

Name of Experiment: Send an SMS	Exp No: MC6
Background: Student should have a basic knowledge of C#.	
Summary: Sending SMS is an in-built functionality of the mobile device. But, sometimes we require this activity through your own app. Using this experiment you will get to know, how to add this functionality in your current Mobile App development.	
Learning Objective: To learn the activity of sending SMS through this experiment.	
Target Platforms: This experiment is tested on Windows Emulator and Nokia Lumia 800.	
<p>Procedure:</p> <p>Step 1. Repeat Steps [1-4] as in experiment MC1 [Refer Hello World].</p> <p>Step 2. Add Reference to Microsoft.Phone.Tasks.</p> <p>Step 3. Initialise the PhoneNumberChooserTask as <code>_numberchooser</code> and SmsComposeTask as <code>_smschooser</code> inside the MainPage constructor.</p> <p>Step 4. Call <code>_numberchooser.Completed</code> event.</p> <p>Step 5. Define the body of <code>_numberchooser.Completed</code> event handler.[Refer Source code section]</p> <p>Step 6. Call the method <code>_numberchooser.Show()</code> inside <code>button1Click</code> 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>	
Source Code	Comments
<p>MainPage.xaml</p> <pre><Grid x:Name="LayoutRoot" Background="Transparent"> <Grid.RowDefinitions> <RowDefinition Height="Auto"/> <RowDefinition Height="*" /> </Grid.RowDefinitions> <!--TitlePanel contains the name of the application and page title--> <StackPanel x:Name="TitlePanel" Grid.Row="0"</pre>	

```

Margin="12,17,0,28">
    <TextBlock x:Name="ExperimentTitle"
Text="ExpNo MC6" TextAlignment="Right"
Style="{StaticResource PhoneTextNormalStyle}"/>
    <TextBlock x:Name="ApplicationTitle"
Text="Mobile Computing" Style="{StaticResource
PhoneTextNormalStyle}"/>
    <TextBlock x:Name="PageTitle" Text=" Sms"
Margin="9,-7,0,0" Style="{StaticResource
PhoneTextTitle1Style}"/>
</StackPanel>

```

← ExpNo MC6

← Mobile Computing

← Sms

```

<!--ContentPanel - place additional content here-->
    <Grid x:Name="ContentPanel" Grid.Row="1"
Margin="12,0,12,0">
        <Button Content="Send SMS " Height="72"
HorizontalAlignment="Left" Margin="12,154,0,0"
Name="button1" VerticalAlignment="Top" Width="438"
Click="button1_Click" />
    </Grid>
</Grid>

```

← Send SMS (Button Content)

MainPage.xaml.cs

```

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

namespace SmsTask
{
    public partial class MainPage : PhoneApplicationPage
    {
        PhoneNumberChooserTask _numberchooser;
        SmsComposeTask _smschooser;
        // 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) {
                _smschooser = new SmsComposeTask();
                _smschooser.To = e.PhoneNumber;
                _smschooser.Show();
            }
        }
        private void button1_Click(object sender,
RoutedEventArgs e)
        {
            _numberchooser.Show();
        }
    }
}

```

← Microsoft.Phone.Tasks

← Initialise
PhoneNumberChooserTask
SmsComposeTask

Screenshots:

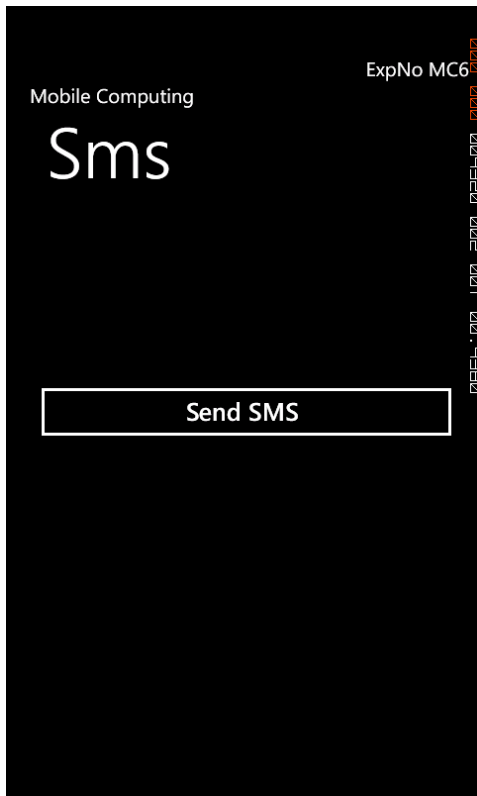


Fig no.1 Home Screen

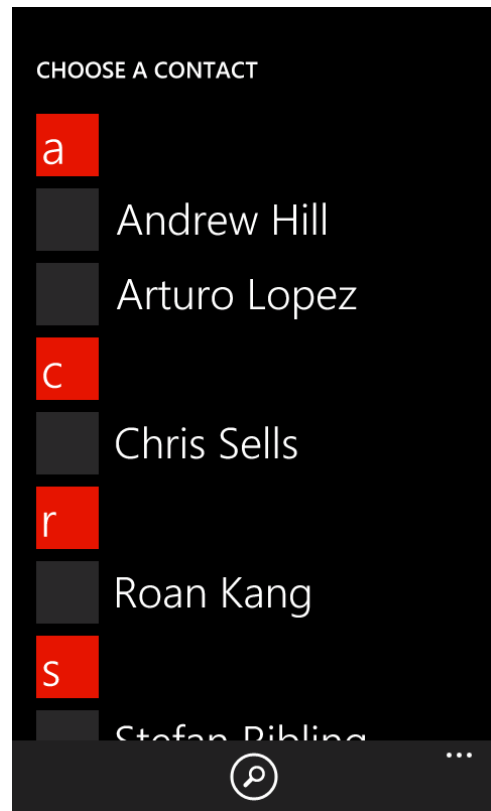


Fig no.2 Choose contact from List

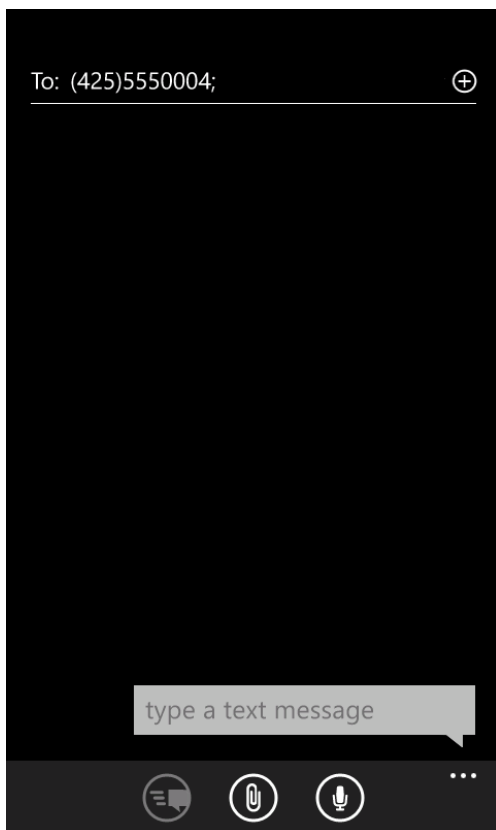


Fig no.3 Type Message

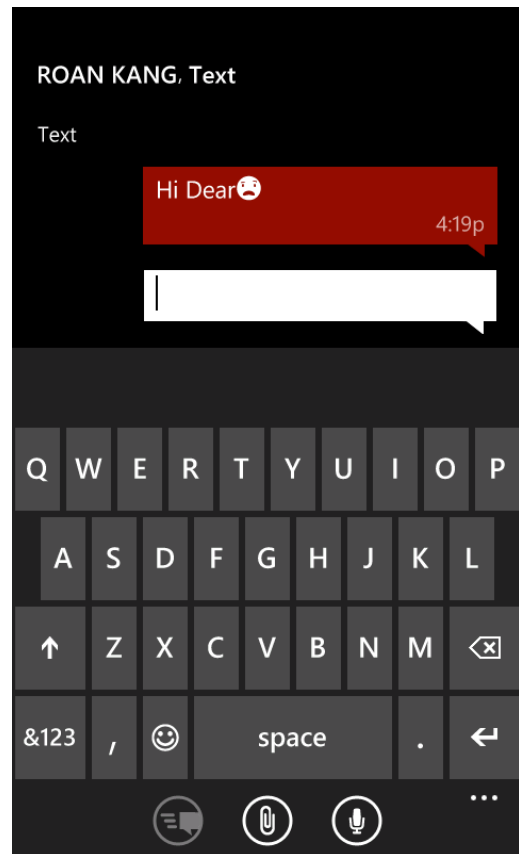


Fig no. 4 Send Message to chosen recipient

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