

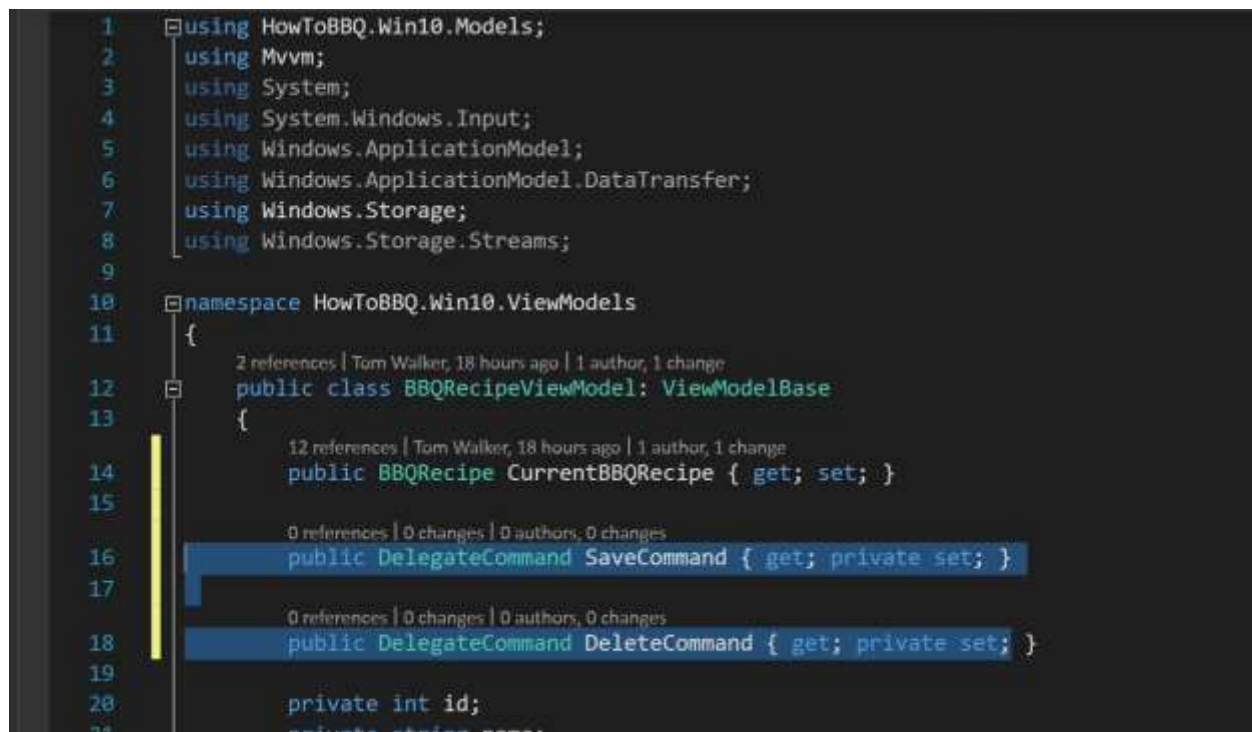
Windows 10 UWP – Hands on Lab

Lab 3:

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

1. Open the \ViewModels\BBQRecipeViewModel.cs file and add the following lines of code to line 16.

```
public DelegateCommand SaveCommand { get; private set; }  
  
public DelegateCommand DeleteCommand { get; private set; }
```



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

2. Open the \ViewModels\BBQRecipeViewModel.cs file and add the following lines of code to line 54.

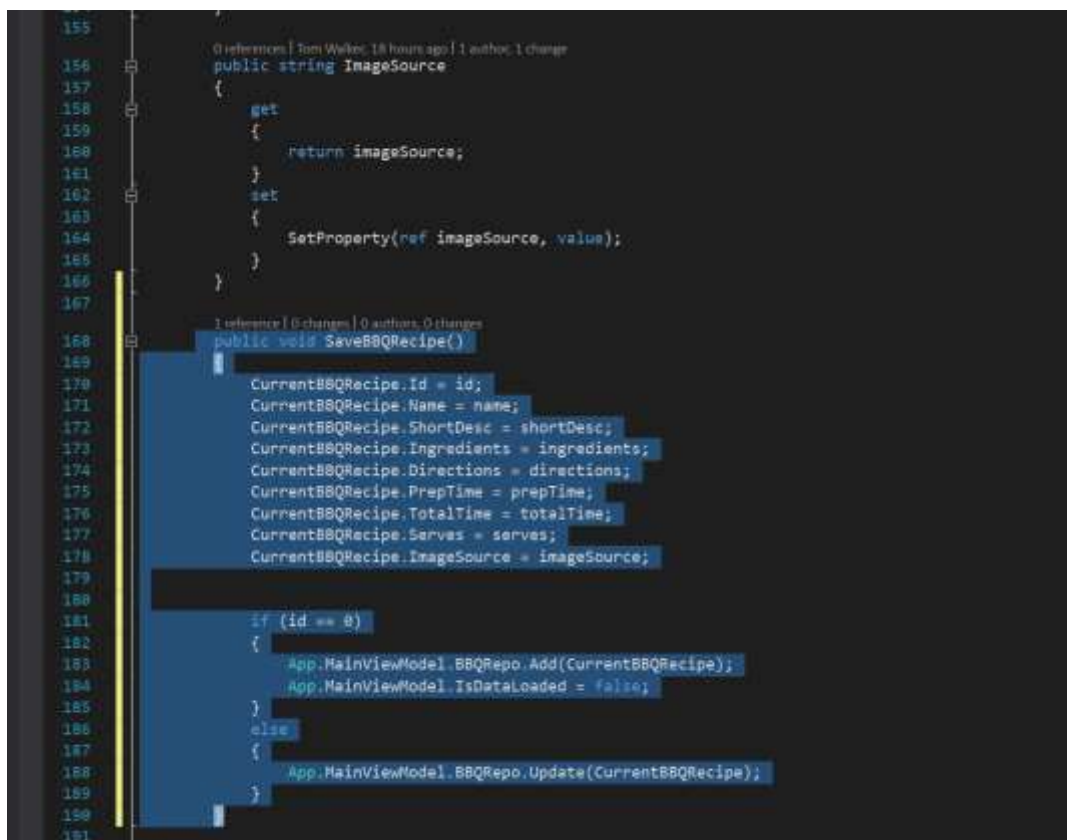
```
SaveCommand = new DelegateCommand(SaveBBQRecipe);  
DeleteCommand = new DelegateCommand>DeleteBBQRecipe);
```

```
1 reference | Tom Walker, 18 hours ago | 1 author, 1 change  
31 public BBQRecipeViewModel()  
32 {  
33  
34     if (App.MainViewModel.SelectedBBQRecipe != null)  
35     {  
36         CurrentBBQRecipe = App.MainViewModel.SelectedBBQRecipe;  
37     }  
38     else  
39     {  
40         CurrentBBQRecipe = new BBQRecipe();  
41         CurrentBBQRecipe.Id = 0;  
42     }  
43  
44     id = CurrentBBQRecipe.Id;  
45     name = CurrentBBQRecipe.Name;  
46     shortDesc = CurrentBBQRecipe.ShortDesc;  
47     ingredients = CurrentBBQRecipe.Ingredients;  
48     directions = CurrentBBQRecipe.Directions;  
49     prepTime = CurrentBBQRecipe.Preptime;  
50     totalTime = CurrentBBQRecipe.TotalTime;  
51     serves = CurrentBBQRecipe.Serves;  
52     imageSource = CurrentBBQRecipe.ImageSource;  
53  
54     SaveCommand = new DelegateCommand(SaveBBQRecipe);  
55     DeleteCommand = new DelegateCommand>DeleteBBQRecipe);  
56  
57  
58 }  
59
```

3. Open the \ViewModels\BBQRecipeViewModel.cs file and add the following lines of code to line 168.

```
public void SaveBBQRecipe()
{
    CurrentBBQRecipe.Id = id;
    CurrentBBQRecipe.Name = name;
    CurrentBBQRecipe.ShortDesc = shortDesc;
    CurrentBBQRecipe.Ingredients = ingredients;
    CurrentBBQRecipe.Directions = directions;
    CurrentBBQRecipe.Preptime = prepTime;
    CurrentBBQRecipe.TotalTime = totalTime;
    CurrentBBQRecipe.Serves = serves;
    CurrentBBQRecipe.ImageSource = imageSource;

    if (id == 0)
    {
        App.MainViewModel.BBQRepo.Add(CurrentBBQRecipe);
        App.MainViewModel.IsDataLoaded = false;
    }
    else
    {
        App.MainViewModel.BBQRepo.Update(CurrentBBQRecipe);
    }
}
```

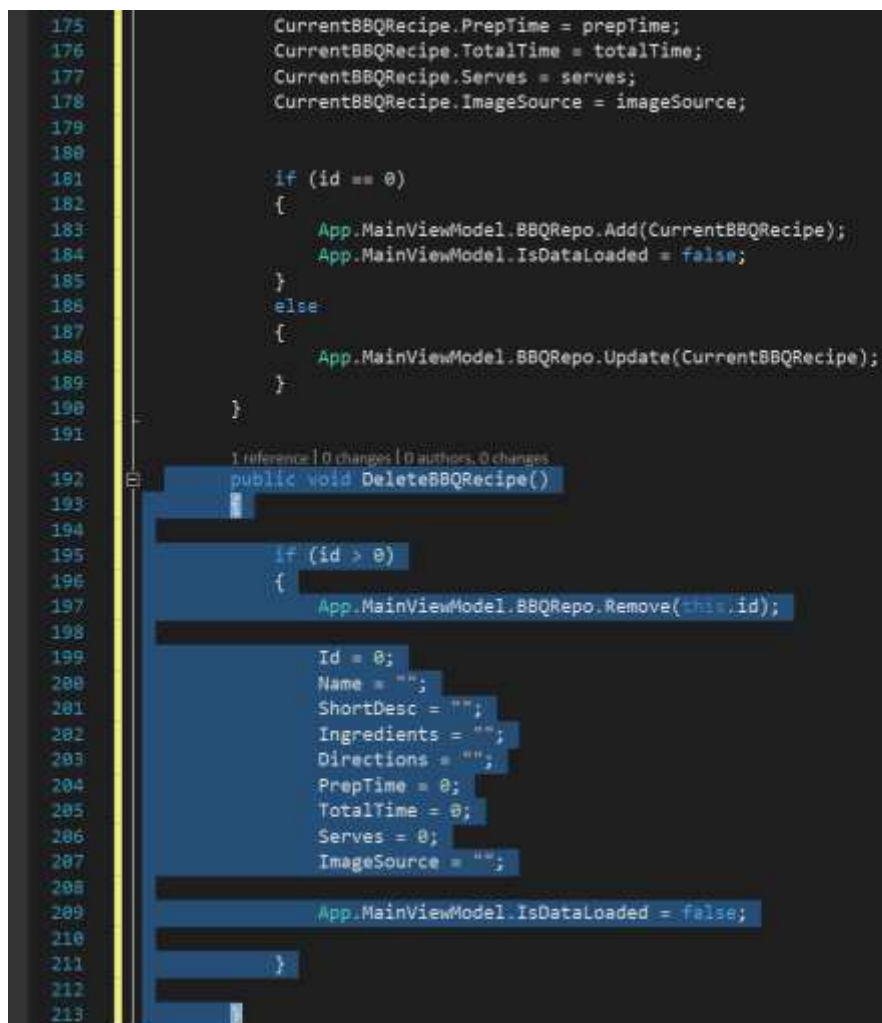


4. Open the \ViewModels\BBQRecipeViewModel.cs file and add the following lines of code to line 192.

```
public void DeleteBBQRecipe()
{
    if (id > 0)
    {
        App.MainViewModel.BBQRepo.Remove(this.id);

        Id = 0;
        Name = "";
        ShortDesc = "";
        Ingredients = "";
        Directions = "";
        PrepTime = 0;
        TotalTime = 0;
        Serves = 0;
        ImageSource = "";

        App.MainViewModel.IsDataLoaded = false;
    }
}
```



The screenshot shows a code editor with a dark background. The left margin displays line numbers from 175 to 213. The code is as follows:

```
175 CurrentBBQRecipe.PrepTime = prepTime;
176 CurrentBBQRecipe.TotalTime = totalTime;
177 CurrentBBQRecipe.Serves = serves;
178 CurrentBBQRecipe.ImageSource = imageSource;
179
180
181 if (id == 0)
182 {
183     App.MainViewModel.BBQRepo.Add(CurrentBBQRecipe);
184     App.MainViewModel.IsDataLoaded = false;
185 }
186 else
187 {
188     App.MainViewModel.BBQRepo.Update(CurrentBBQRecipe);
189 }
190
191
192 public void DeleteBBQRecipe()
193 {
194     if (id > 0)
195     {
196         App.MainViewModel.BBQRepo.Remove(this.id);
197
198         Id = 0;
199         Name = "";
200         ShortDesc = "";
201         Ingredients = "";
202         Directions = "";
203         PrepTime = 0;
204         TotalTime = 0;
205         Serves = 0;
206         ImageSource = "";
207
208         App.MainViewModel.IsDataLoaded = false;
209     }
210 }
211
212
213
```

A tooltip is visible above line 192, showing "1 reference | 0 changes | 0 authors, 0 changes".

5. Open the \Views\BBQRecipePage.xaml file and add the following lines of xaml code to line 59.

```
<StackPanel Margin="50,20,0,25" Orientation="Horizontal" Padding="10"
HorizontalAlignment="Center">
    <Button Margin="10" x:Name="ButtonSave" Content="Save"
        FontSize="32" Command="{Binding SaveCommand}">
        <Button.Background>
            <LinearGradientBrush EndPoint="0.5,1" StartPoint="0.5,0">
                <GradientStop Color="#FF6ACD18" Offset="0.171"/>
                <GradientStop Color="#FF0A0A0A"/>
                <GradientStop Color="#FF0A0A0A" Offset="0.98"/>
                <GradientStop Color="#FF6ACD18" Offset="0.949"/>
            </LinearGradientBrush>
        </Button.Background>
    </Button>
    <Button Margin="10" x:Name="ButtonDelete" Content="Delete"
        FontSize="32" Command="{Binding DeleteCommand}">
        <Button.Background>
            <LinearGradientBrush EndPoint="0.5,1" StartPoint="0.5,0">
                <GradientStop Color="#FFCD1D18" Offset="0.171"/>
                <GradientStop Color="#FF0A0A0A"/>
                <GradientStop Color="#FF0A0A0A" Offset="0.98"/>
                <GradientStop Color="#FFCD1D18" Offset="0.949"/>
            </LinearGradientBrush>
        </Button.Background>
    </Button>
</StackPanel>
```

