Course Summary

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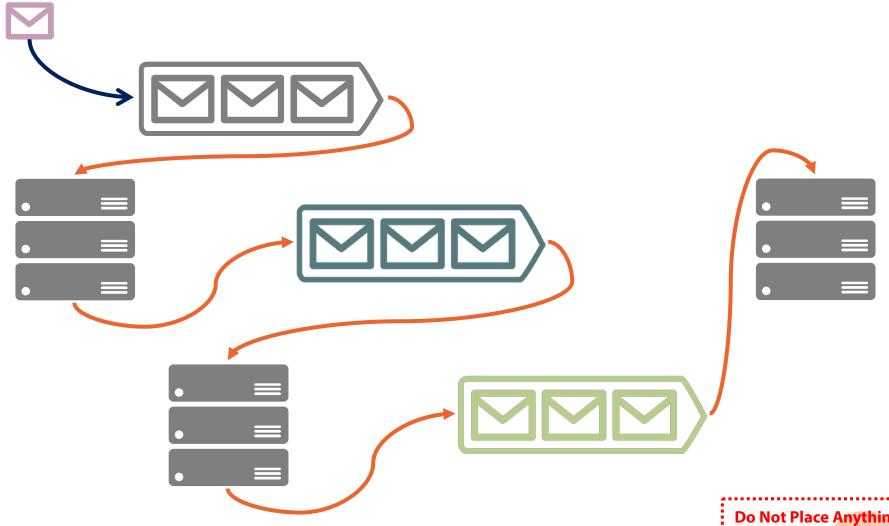






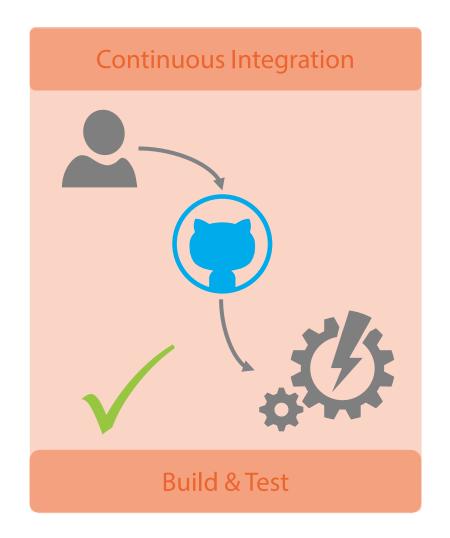
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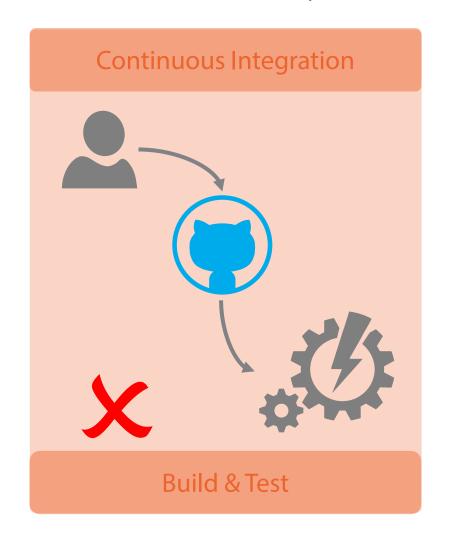
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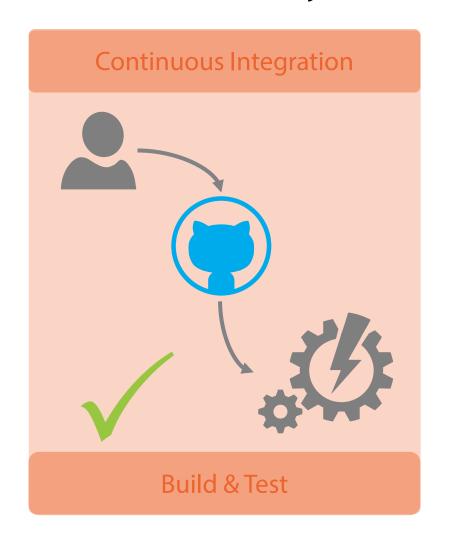
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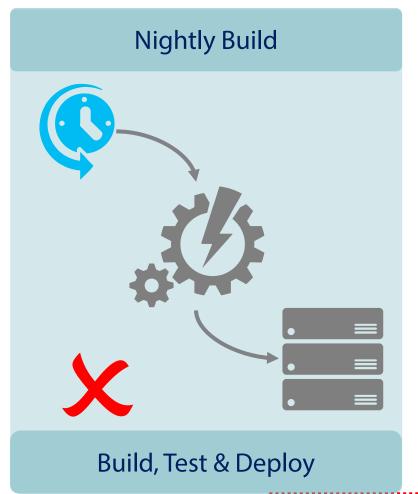




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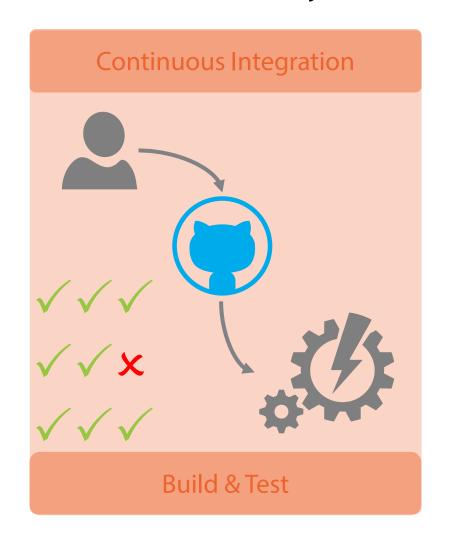
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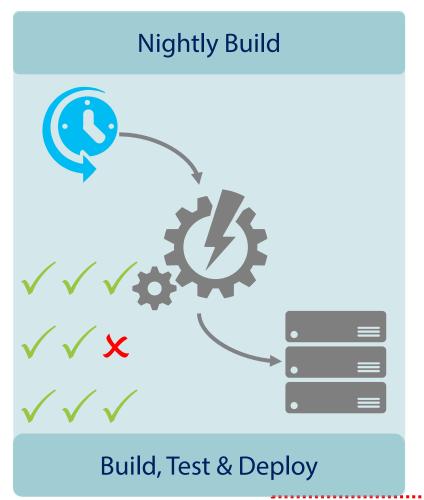




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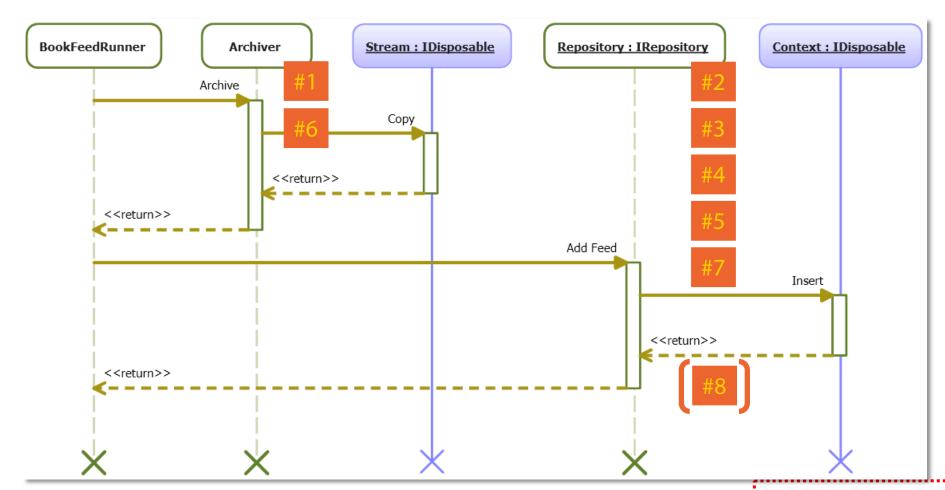
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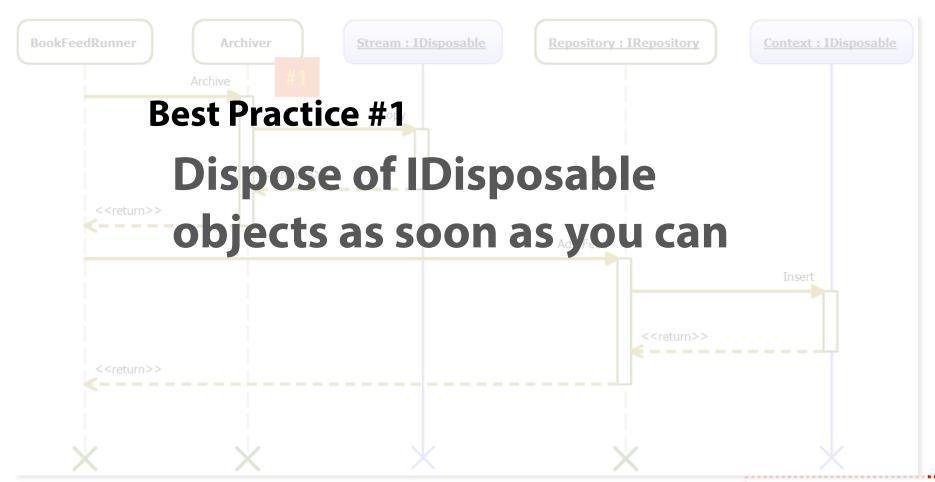
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The Best Practices



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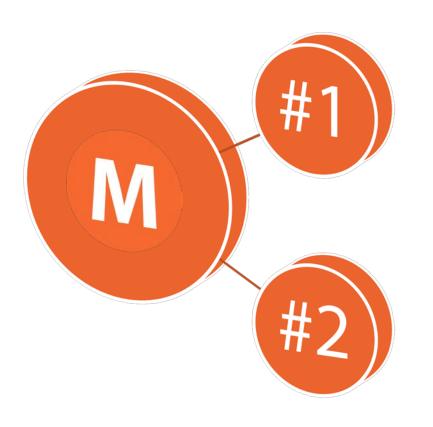
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Best Practice MoSCoW



Best Practice #1

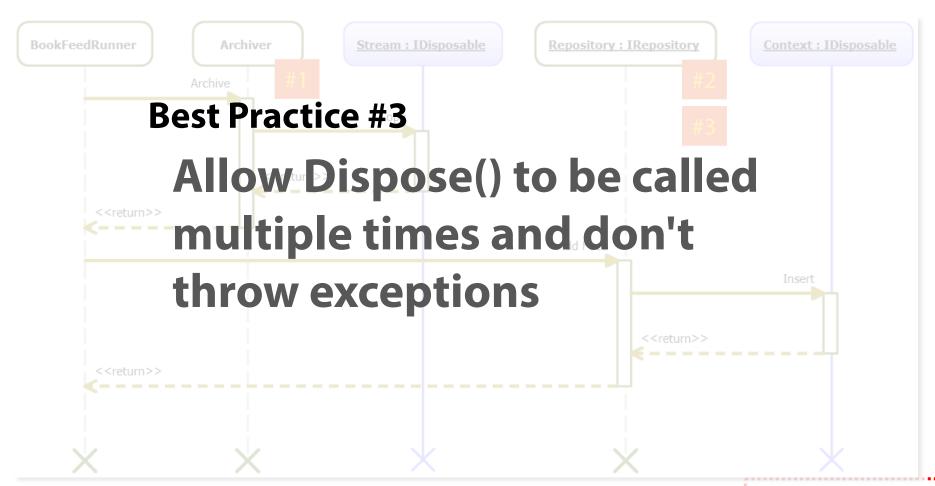
Dispose of <u>IDisposable</u> objects as soon as you can

Best Practice #2

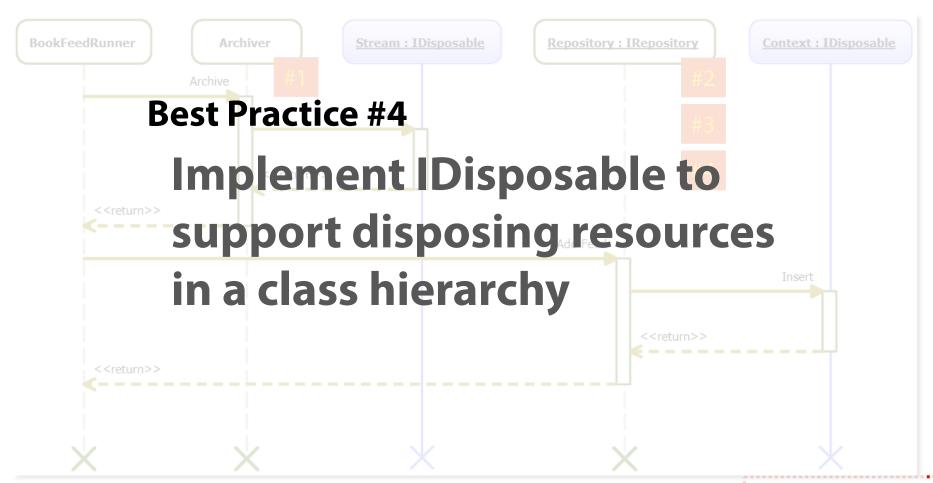
If you use <u>IDisposable</u> objects as instance fields, implement <u>IDisposable</u>

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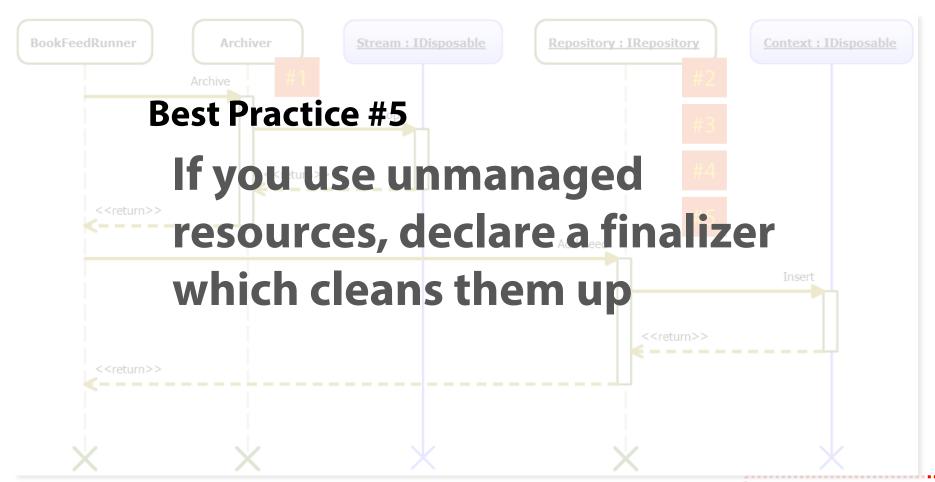
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Best Practice MoSCoW



Best Practice #3

Allow Dispose() to be called multiple times and don't throw exceptions

Best Practice #4

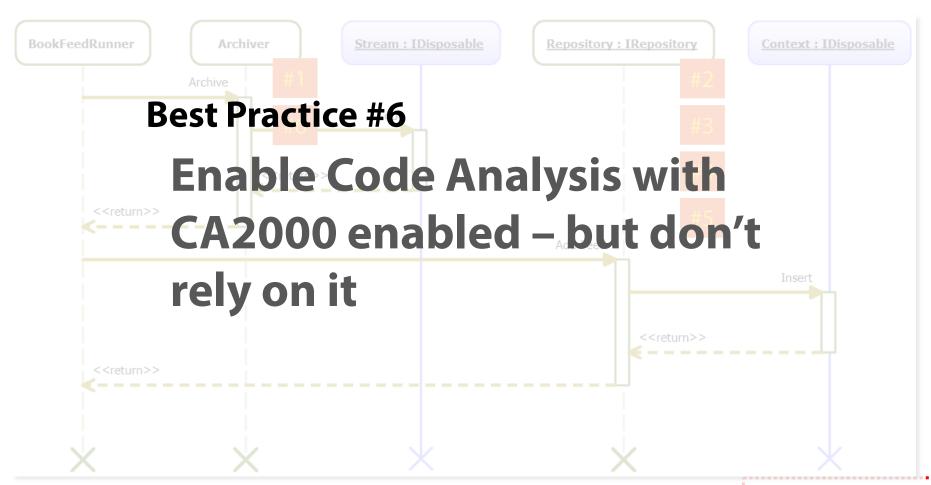
Implement IDisposable to support disposing resources in a class hierarchy

Best Practice #5

If you use unmanaged resources, declare a <u>finalizer</u> which cleans them up

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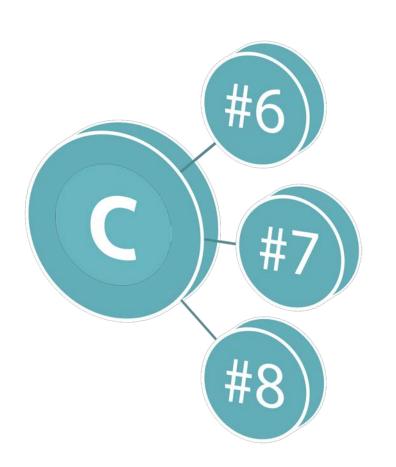


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Best Practice MoSCoW



Best Practice #6

Enable Code Analysis with CA2000 enabled – but don't rely on it

Best Practice #7

If you implement an interface and use IDisposable fields, extend your interface from IDisposable

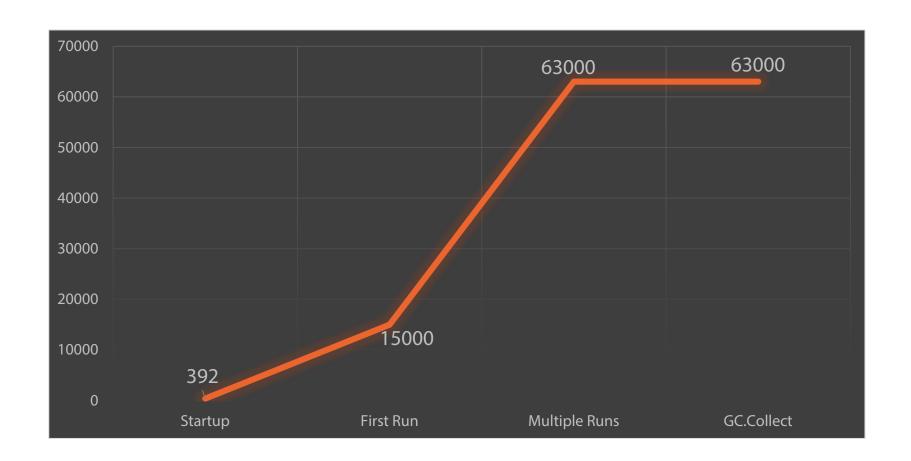
Best Practice #8

If you implement IDisposable, don't implement it explicitly

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Using IDisposable Correctly

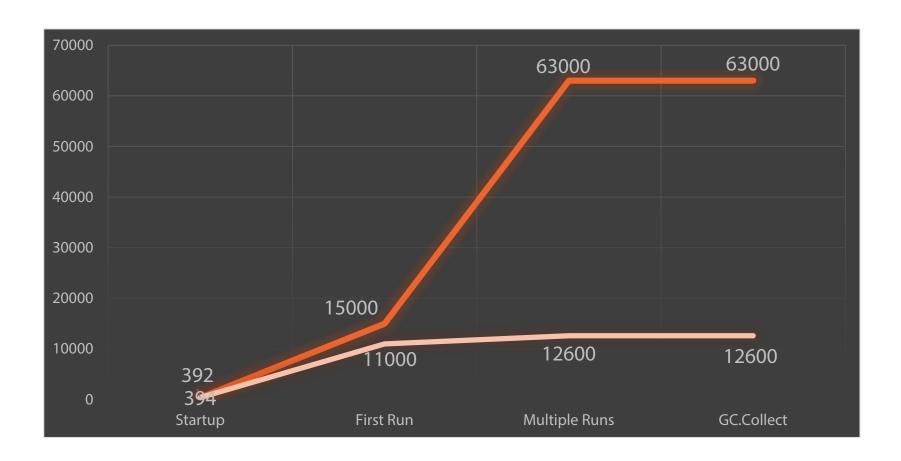


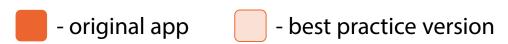


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Using IDisposable Correctly





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during Slide Show view.

Summary

Introducing IDisposable



- Interface definition
- Unmanaged resources & other IDisposables

What happens when the GC runs?



- GC what and when
- Where IDisposable fits in

What happens when you don't dispose?



- **Functional defects**
- Performance problems
- How to find & fix problems

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