

[0842] ICloneable

The ICloneable interface allows you to add a "deep copy" function to your class. Here's an example:

```
public class Card : ICloneable
{
    public Rank Rank { get; private set; }
    public Suit Suit { get; private set; }

    public Card(Suit suit, Rank rank)
    {
        this.Suit = suit;
        this.Rank = rank;
    }

    public object Clone()
    {
        return this.MemberwiseClone();
    }

    public override string ToString()
    {
        return "[" + Rank + " of " + Suit + "]";
    }
}
```

Note that `this.MemberwiseClone()` should only be called if your object only contains `ValueTypes`. If it contains other `Objects` or `Arrays`, you'll need to deep-copy them into the returned object manually.