

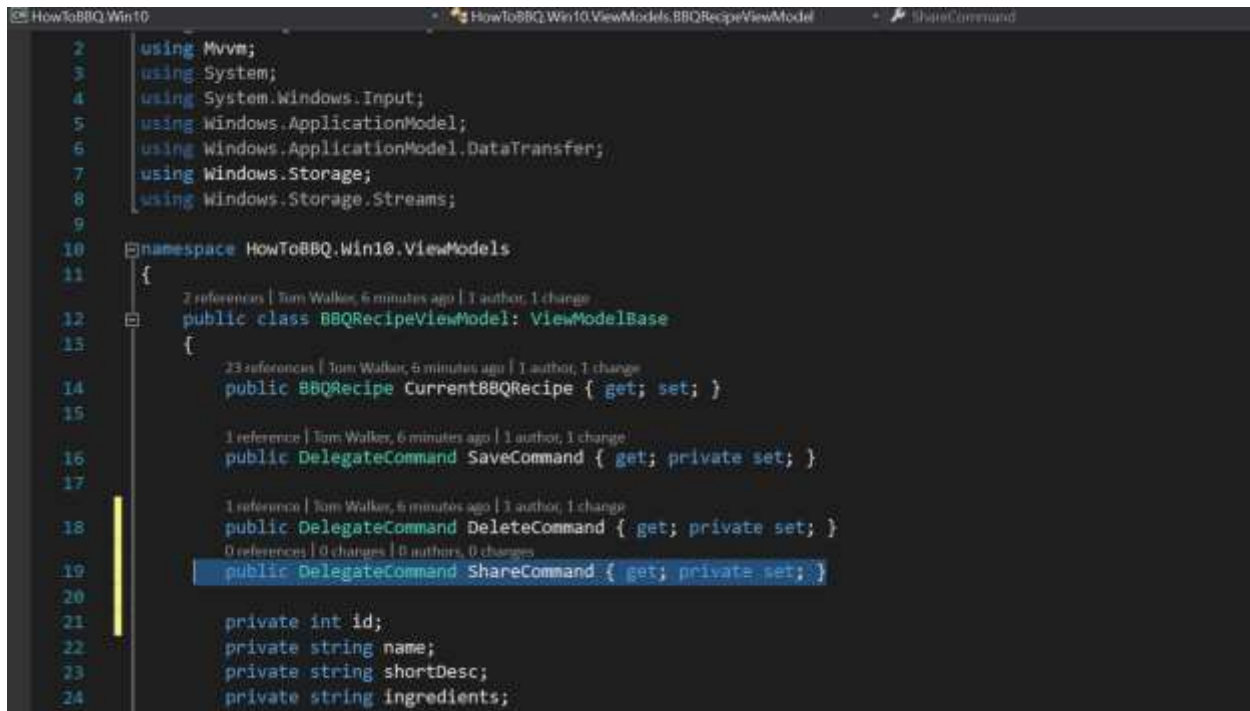
Windows 10 UWP – Hands on Lab

Lab 5:

Note: This demo app created for this lab uses the Visual Studio 2015 RTM and Windows Tools SDK ver 10240.

1. Open the \ViewModels\BBQRecipeViewModels.cs file and add the following lines of code to line 19.

```
public DelegateCommand ShareCommand { get; private set; }
```

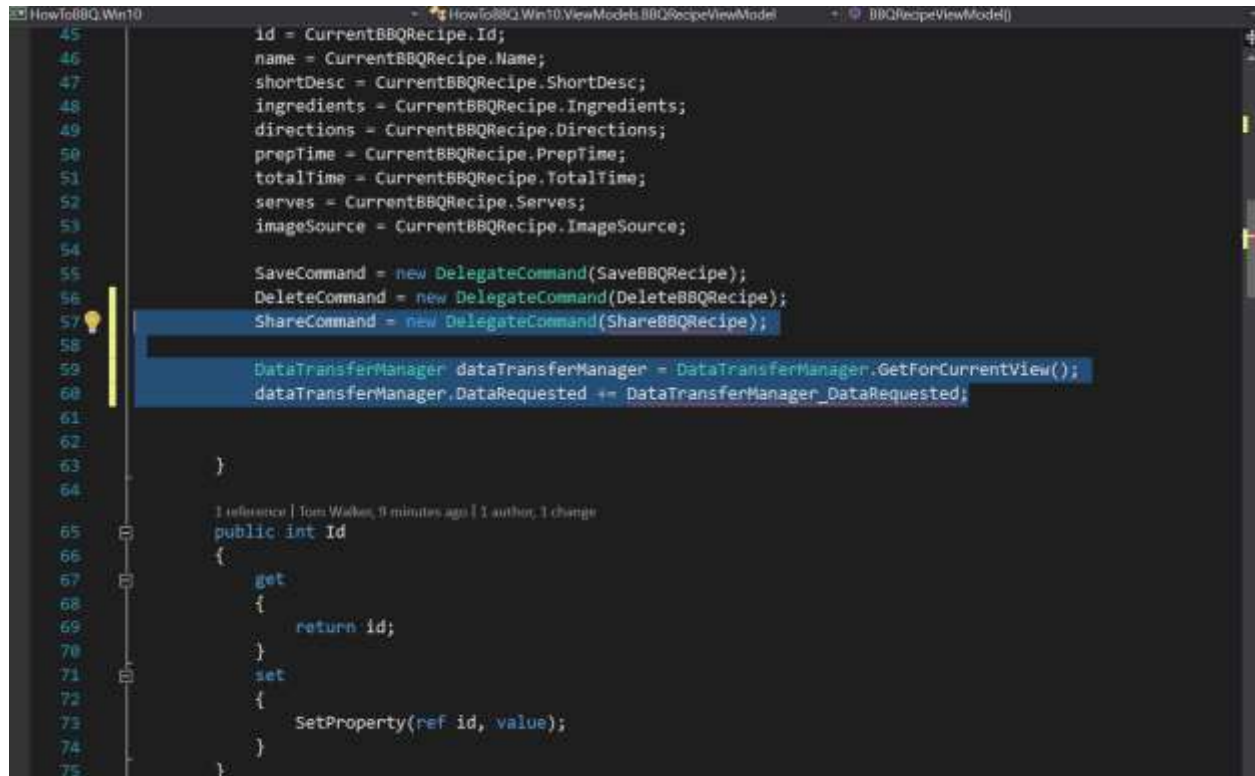


```
1  using Mvvm;
2  using System;
3  using System.Windows.Input;
4  using Windows.ApplicationModel;
5  using Windows.ApplicationModel.DataTransfer;
6  using Windows.Storage;
7  using Windows.Storage.Streams;
8
9
10 namespace HowToBBQ.Win10.ViewModels
11 {
12     2 references | Tom Walker, 6 minutes ago | 1 author, 1 change
13     public class BBQRecipeViewModel: ViewModelBase
14     {
15         23 references | Tom Walker, 6 minutes ago | 1 author, 1 change
16         public BBQRecipe CurrentBBQRecipe { get; set; }
17
18         1 reference | Tom Walker, 6 minutes ago | 1 author, 1 change
19         public DelegateCommand SaveCommand { get; private set; }
20
21         1 reference | Tom Walker, 6 minutes ago | 1 author, 1 change
22         public DelegateCommand DeleteCommand { get; private set; }
23
24         0 references | 0 changes | 0 authors, 0 changes
25         public DelegateCommand ShareCommand { get; private set; }
26
27         private int id;
28         private string name;
29         private string shortDesc;
30         private string ingredients;
```

2. In the `\ViewModels\BBQRecipeViewModels.cs` file and add the following lines of code to line 57.

```
ShareCommand = new DelegateCommand(ShareBBQRecipe);
```

```
DataTransferManager dataTransferManager =  
    DataTransferManager.GetForCurrentView();  
dataTransferManager.DataRequested += DataTransferManager_DataRequested;
```



The screenshot shows a Visual Studio editor window with the file `HowToBBQ Win10\ViewModels\BBQRecipeViewModel.cs` open. The code is as follows:

```
45     id = CurrentBBQRecipe.Id;  
46     name = CurrentBBQRecipe.Name;  
47     shortDesc = CurrentBBQRecipe.ShortDesc;  
48     ingredients = CurrentBBQRecipe.Ingredients;  
49     directions = CurrentBBQRecipe.Directions;  
50     prepTime = CurrentBBQRecipe.Preptime;  
51     totalTime = CurrentBBQRecipe.TotalTime;  
52     serves = CurrentBBQRecipe.Serves;  
53     imageSource = CurrentBBQRecipe.ImageSource;  
54  
55     SaveCommand = new DelegateCommand(SaveBBQRecipe);  
56     DeleteCommand = new DelegateCommand(DeleteBBQRecipe);  
57     ShareCommand = new DelegateCommand(ShareBBQRecipe);  
58  
59     DataTransferManager dataTransferManager = DataTransferManager.GetForCurrentView();  
60     dataTransferManager.DataRequested += DataTransferManager_DataRequested;  
61  
62  
63 }  
64  
65 1 reference | Tom Walkes, 9 minutes ago | 1 author, 1 change  
66 public int Id  
67 {  
68     get  
69     {  
70         return id;  
71     }  
72     set  
73     {  
74         SetProperty(ref id, value);  
75     }  
76 }
```

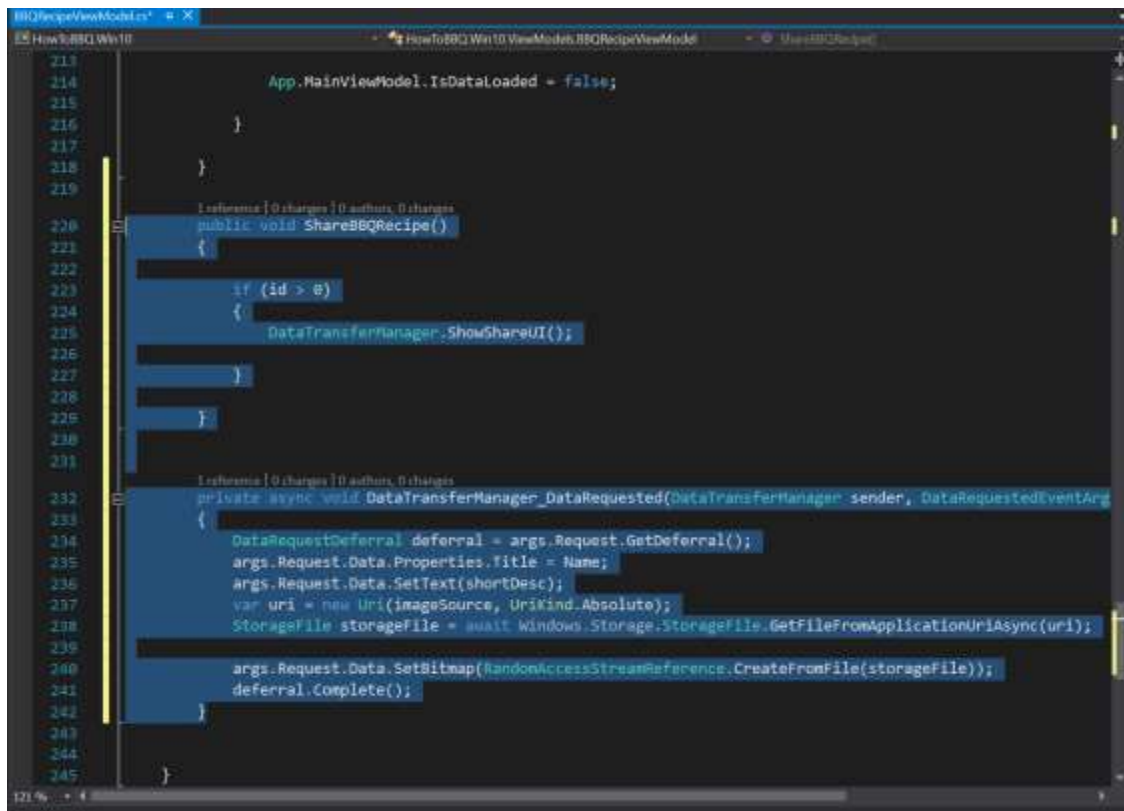
The code at lines 59 and 60 is highlighted in blue, indicating it is the code being added to line 57.

3. In the \ViewModels\BBQRecipeViewModels.cs file and add the following lines of code to line 220

```
public void ShareBBQRecipe()
{
    if (id > 0)
    {
        DataTransferManager.ShowShareUI();
    }
}

private async void DataTransferManager_DataRequested(DataTransferManager sender, DataRequestedEventArgs args)
{
    DataRequestDeferral deferral = args.Request.GetDeferral();
    args.Request.Data.Properties.Title = Name;
    args.Request.Data.SetText(shortDesc);
    var uri = new Uri(imageSource, UriKind.Absolute);
    StorageFile storageFile = await
        Windows.Storage.StorageFile.GetFileFromApplicationUriAsync(uri
    );

    args.Request.Data.SetBitmap(RandomAccessStreamReference.CreateFromFile(storageFile
    ));
    deferral.Complete();
}
```



4. Open the \Views\BBQRecipePage.xaml file and make sure the following lines of xaml code are located on line 111.

```
<Button Margin="10" x:Name="ButtonShare" Content="Share" FontSize="32"
        Command="{Binding ShareCommand}">
    <Button.Background>
        <LinearGradientBrush EndPoint="0.5,1"
            StartPoint="0.5,0">
            <GradientStop Color="#FFC681F2" Offset="0.171"/>
            <GradientStop Color="#FF0A0A0A"/>
            <GradientStop Color="#FF0A0A0A" Offset="0.98"/>
            <GradientStop Color="#FFC681F2" Offset="0.949"/>
        </LinearGradientBrush>
    </Button.Background>
</Button>
```

