Custom Collections

What

› Custom collection class makes it easy to store collection of objects of specific class.

› It allows you to create additional properties and methods useful to manipulate the collection.

Custom Collection

```csharp
public class ClassName : IEnumerable
{
    private List<yourClassName> list = new List<yourClassName>( );

    public IEnumerator GetEnumerator( )
    {
        for (int index = 0; index < list.Count; index++)
        {
            yield return list[index];
        }
    }
}
```

› It implements IEnumerable interface; and stores a collection as a private field.

› It can implement methods such as Add, AddRange, Find etc., and also indexer optionally.

› You can also create custom collection by implementing IList<T>; but you need to implement all methods of IList<T> interface in this case.

› You can also create custom collection by inheriting from List; it provides all methods of List to your collection class.