## Windows 10 UWP - Hands on Lab

## Lab 5:

**Note**: The demo app created for this lab uses Visual Studio 2015 with the latest Windows Tools SDK version 10240. To help with our coding efforts with the boiler code and page navigation we use a UWP app extension called Template 10.

1. Open the \ViewModels\DetailPageViewModel.cs file and add the following lines of code to line 87.

```
public void ShareBBQRecipe()
         if (!String.IsNullOrEmpty(recipe.Id))
             DataTransferManager.ShowShareUI();
         }
     }
     private async void DataTransferManager_DataRequested(DataTransferManager sender, DataRequestedEventA
rgs args)
     {
         DataRequestDeferral deferral = args.Request.GetDeferral();
         args.Request.Data.Properties.Title = recipe.Name;
         args.Request.Data.SetText(recipe.ShortDesc);
         StorageFile storageFile = await Windows.Storage.StorageFile.GetFileFromApplicationUriAsync(recip
e.ImageUri);
         args.Request.Data.SetBitmap(RandomAccessStreamReference.CreateFromFile(storageFile));
         deferral.Complete();
     }
```

```
DetailPageViewModel.cs + X
DetailPage.xaml
                                                              ▼ MowToBBQ.Win10.ViewModels.DetailPageViewModel
C# HowToBBO.Win10

    OnNavigatedToAsync(object parameter, NavigationMode mode, IDiction

                       public void DeleteBBQRecipe()
     76
77
     78
79
80
                           if (!String.IsNullOrEmpty(recipe.Id))
                                App.RecipeService.Remove(recipe.Id);
     81
82
83
84
85
86
                                ShowMessage("Record has been deleted", true);
     87
                       public void ShareBBQRecipe()
     88
89
                           if (!String.IsNullOrEmpty(recipe.Id))
     90
91
92
93
94
95
96
97
                               DataTransferManager.ShowShareUI();
     98
99
                       private async void DataTransferManager_DataRequested(DataTransferManager sender, DataRequestedEventArgs args)
                           DataRequestDeferral deferral = args.Request.GetDeferral();
args.Request.Data.Properties.Title = recipe.Name;
    100
    101
    102
103
                           args.Request.Data.SetText(recipe.ShortDesc);
    104
                           StorageFile storageFile = await Windows.Storage.StorageFile.GetFileFromApplicationUriAsync(recipe.ImageUri);
    105
    106
                           args.Request.Data.SetBitmap(RandomAccessStreamReference.CreateFromFile(storageFile));
    107
                           deferral.Complete();
    109
    110
                       public override Task OnNavigatedToAsync(object parameter, NavigationMode mode, IDictionary<string, object> state)
    111
    112
113
                           if (state.Any())
    114
                                // use cache value(s)
                                if (state.ContainsKey(nameof(recipeId))) recipeId = state[nameof(recipeId)]?.ToString();
    115
                                // clear any cache
    116
                               state.Clear();
    117
118
                           else
    119
    120
112
```

2. Make sure you have the following using statements within DetailPageViewModel.cs.

```
using Windows.ApplicationModel.DataTransfer;
using Windows.Storage;
using Windows.Storage.Streams;
```

3. Open the \Views\DetailPage.xaml file and make sure the following lines of Xaml code are located on line 127. This button will be added to the StackPanel labelled "ButtonPanel".

```
StackPanel (ButtonPanel)
                                                                                    </StackPanel>
    101
                                                                                                                                                                         #
                                  <StackPanel Margin="0,0,20,10">
    102
    103
                                      <TextBlock Text="Directions" FontSize="14"/>
   104
                                      <TextBox Text="{Binding Directions, Mode=TwoWay}" Height="150" TextWrapping="Wrap"/>
    105
    106
                                  <StackPanel x:Name="ButtonPanel" Orientation="Horizontal">
    107
                                      <Button x:Name="ButtonSave" Content="Save" FontSize="32" Click="{x:Bind ViewModel.SaveBBQRecipe}" HorizontalAlignment="Center"</pre>
    108
                                          <Button.Background>
                                              <LinearGradientBrush EndPoint="0.5,1" StartPoint="0.5,0">
    109
                                                  <GradientStop Color="#FF6ACD18" Offset="0.171"/>
   110
                                                   <GradientStop Color="#FF0A0A0A"/>
   111
                                                   <GradientStop Color="#FF0A0A0A" Offset="0.98"/>
    112
                                                   <GradientStop Color="#FF6ACD18" Offset="0.949"/>
   113
    114
                                              </LinearGradientBrush>
   115
                                          </Button.Background>
                                      </Button>
   116
                                      <Button x:Name="ButtonDelete" Content="Delete" FontSize="32" Click="{x:Bind ViewModel.DeleteBBQRecipe}" HorizontalAlignment="Cen</pre>
   117
                                          <Button.Background>
   118
                                              <LinearGradientBrush EndPoint="0.5,1" StartPoint="0.5,0">
    119
    120
                                                   <GradientStop Color="#FFCD1D18" Offset="0.171"/>
                                                   <GradientStop Color="#FF0A0A0A"/>
    121
                                                   <GradientStop Color="#FF0A0A0A" Offset="0.98"/>
    122
                                                  <GradientStop Color="#FFCD1D18" Offset="0.949"/>
    123
                                              </LinearGradientBrush>
   124
   125
                                          </Button.Background>
                                      </Button>
   126
    127
                                      <Button Margin="10" x:Name="ButtonShare" Content="Share" FontSize="32" Click="{x:Bind ViewModel.ShareBBQRecipe}">
    128
                                          <Button.Background>
                                              <LinearGradientBrush EndPoint="0.5,1" StartPoint="0.5,0">
    129
    130
                                                   <GradientStop Color="#FFC681F2" Offset="0.171"/>
                                                   <GradientStop Color="#FF0A0A0A"/>
   131
                                                   <GradientStop Color="#FF0A0A0A" Offset="0.98"/>
    132
                                                  <GradientStop Color="#FFC681F2" Offset="0.949"/>
   133
                                              </LinearGradientBrush>
    134
                                          </Button.Background>
    135
    136
                                      </Button>
                                  </StackPanel>
    137
    138
                              </StackPanel>
    139
                          </RelativePanel>
   140
                      </ScrollViewer>
                 </Grid>
   141
             </Grid>
    142
   143
          </Page>
```