

Name of Experiment: Do your Emails

Exp No: MC7

Background: Student should have a basic knowledge of C#.

Summary: Sending an email 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 development.

Learning Objective: To learn the activity of sending Email through this experiment.

Target Platforms: This experiment is tested on Windows Emulator and Nokia Lumia 800.

Procedure:

Step 1. Repeat steps [1-4] as in experiment no MC1 [Refer Hello World].

Step 2. Add Reference to Microsoft.Phone.Tasks.

Step 3. Declare the EmailAddressChooserTask as _emailchooser and EmailComposeTask as email above MainPage Constructor.

Step 4. Initialise the _emailchooser inside the MainPage Constructor.

Step 5. Call _emailchooser.Completed Event.

Step 6. Define the body of _emailchooser EventHandler.[Refer Source Code Section]

Step 7. Call the method _emailchooser.Show() inside button1Click handler.

Step 8. Save all the changes made to the project by Pressing Ctrl + S.

Step 9. Press F5 to run the experiment in Windows Emulator.

Step 10. To deploy this experiment on Windows Phone [Refer Deployment of the WP7 application on the Target Device].

Source Code	Comments
<pre> MainPage.xaml <!--LayoutRoot is the root grid where all page content is placed--> <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" Margin="12,17,0,28"> <TextBlock x:Name="ExperimentTitle" Text="ExpNo MC7" TextAlignment="Right" Style="{StaticResource PhoneTextNormalStyle}"/> <TextBlock x:Name="ApplicationTitle" Text="Mobile Computing" Style="{StaticResource PhoneTextNormalStyle}"/> <TextBlock x:Name="PageTitle" Text="Email Chooser" 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="Send Email" Height="72" Name="button1" Margin="6,170,6,338" Click="button1_Click" /> </Grid> </Grid> MainPage.xaml.cs using System; using System.Windows; using Microsoft.Phone.Controls; using Microsoft.Phone.Tasks; namespace EmailTask { public partial class MainPage : PhoneApplicationPage { EmailAddressChooserTask _emailchooser; EmailComposeTask email; // Constructor public MainPage() { InitializeComponent(); _emailchooser = new EmailAddressChooserTask(); </pre>	<pre> ← Exp No MC7(Experiment Title) ← Mobile Computing (Application Title) ← Email Chooser (Page Title) ← Add Reference to Microsoft.Phone.Tasks ← Declare the EmailAddressChooserTask and EmailComposeTask ← Initialise EmailAddressChooserTask as _emailchooser </pre>

```

        _emailchooser.Completed+=new
        EventHandler<EmailResult>
        (_emailchooser_Completed);

        }

        private void _emailchooser_Completed(object
        sender, EmailResult e) {
            if (e.TaskResult ==
            TaskResult.OK) {
                email = new
                EmailComposeTask();
                email.To = e.Email;
                email.Show();
            }
        }
        private void button1_Click(object sender,
        RoutedEventArgs e)
        {
            _emailchooser.Show();
        }
    }
}

```

←Instantiate email as EmailComposeTask

←Call _emailchooser.Show() method.

Screenshots:

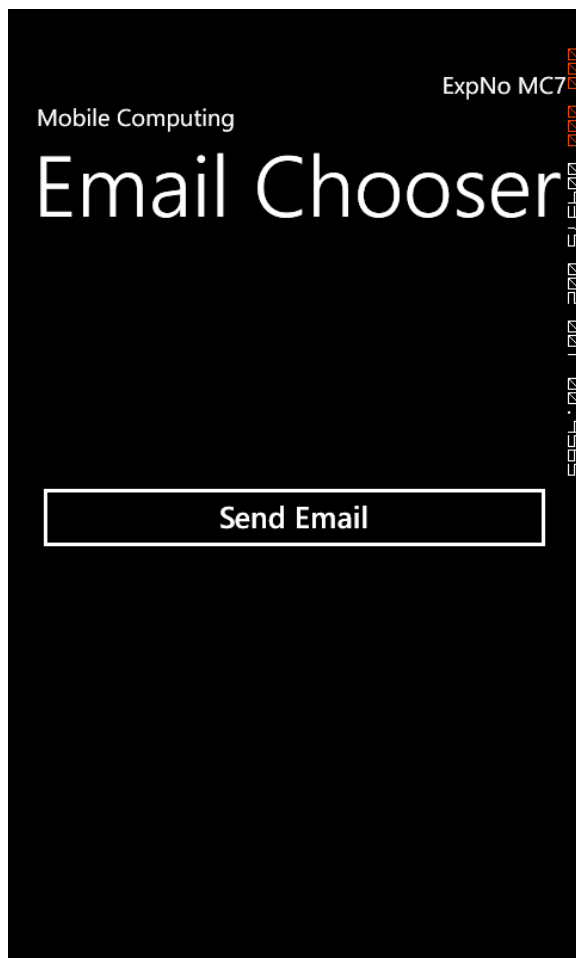


Fig no.1 Home Screen

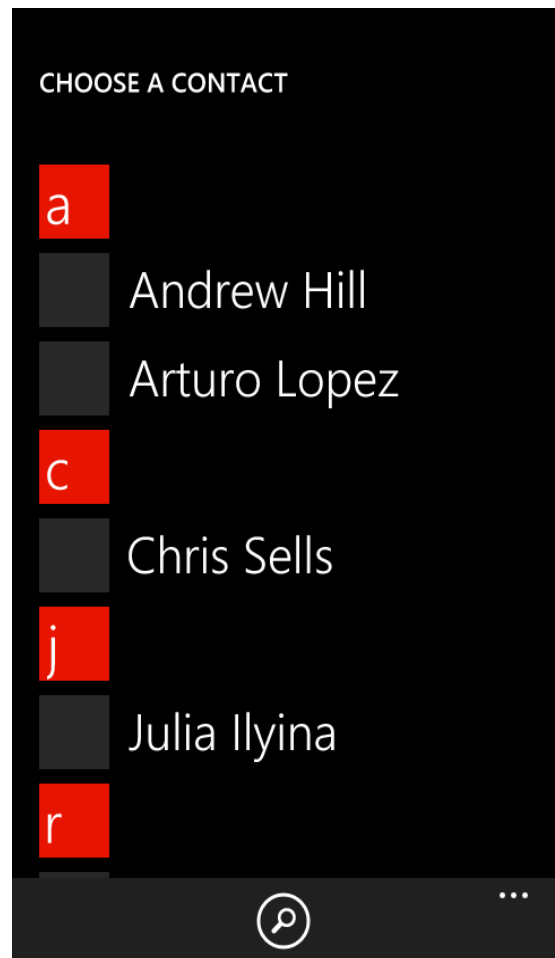


Fig no.2 Choose Email

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