Observable Collections

<https://stackoverflow.com/questions/4279185/what-is-the-use-of-observablecollection-in-net>

Observable Collection is a collection that allows code outside the collection be aware of when changes to the collection (add, move, remove) occur. Code can add event handlers to see when the collection has changed and then react through the event handler to do some additional processing. This may be changing a UI or performing some other operation. It is used heavily in WPF and Silverlight but its use is not limited to there.

An ObservableCollection works essentially like a regular collection except that it implements the interfaces –

1. [INotifyCollectionChanged](https://msdn.microsoft.com/en-us/library/system.collections.specialized.inotifycollectionchanged.aspx),
2. [INotifyPropertyChanged](https://msdn.microsoft.com/en-us/library/system.componentmodel.inotifypropertychanged.aspx)

As such it is very useful when you want to know when the collection has changed. An event is triggered that will tell the user what entries have been added/removed or moved.

More importantly they are very useful when using databinding on a form.