NOKIA Developer

How to create customized Popup in WP8

This article explains how to create a customised Popup dialog in Windows Phone.

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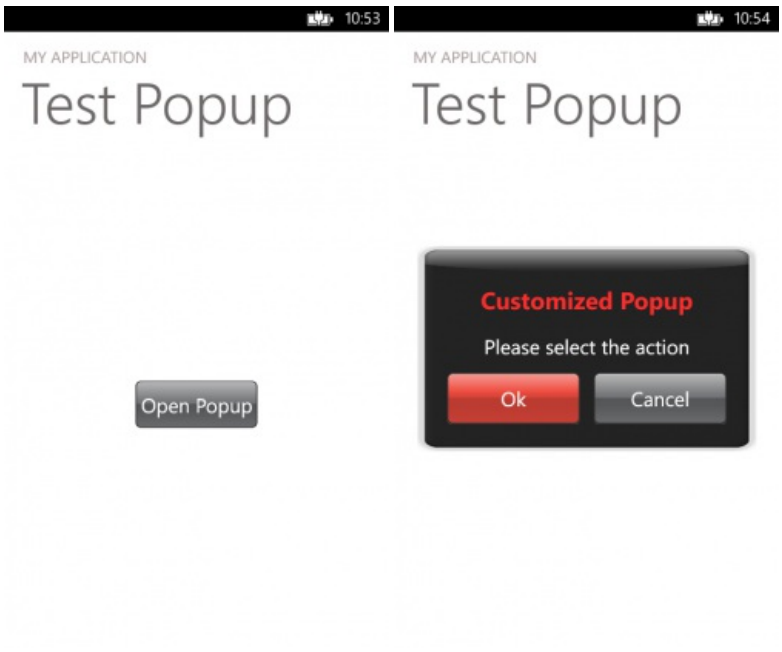
Introduction

Although Popup control are available in WP8 development but sometimes we need to create brand specific popup dialogs. This article shows how to create a popup user control, which displays a message, shows OK and Cancel buttons and allows to handle these events. Also, included in the user control is the "Imagebuttoncontrol" which gives image button with mouse over animation look, but the main target is for popup.

The component is reusable and can be used in any Windows Phone 8 projects.

Screenshots



Explanation

This code contain user control "UCPopup" where i have designed for popup screen(nothing complex).

```
<UserControl x:Class="CustomizedPopup.UCPopup"
    xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
    xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
    xmlns:d="http://schemas.microsoft.com/expression/blend/2008"
    xmlns:mc="http://schemas.openxmlformats.org/markup-compatibility/2006"
    xmlns:ImageButton="clr-namespace:CustomizedPopup.ImageButton"
    mc:Ignorable="d"
    FontFamily="{StaticResource PhoneFontFamilyNormal}"
    FontSize="{StaticResource PhoneFontSizeNormal}"
    Foreground="{StaticResource PhoneForegroundBrush}"
    d:DesignHeight="853" d:DesignWidth="480">

    <Grid x:Name="grdMain" Height="853" Width="480" Background="Transparent">
        <Grid.RowDefinitions>
            <RowDefinition Height="20*"></RowDefinition>
            <RowDefinition  Height="60*"></RowDefinition>
            <RowDefinition  Height="20*"></RowDefinition>
        </Grid.RowDefinitions>
        <Grid.ColumnDefinitions>
```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```
            <ColumnDefinition Width="5*"></ColumnDefinition>
            <ColumnDefinition Width="90*"></ColumnDefinition>
            <ColumnDefinition Width="5*"></ColumnDefinition>
        </Grid.ColumnDefinitions>

        <Grid x:Name="LayoutRoot"   Grid.Row="1" Grid.Column="1">
            <Grid.ColumnDefinitions>
                <ColumnDefinition Width="01*"></ColumnDefinition>
                <ColumnDefinition Width="98*"></ColumnDefinition>
                <ColumnDefinition Width="01*"></ColumnDefinition>
            </Grid.ColumnDefinitions>
            <Grid.RowDefinitions>
                <RowDefinition Height="20*"></RowDefinition>
                <RowDefinition Height="40*"></RowDefinition>
                <RowDefinition Height="20*"></RowDefinition>

            </Grid.RowDefinitions>


            <Grid Grid.Column="1" Grid.Row="1"  Margin="0">
                <Grid.ColumnDefinitions>
                    <ColumnDefinition Width="01*"></ColumnDefinition>
                    <ColumnDefinition Width="98*"></ColumnDefinition>
                    <ColumnDefinition Width="01*"></ColumnDefinition>
                </Grid.ColumnDefinitions>
                <Grid.RowDefinitions>
                    <RowDefinition Height="10*"></RowDefinition>
                    <RowDefinition Height="80*"></RowDefinition>
                    <RowDefinition Height="10*"></RowDefinition>


                </Grid.RowDefinitions>
                <Grid.Background>
                    <ImageBrush ImageSource="/Images/popup_box.png" />
                </Grid.Background>
                <Grid Grid.Row="1" Grid.Column="1">
                    <Grid.RowDefinitions>
                        <RowDefinition Height="40*"></RowDefinition>
                        <RowDefinition Height="20*"></RowDefinition>
                        <RowDefinition Height="40*"></RowDefinition>

                    </Grid.RowDefinitions>
                    <TextBlock x:Name="lblred" Grid.Row="0" Text="Customized Popup"
VerticalAlignment="Center" Foreground="#FFFF2D2D" TextWrapping="Wrap" FontSize="30"
FontWeight="Bold" HorizontalAlignment="Center" TextAlignment="Center"  />
                    <TextBlock x:Name="lblwhite"  Grid.Row="1" Text="Please select the
action" HorizontalAlignment="Center"   TextWrapping="Wrap" FontSize="25"
TextAlignment="Center" ></TextBlock>
                    <Grid Grid.Row="2">
                        <Grid.ColumnDefinitions>
                            <ColumnDefinition Width="8*"></ColumnDefinition>
                            <ColumnDefinition Width="40*"></ColumnDefinition>
                            <ColumnDefinition Width="4*"></ColumnDefinition>
                            <ColumnDefinition Width="40*"></ColumnDefinition>
                            <ColumnDefinition Width="8*"></ColumnDefinition>
                        </Grid.ColumnDefinitions>
                        <ImageButton:ImageButtonControl FontSize="25" x:Name="btnfirst"
```


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```
Grid.Column="1"  Text="Ok"  PressedSource="/Images/button_normal.png"
Source="/Images/button_over.png" Tap="btnfirst_Tap" />
                        <ImageButton:ImageButtonControl  FontSize="25"
x:Name="btnsecond" Grid.Column="3"  Text="Cancel"
PressedSource="/Images/button_over.png" Source="/Images/button_normal.png"
Tap="btnsecond_Tap"/>
                    </Grid>


                </Grid>


            </Grid>




        </Grid>
    </Grid>

</UserControl>
```

Added namespace for user control(imagebuttoncontrol) in headers section

```
<xmlns:ImageButton="clr-namespace:CustomizedPopup.ImageButton"
```

Designed the height and width of user control maximum(although made transparent) , so that that when pop up open no control in main screen clickable.

Below is code behind.

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Net;
using System.Windows;
using System.Windows.Controls;
using System.Windows.Navigation;
using Microsoft.Phone.Controls;
using Microsoft.Phone.Shell;
using System.Windows.Controls.Primitives;

namespace CustomizedPopup
{
    public partial class UCPopup : UserControl
    {
        public UCPopup()
        {
            InitializeComponent();
        }

        private void ClosePopup()
        {
            Popup Popclaim = this.Parent as Popup;
```


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```
            Popclaim.IsOpen = false;

        }

        private void btnsecond_Tap(object sender, System.Windows.Input.GestureEventArgs
e)
        {
            ClosePopup();
        }

        private void btnfirst_Tap(object sender, System.Windows.Input.GestureEventArgs
e)
        {
            ClosePopup();
        }

    }
}
```

Here comes the main screen :

On button tap opened pop up and user control as its child content

```
  private void btnpop_Tap(object sender, System.Windows.Input.GestureEventArgs e)
        {
            Testpopup = new System.Windows.Controls.Primitives.Popup();

            Testpopup.Child =
                new UCPopup
                    ();

            Testpopup.IsOpen = true;
            Testpopup.HorizontalAlignment = HorizontalAlignment.Center;
            Testpopup.VerticalAlignment = VerticalAlignment.Center;

            Testpopup.VerticalOffset = 0;
        }
```

On backKey press :

```
   protected override void OnBackKeyPress(System.ComponentModel.CancelEventArgs e)
        {
            base.OnBackKeyPress(e);
            if ((Testpopup != null) && (Testpopup.IsOpen == true))
            {
                Testpopup.IsOpen = false;
                e.Cancel = true;
            }
        }
```

Source code

You can download source code from here: File:CustomizedPopup.zip

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