

<b>Name of Experiment:</b> Make a Call	<b>Exp No:</b> MC5
<b>Background:</b> Student should have a basic knowledge of C#.	
<b>Summary:</b> Making Call is an in-built functionality of the mobile device. But, sometimes we require this activity through your own mobile App. Using this experiment you will get to know, how to add this functionality in your current Mobile App development.	
<b>Learning Objective:</b> To learn the activity of making call through this experiment.	
<b>Target Platforms:</b> This experiment is tested on Windows Emulator and Nokia Lumia 800.	
<p><b>Procedure:</b></p> <p>Step 1. Repeat steps [1-4] as in experiment no MC1 [Refer Hello World].</p> <p>Step 2. Add Reference, to Microsoft.Phone.Tasks.</p> <p>Step 3. Initialise the PhoneNumberChooserTask as _numberchooser and PhoneCallTask as _calling inside the MainPage constructor.</p> <p>Step 4. Call _numberchooser.Completed event.</p> <p>Step 5. Define the body of _numberchooser.Completed event handler.[Refer Source code section]</p> <p>Step 6. Call the method _numberchooser.Show() inside button1Click handler.</p> <p>Step 7. Save all the changes made to the project by Pressing Ctrl+S.</p> <p>Step 8. Press F5 to run the experiment in Windows Emulator.</p> <p>Step 9. To deploy this experiment on Windows Phone [Refer Deployment of the WP7 application on the Target Device].</p>	
<b>Source Code</b>	<b>Comments</b>
<p><b>MainPage.xaml</b></p> <pre> &lt;!--LayoutRoot is the root grid where all page content is placed--&gt;     &lt;Grid x:Name="LayoutRoot" Background="Transparent"&gt;         &lt;Grid.RowDefinitions&gt;             &lt;RowDefinition Height="Auto"/&gt;             &lt;RowDefinition Height="*/&gt;         &lt;/Grid.RowDefinitions&gt;         &lt;!--TitlePanel contains the name of the application and page title--&gt;         &lt;StackPanel x:Name="TitlePanel" Grid.Row="0" </pre>	

```

Margin="12,17,0,28">
    <TextBlock x:Name="ExperimentTitle"
Text="ExpNo MC5" TextAlignment="Right"
Style="{StaticResource PhoneTextNormalStyle}"/>
    <TextBlock x:Name="ApplicationTitle"
Text="Mobile Computing" Style="{StaticResource
PhoneTextNormalStyle}"/>
    <TextBlock x:Name="PageTitle" Text="Calling"
Margin="9,-7,0,0" Style="{StaticResource
PhoneTextTitle1Style}"/>
</StackPanel>

<!--ContentPanel - place additional content here-->
<Grid x:Name="ContentPanel" Grid.Row="1"
Margin="12,0,12,0">
    <Button Content="Make Call" Height="72"
HorizontalAlignment="Left" Margin="12,172,0,0"
Name="button1" VerticalAlignment="Top" Width="438"
Click="button1_Click" />
</Grid>
</Grid>

```

←ExpNo MC5(Experiment Title)  
← Mobile Computing(Application Title)  
←Calling (PageTitle)

### MainPage.xaml.cs

```

using System;
using System.Windows;
using Microsoft.Phone.Controls;
using Microsoft.Phone.Tasks;

namespace CallingTask
{
    public partial class MainPage : PhoneApplicationPage
    {
        PhoneNumberChooserTask _numberchooser;
        PhoneCallTask _calling;
        // Constructor
        public MainPage()
        {
            InitializeComponent();
            _numberchooser = new PhoneNumberChooserTask();
            _numberchooser.Completed += new
EventHandler<PhoneNumberResult>(_numberchooser_Completed);

            private void _numberchooser_Completed(object
sender, PhoneNumberResult e) {
                if (e.TaskResult == TaskResult.OK) {
                    _calling = new PhoneCallTask();
                    _calling.DisplayName = e.DisplayName;
                    _calling.PhoneNumber = e.PhoneNumber;
                    _calling.Show();
                }
            }

            private void button1_Click(object sender,
RoutedEventArgs e)
            {
                _numberchooser.Show();
            }
        }
    }
}

```

← Add Reference for Microsoft.Phone.Tasks

←PhoneNumberChooserTask.  
←PhoneCallingTask.

←Calling Eventhandler

← define the event

← Handle the Button Click event

## Screenshots

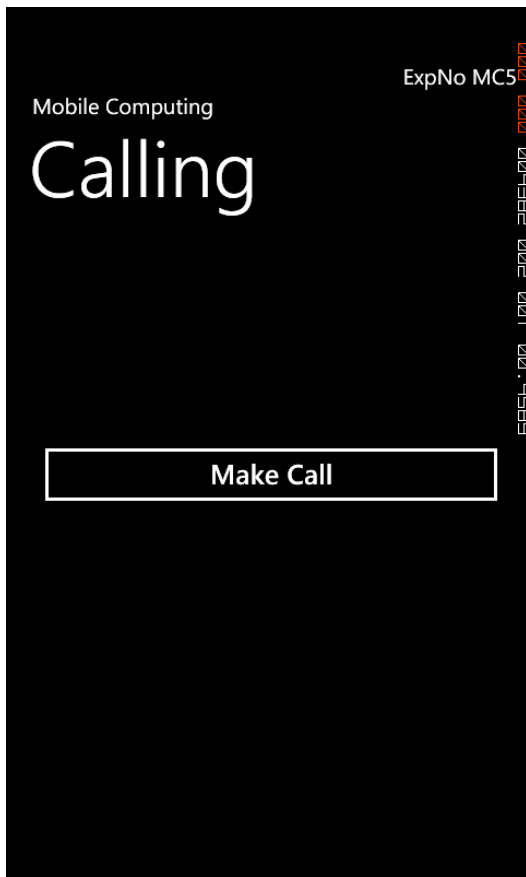


Fig No1 Home Screen

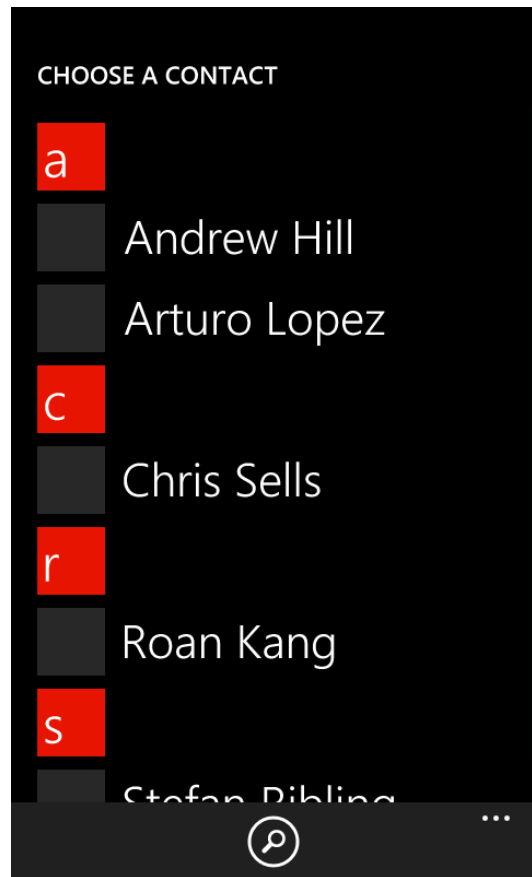


Fig No 2 Choose number from contact list

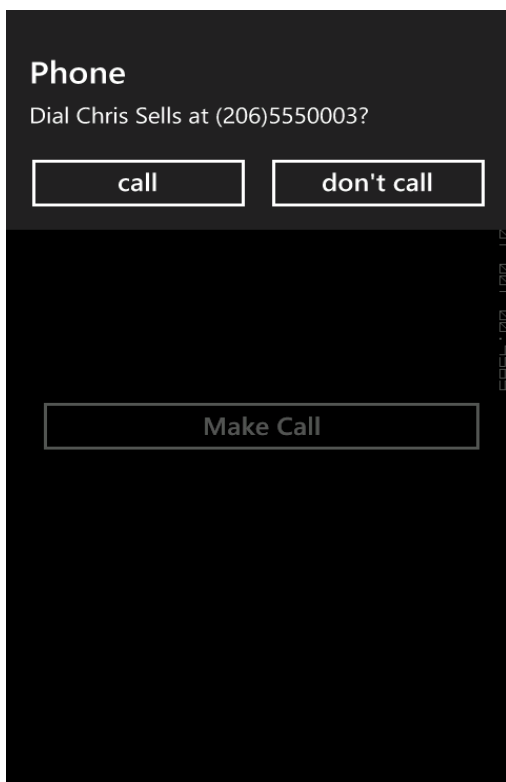


Fig No 3 Make the call

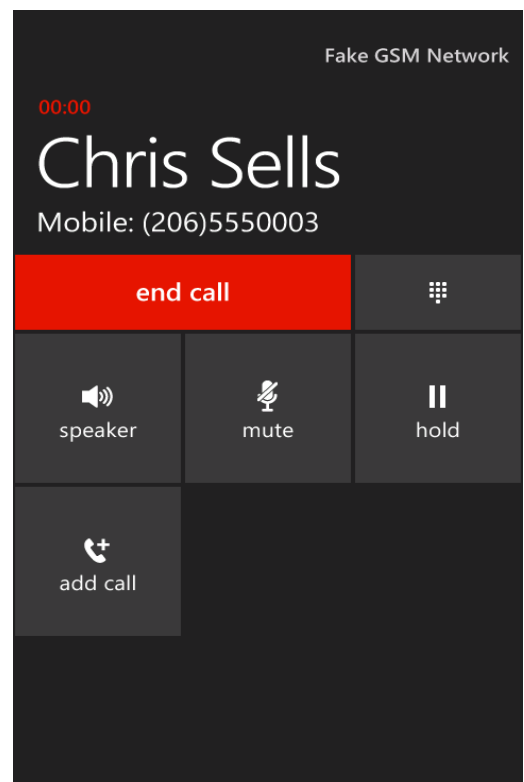


Fig No 4 Different Option during call progress

**Observations:** It is observed that we can use this experiment in different Mobile App development.