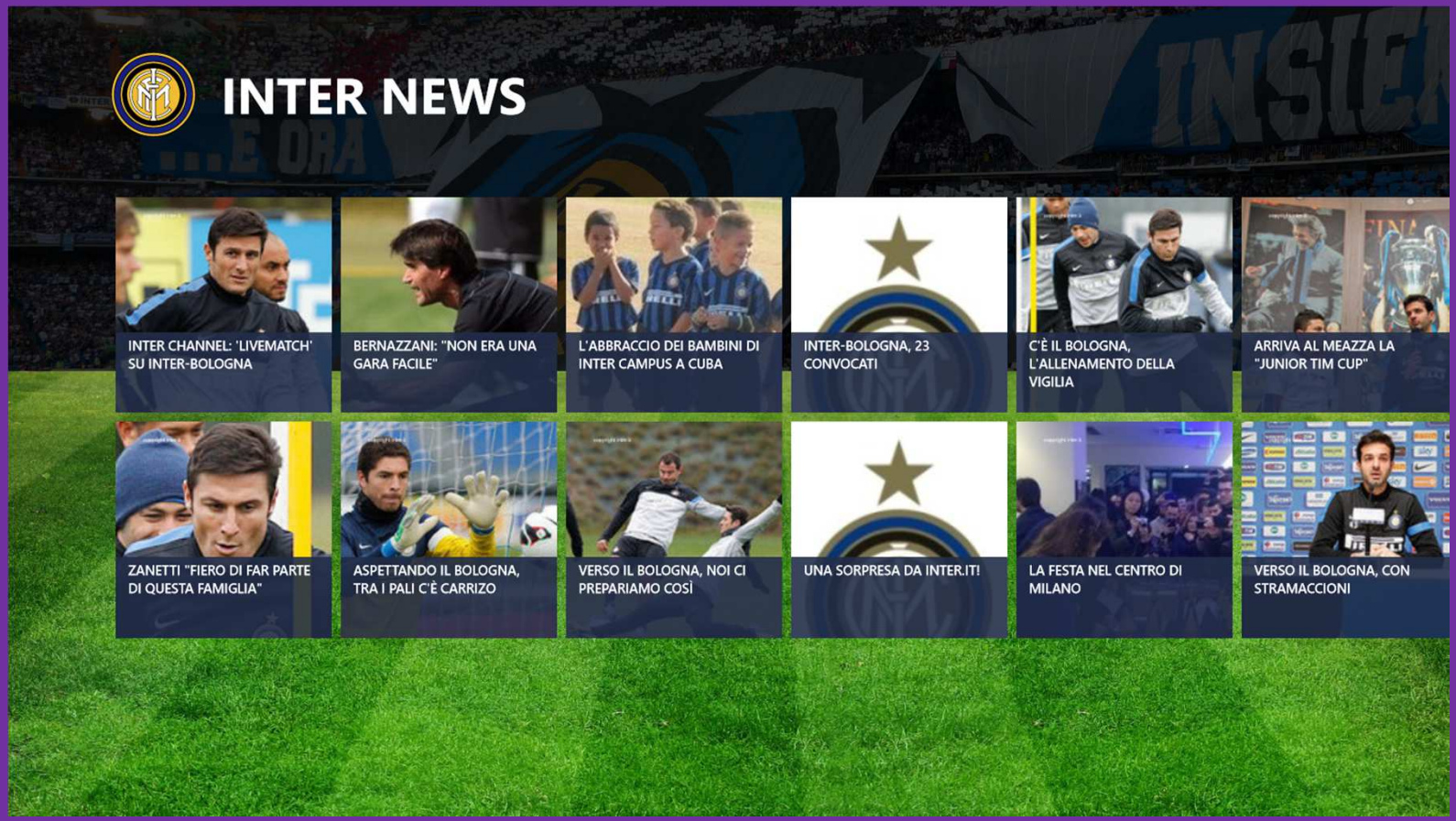
MainPage.xaml → Main Page Graphics (Home)

It can show the feeds preview managing 4 kinds of layouts:



MainPage.xaml.cs → Main Page (Home) Functionality

MainPage with Grid layout



Pages

GridPage.xaml

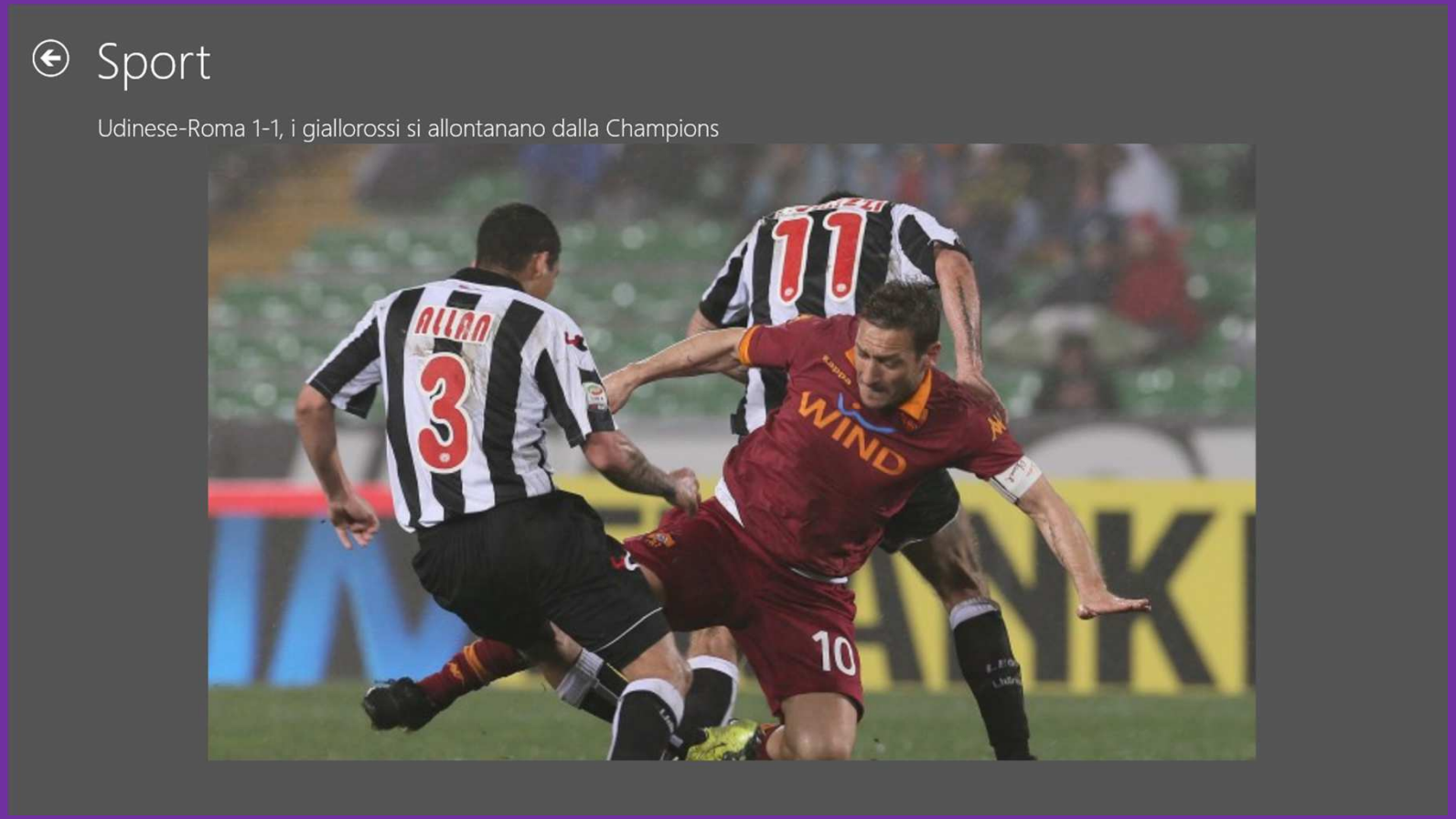
Page Graphics

It can show feed details with three kind of layouts: Grid, Photogallery and Videogallery

GridPage.xaml.cs

Page Functionality

GridPage with PhotoGallery layout



Pages

NewsGridPage.xaml

Page Graphics

It can show feed details with the News layout

NewsGridPage.xaml.cs

Page Functionality

NewsGridPage (layout News)

Mixed Metal :: Gold skirt & Silver mirrored clutch

Happy Friday everyone!

I've heard that silver and gold do not mix. But with women experimenting more with layering jewelry, I wanted to extend the concept of mixed metal to an outfit. And my mirrored clutch helped ignite this desire. Even though its dominate color is silver, it has two gold concave pyramids. Using the clutch as the centerpiece of my inspiration board, I paired it with icy tones on top, warm hues at the bottom, and reconnected the accessories with silver pumps.

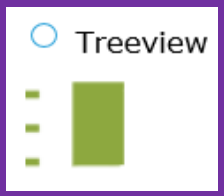
The beauty of a mirrored item is that at certain angles, it somewhat reflects whatever color it sees. We were able tc capture the blue color of the sky that bounced off of the clutch. Mystery Mar was very excited. And I used it as a reflector and chased him around.

Pages

ListPage.xaml

Page Graphics

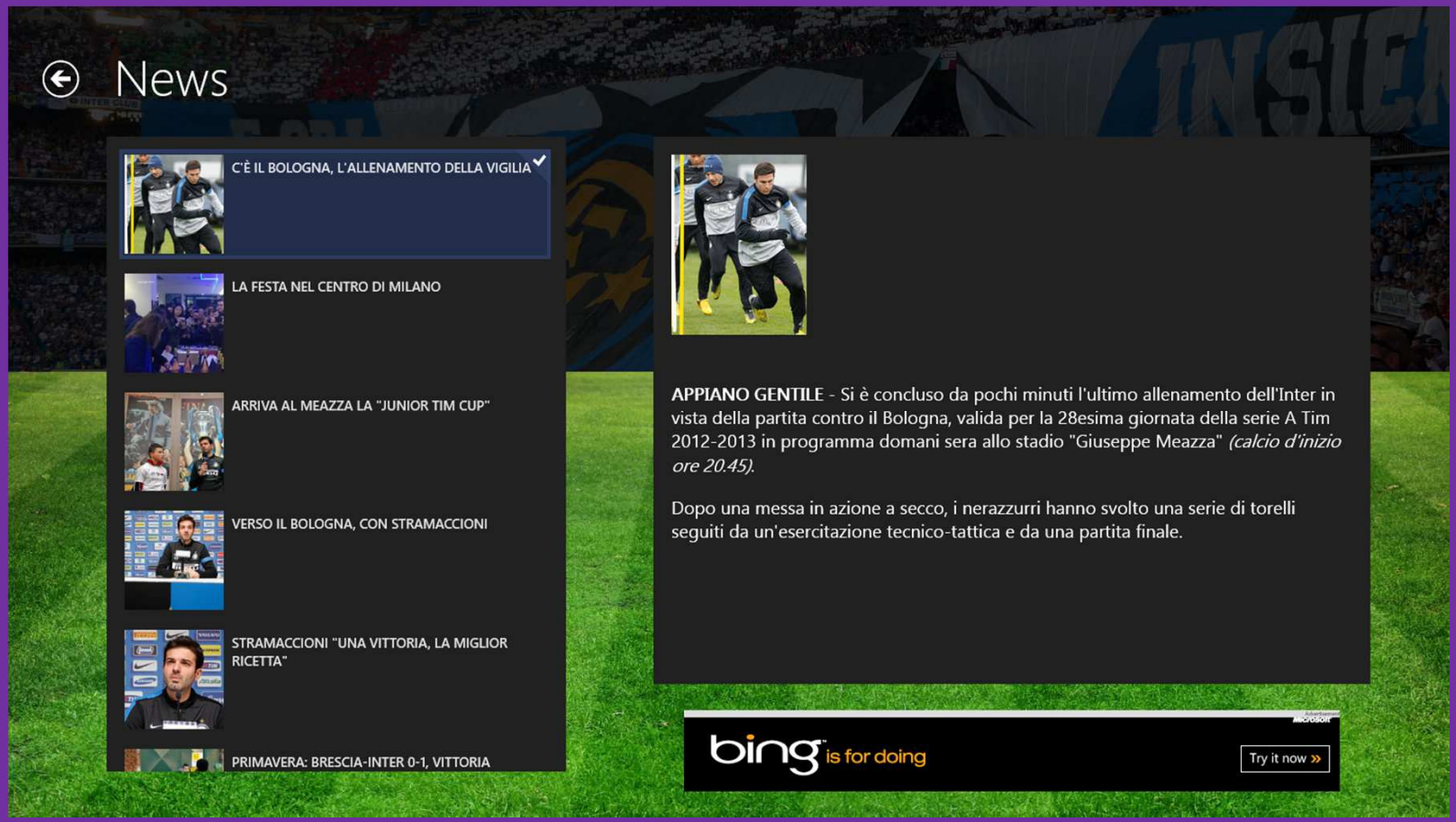
It can show the feed details with a Treeview layout



ListPage.xaml.cs

Page Functionality

ListPage (layout TreeView)



Pages

AboutPane.xaml

UserControl Graphics

It contains the description which appears when a user accesses the *Settings* through the charm bar and taps *Information*

AboutPane.xaml.cs

UserControl Functionality

Pages

OptionsPane.xaml

UserControl Graphics

It contains the description which appears when a user accesses the *Settings* through the charm bar and taps *Options*

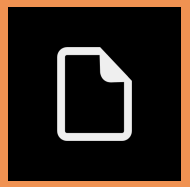
OptionsPane.xaml.cs

UserControl Functionality

Services

It contains service classes which help previous pages loading information and managing it.

This folder contains the only one file which changes depending on the user choices while using the Framework.
(without considering *StandardStyles.xaml* and the package manifest)



Autogenerated.cs

Autogenerated.cs

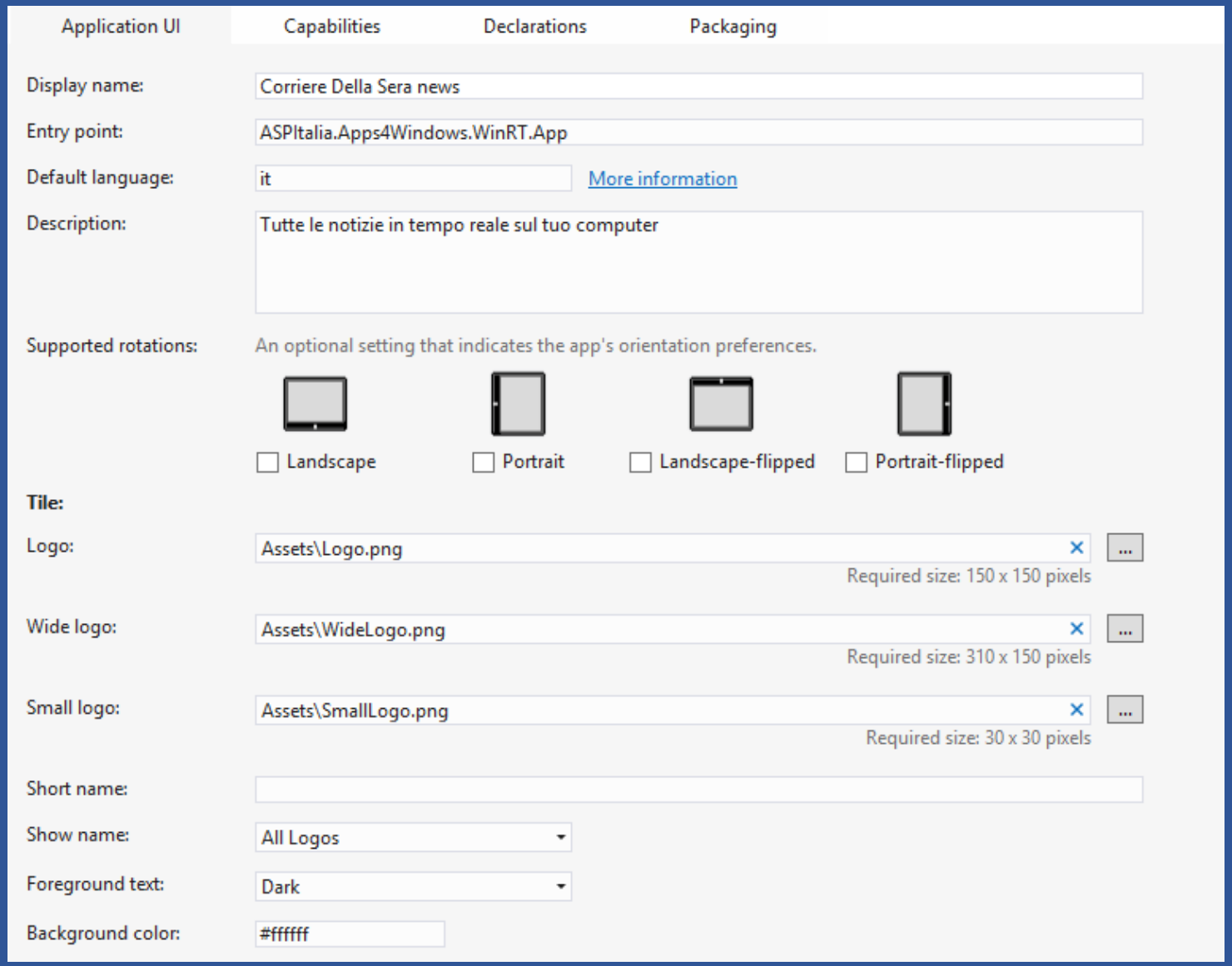
Here you can change name, link and default icon for each chosen feed…

```
// Sections definitions
        private static Dictionary<SectionNames, ILoader> loaders = new
Dictionary<SectionNames, ILoader>
        {
             {SectionNames.Bari, new RemoteFeedLoader(new
Uri("http://xml.corriereobjects.it/rss/homepage_bari.xml"), IconTypeEnum.Restaurant)},
             {SectionNames.Salute, new RemoteFeedLoader(new
Uri("http://xml.corriereobjects.it/rss/salute.xml"), IconTypeEnum.Work)},
             {SectionNames.Scienze, new RemoteFeedLoader(new
Uri("http://xml.corriereobjects.it/rss/scienze.xml"), IconTypeEnum.Cinema)},
        };
```

Autogenerated.cs

Here you can define which sections will be visible, what layout you want to apply for the feed detail (third parameter), and what layout you want to apply for the feed preview (fourth parameter)

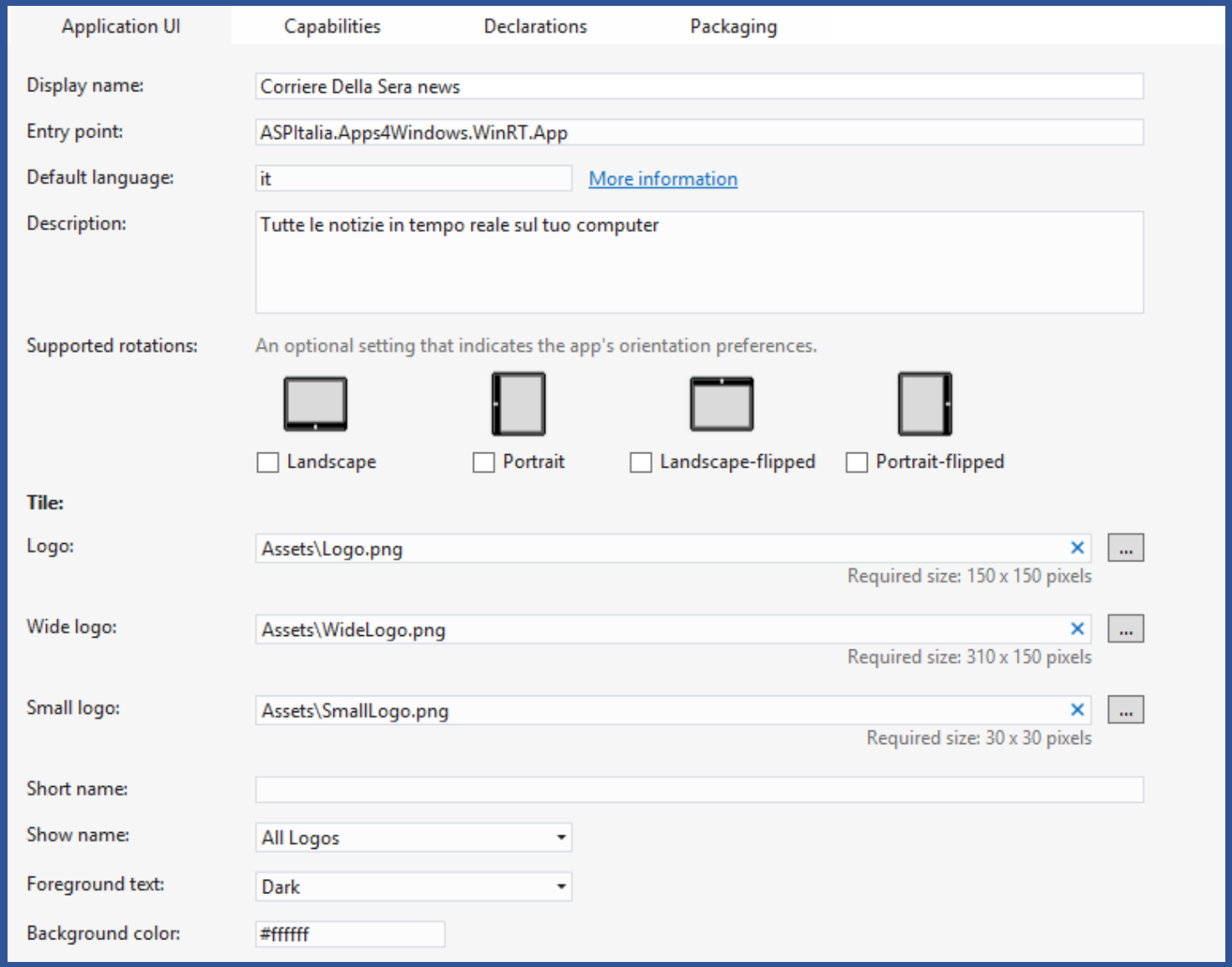
```
 // it defines the visible sections on the home page
        private static Dictionary<SectionNames, Func<Section>> homeSections = new
Dictionary<SectionNames, Func<Section>>
        {
            { SectionNames.Bari, () => new Section(SectionNames.Bari, "Bari",
SectionTypeEnum.List, LayoutTypeEnum.Horizontal) },
            { SectionNames.Salute, () => new Section(SectionNames.Salute, "Salute",
SectionTypeEnum.List, LayoutTypeEnum.Horizontal) },
            { SectionNames.Scienze, () => new Section(SectionNames.Scienze, "Scienze",
SectionTypeEnum.PhotoGallery, LayoutTypeEnum.Horizontal) },
        };
```



Package.xappmanifest

It contains general information about the App. It allows you to change the logos default folders and to define:

- *Short name*: the shortened app name
- *Show name*: it specifies which logos will show the app name
- *Foreground text*: it specifies the text color on the tiles
- *Background color*: the background tiles color

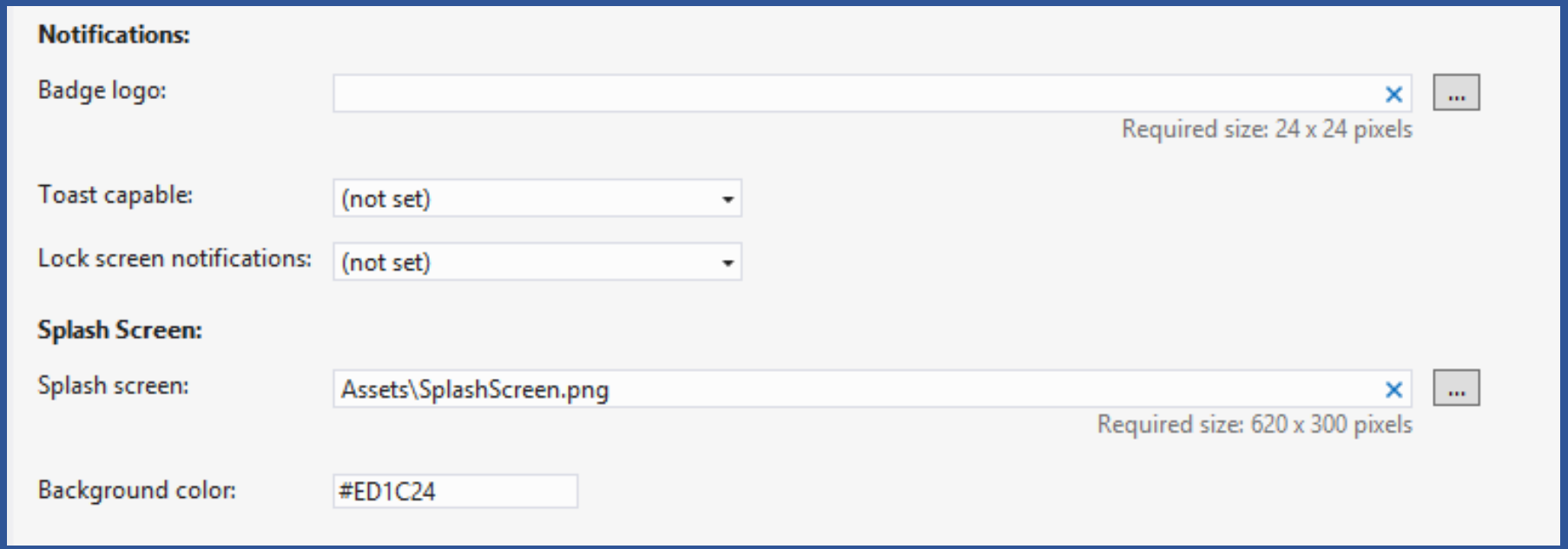


Package.xappmanifest

The Default Language has to be consistent with the information language coming from the chosen feed

...if not, the App will not pass the Windows Store cerfitication

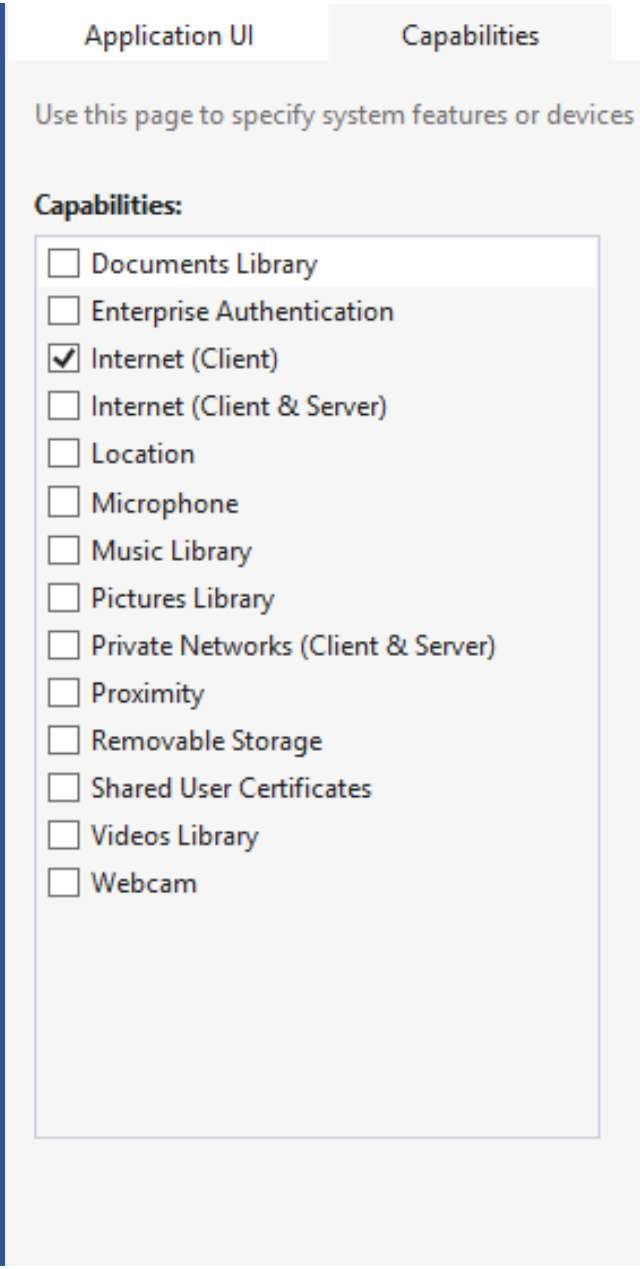
Package.xappmanifest



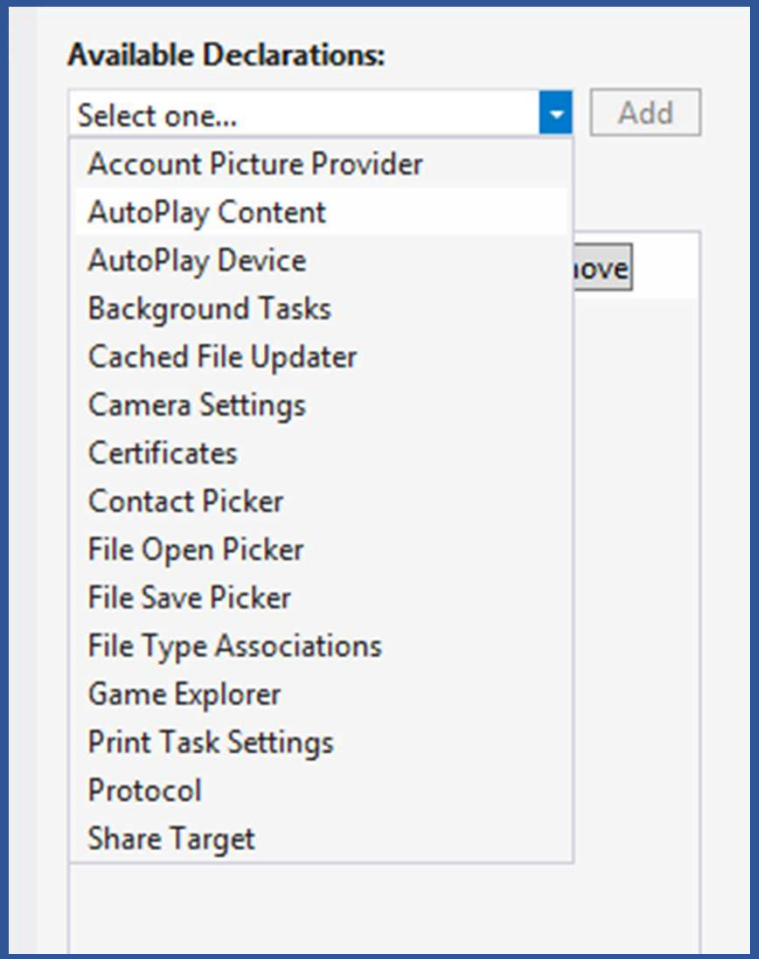
- *Badge logo*: the lock screen logo
- *Toast capable*: specifies if the app can be enabled to use toast notifications
- *Lock screen notifications*: specifies if the app can be enabled to show information in the lock screen
- *Splash screen*: the splash screen logo
- *Background color*: the splash screen background

Package.xappmanifest

Some features must be specified in the *Capabilities* section of the *Package Manifest*, so that the App can be authorized to have access to those capabilities.
When you specify a feature in this section, it will be automatically showed in the *Authorization* menu in the App *Settings*.



Package.xappmanifest



Other features must be declared here, usually together with some parameters…

- ✓ If you want to use a *File Open Picker*, you have to declare what kind of files the App can open
- ✓ If you want to use a Background Task, you need to declare if it is an audio task, a system event, a control channel, a timer, or a push notification
- ✓ If the App uses the Search function, you have to declare it here
- ✓ …

Some typical customizations

How to change a page background?

How to change the shown number of elements?

How to change the settings page text?

How to change the background?

```
 <Grid Style="{StaticResource LayoutRootStyle}"
Background="WhiteSmoke">
        <Grid.RowDefinitions>
            <RowDefinition Height="140" />
            <RowDefinition Height="Auto" />
            <RowDefinition Height="*" />
        </Grid.RowDefinitions>


        <Grid>
            <Grid.ColumnDefinitions>
            …
```

Find the root element inside the XAML and insert:

Background = "[color]"

where [color] can be a color name (ex: White, Red, Green…) or a color code, like #AARRGGBB

How to change the background?

```
<Grid Style="{StaticResource LayoutRootStyle}">

        <Grid.Background>
            <ImageBrush ImageSource="ms-appx:///soccer.jpg" Stretch="UniformToFill"/>
        </Grid.Background>
```

If you want to use a background image you need to insert:

<Grid.Background>
<ImageBrush ImageSource="ms-appx:///[imagepath]" Stretch="UniformToFill"/>
</Grid.Background>

where [imagepath] is the path of the image in the project

How to change the number of elements in MainPage?

You just need to search the constant MAX_ELEMENTS inside *MainPage.xaml.cs* and change its value

```
 public sealed partial class MainPage :
ASPItalia.Apps4Windows.WinRT.Common.LayoutAwarePage
    {
        const int MAX_ELEMENTS = 6;
        // number of elements in Main Page

        public MainPage()
        {
            this.InitializeComponent();
        }
```

How to change the text in the Settings page?

For the text in the *Options menu*, open the *OptionsPane.xaml page*, search the *TextBlocks* and change their associated texts.

```
<TextBlock
FontSize="16"TextWrapping="Wrap"
TextAlignment="Justify">Options
available in this page let you
customize the graphics of your app.
These settings will be saved in your
roaming </TextBlock>
```

The same operation can be done for the *AboutPane.xaml* page.
Remember: you can always use the designer for a more comfortable editing.

```
    d:DesignWidth= 456 >

    <StackPanel Background="Orange"
        Orientation="Vertical">
        <TextBlock Style="{StaticResource SubheaderTextStyle}" Foreground="#336699" Margin="0,0,0,10">Supporto</TextBlock>

        <TextBlock TextWrapping="Wrap"
                   Style="{StaticResource BodyTextStyle}"
                   TextAlignment="Justify"
                   Margin="0,0,0,0">Se hai problemi, contattaci usando il pulsante qui sotto.</TextBlock>

        <Button Click="NavigateToContacts"
                Margin="0,20,0,40"
                Style="{StaticResource MyTextButtonStyle}"
                Content="Contattaci" />

        <TextBlock Style="{StaticResource SubheaderTextStyle}" Foreground="#336699" Margin="0,20,0,10">Informazioni</TextBlock>
        <TextBlock
            TextWrapping="Wrap"
            TextAlignment="Justify"
            Style="{StaticResource BodyTextStyle}"
            Margin="0,0,40,40">
                <Run x:Name="Name" />
                <Run> è stata sviluppata da </Run>
                <Run x:Name="Publisher" />
        </TextBlock>

        <TextBlock Style="{StaticResource SubheaderTextStyle}" Foreground="#336699" Margin="0,20,0,10">Versione</TextBlock>
        <TextBlock Margin="0,10,0,0" FontSize="14" Style="{StaticResource BodyTextStyle}">Versione <Run x:Name="VersionNumber" />

    </StackPanel>

</UserControl>
```

Other typical customizations

How to insert a new section?

How to add a new custom page?

How to add a new section?

```
public enum SectionNames
    {
        News,
        NewSection
    }
```

1) Go in *Autogenerated.cs*
2) Insert a new element in the *SectionNames* enumeration (*NewSection*)

How to add a new section?

```
private static Dictionary<SectionNames, ILoader> loaders = new Dictionary<SectionNames, ILoader>
        {
             {SectionNames.News, new RemoteFeedLoader(new Uri("http://address.xml"), IconTypeEnum.News)},
             {SectionNames.NewSection, new RemoteFeedLoader(new Uri("http://address2.xml"),
IconTypeEnum.News)},
        };

private static Dictionary<SectionNames, Func<Section>> homeSections = new Dictionary<SectionNames,
Func<Section>>
        {
            { SectionNames.News, () => new Section(SectionNames.News, "News", SectionTypeEnum.List,
LayoutTypeEnum.Grid) },
            { SectionNames.NewSection, () => new Section(SectionNames.NewSection, "NewSection",
SectionTypeEnum.List, LayoutTypeEnum.Grid) },
        };
```

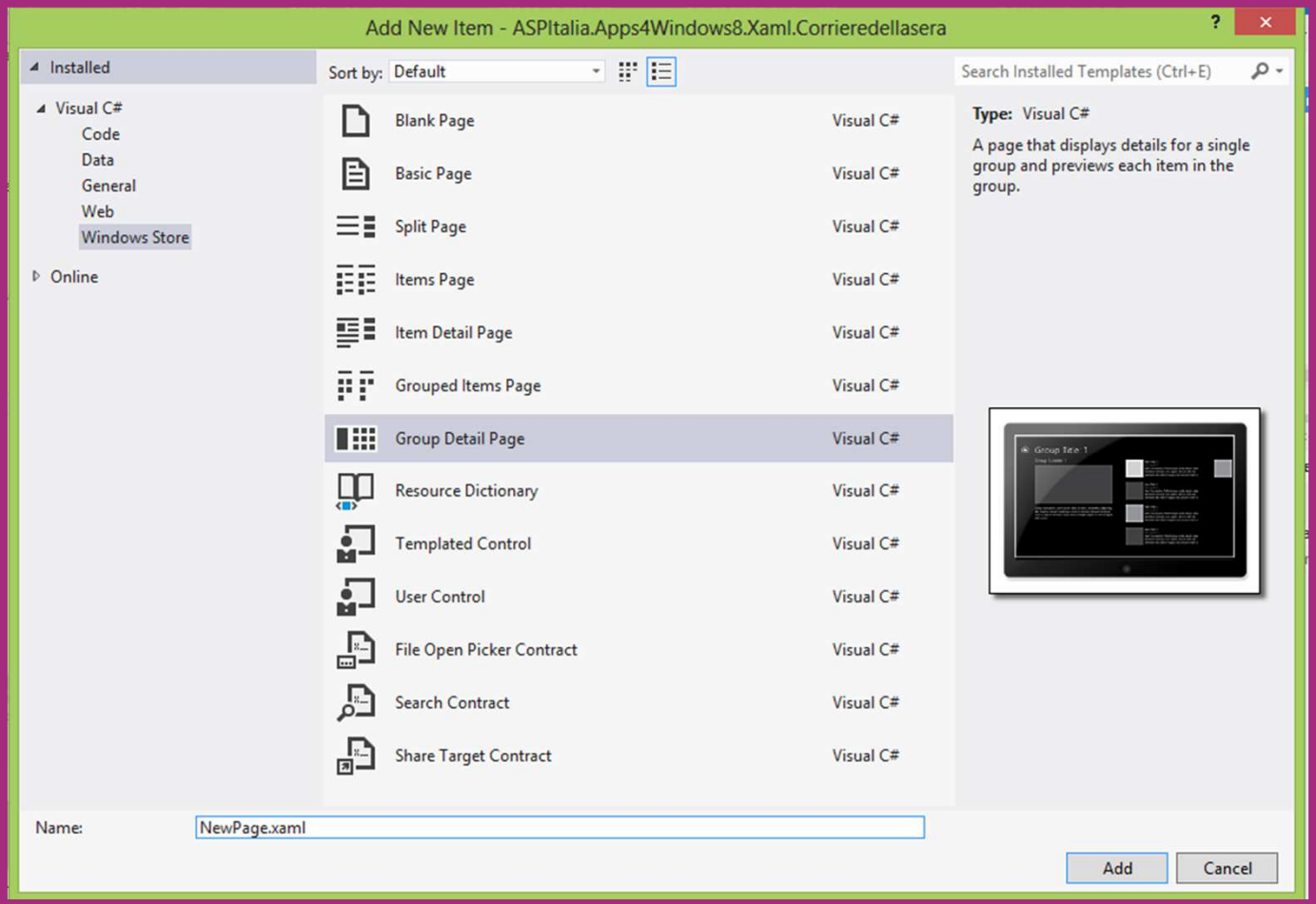
3) Add the *NewSection* elements in both the dictionaries

How to add a custom new page?

```
<Button Tapped="Button_Tapped_1"
HorizontalAlignment="Right" Width="250"
Height="250"/>
```

1) Add a button in *MainPage.xaml* and specify an event handler for the *Tapped* event. In this case we chose *Button_Tapped_1*

How to add a new custom page?



2) Add a new page to the project and call it *NewPage.xaml*

You can choose, for example, the Grop Detail Page Template

How to add a new custom page?

3) Insert the following code to navigate to the new page when the button is tapped:

```
private void Button_Tapped_1(object sender, TappedRoutedEventArgs e)
        {
            Frame.Navigate(typeof(NewPage));
        }
```

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http://channel9.msdn.com