

UML for .NET Developers

Implementation Diagrams, Packages & Model Management

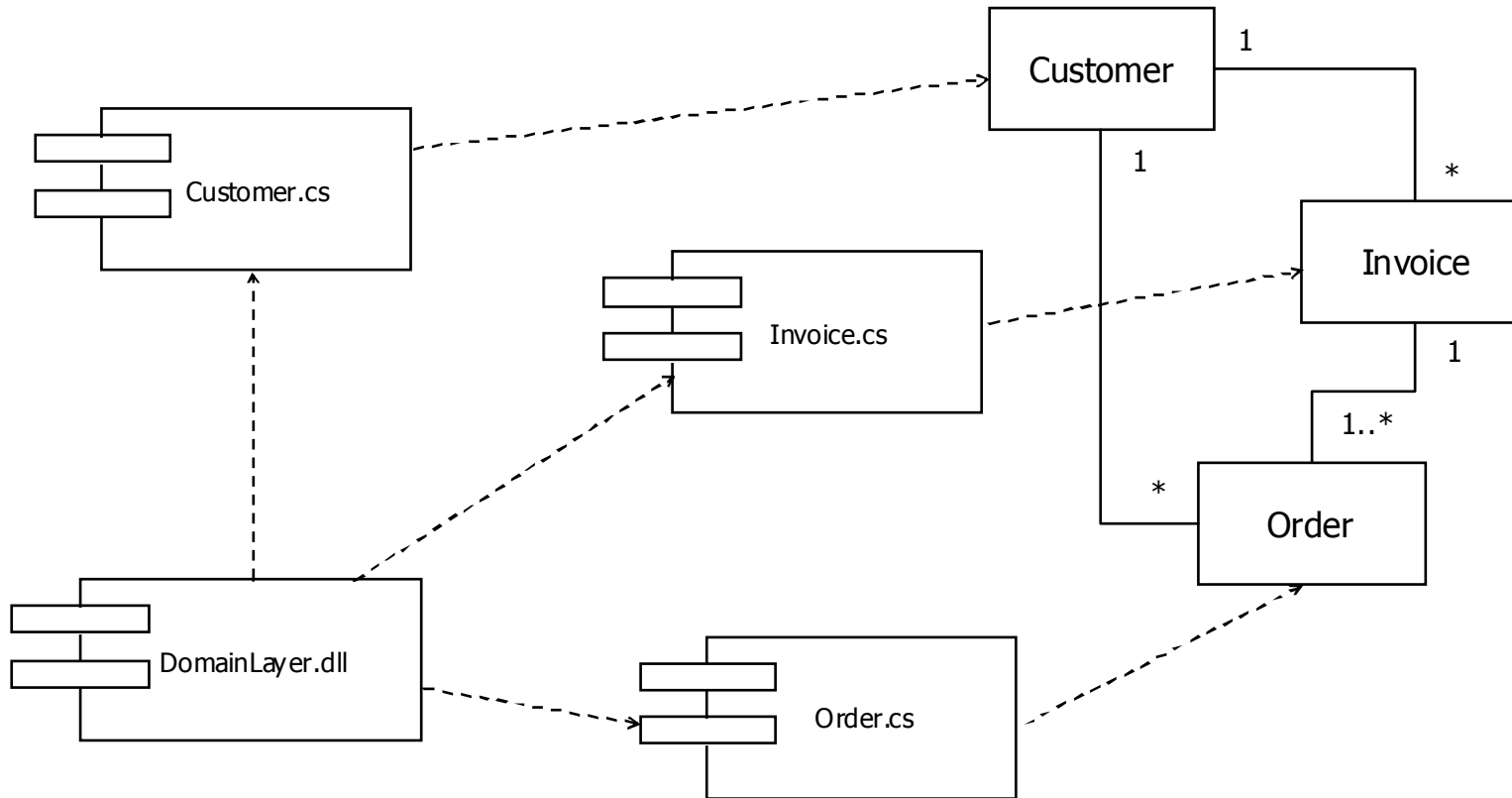
Jason Gorman



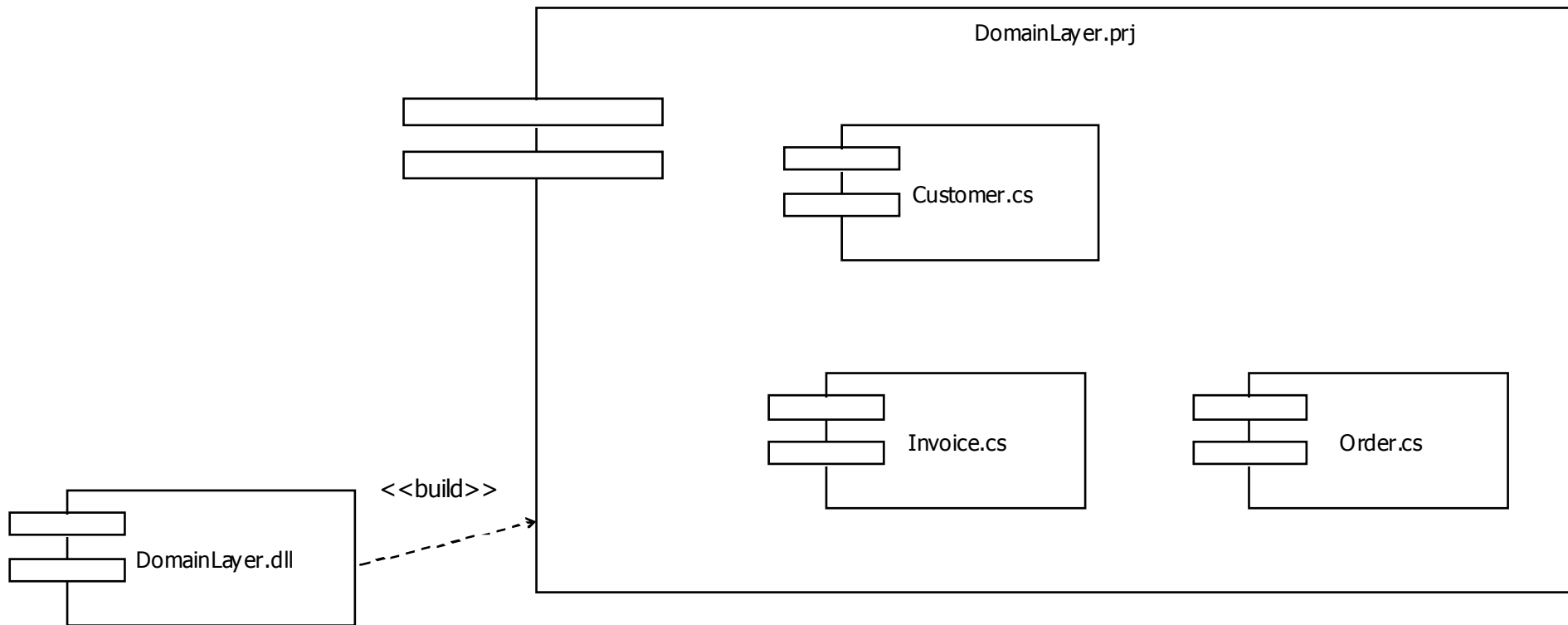
Accelerated learning for C# developers

Get the UML for .NET Premium Package at
<http://www.parlezuml.com/tutorials/umlfordotnet.htm>

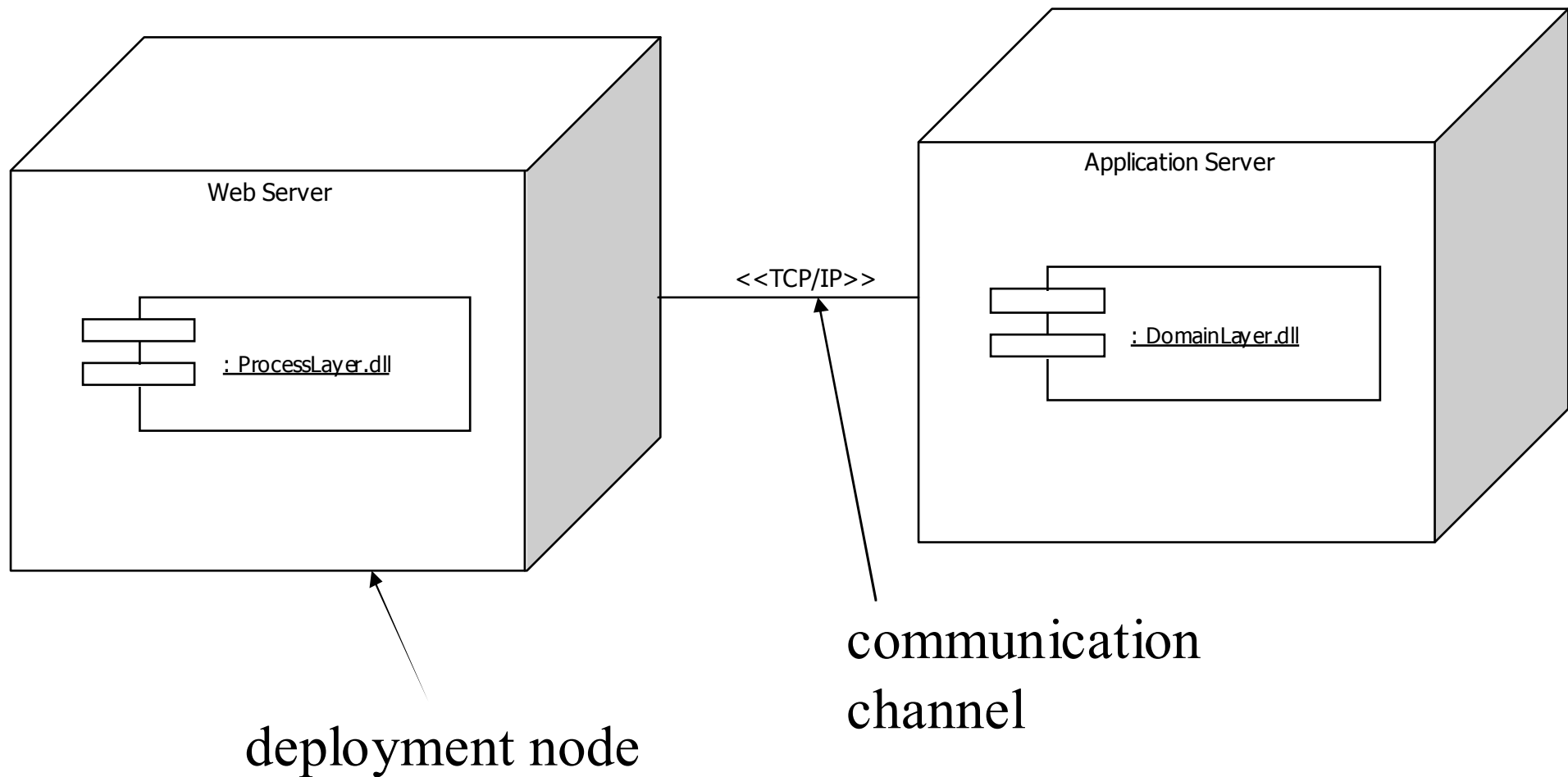
Components Are Physical Files



Components Can Contain Components



Instances of Components Can be Deployed





Accelerated learning for C# developers

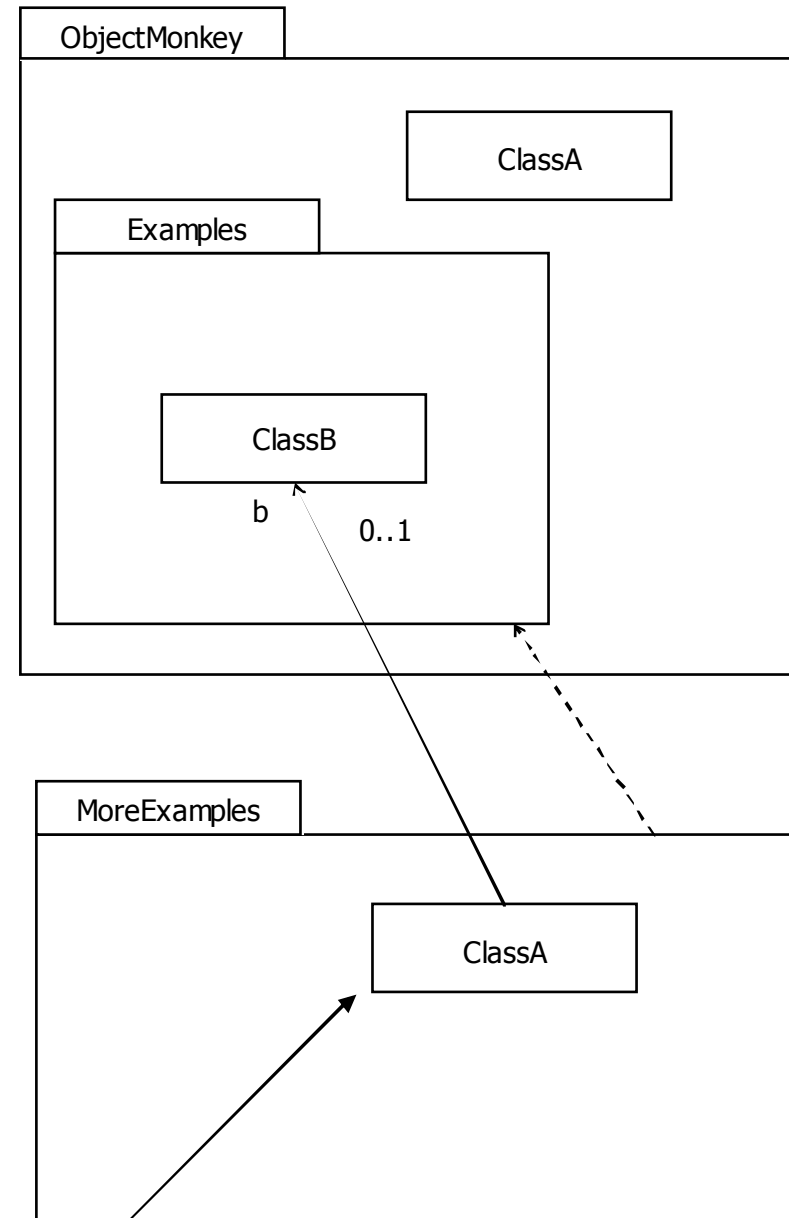
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Packages & Namespaces

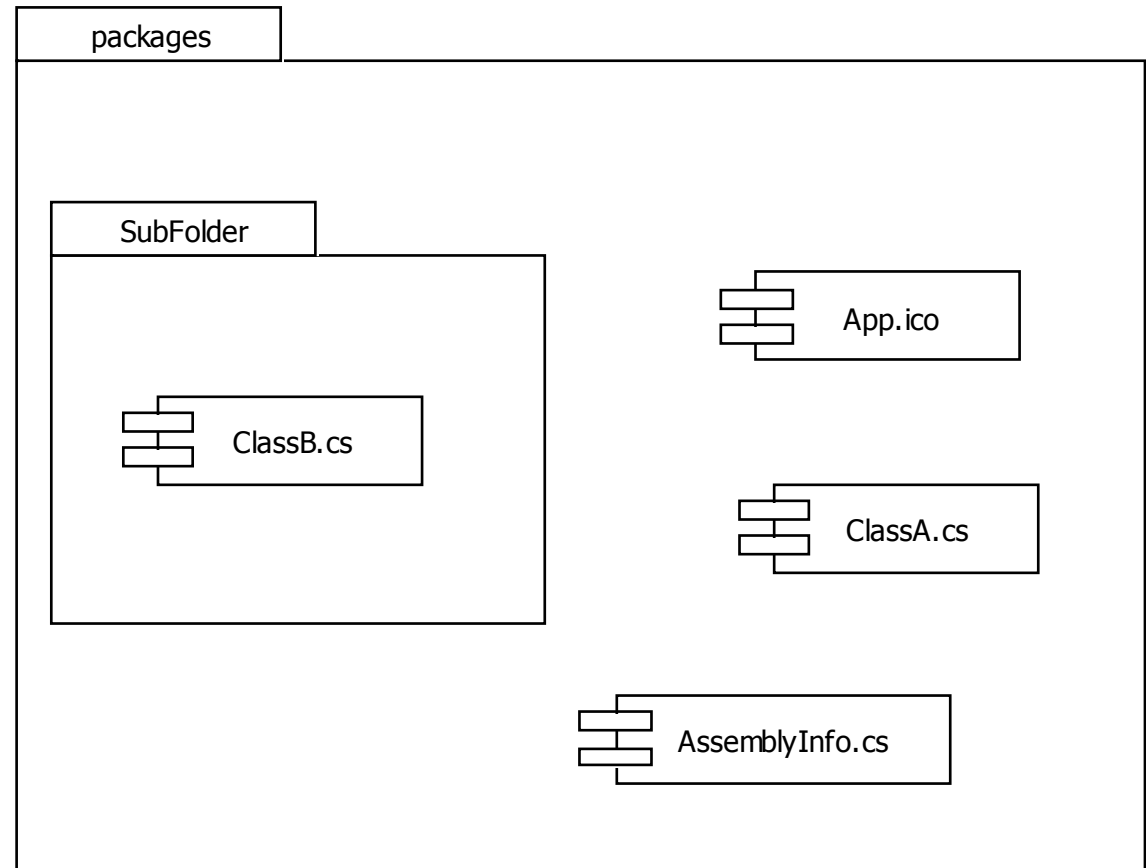
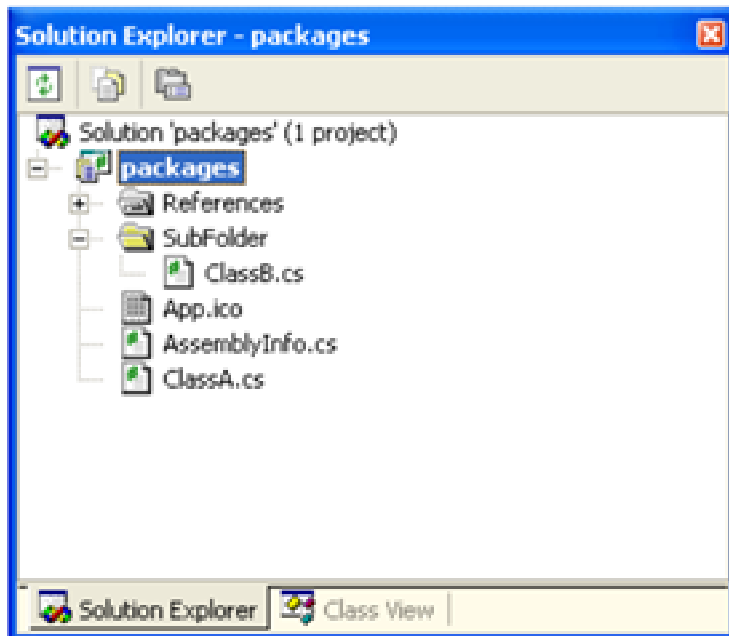
```
namespace ObjectMonkey
{
    class ClassA
    {
    }
    namespace Examples
    {
        class ClassB
        {
        }
    }
}

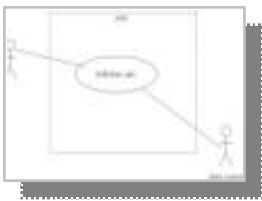
namespace MoreExamples
{
    using ObjectMonkey.Examples;

    class ClassA
    {
        private ClassB b;
    }
}
```



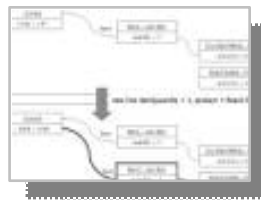
Packages & Folders





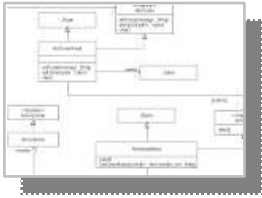
Use Case Diagrams

Model the users of the system and the goals they can achieve by using it



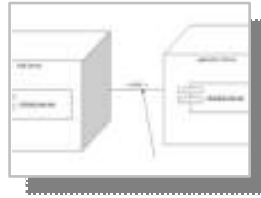
Object Diagrams & Filmstrips

Model snapshots of the running system and show how actions change object state



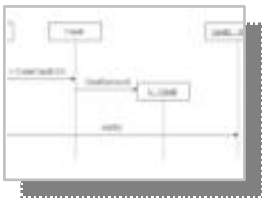
Class Diagrams

Model types of objects and the relationships between them.



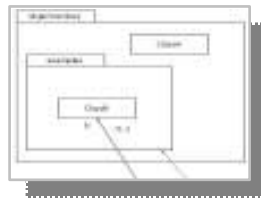
Implementation Diagrams

Model the physical components of a system and their deployment architecture



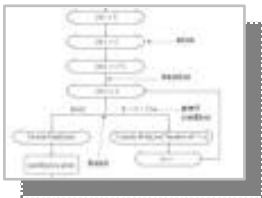
Sequence Diagrams

Model how objects interact to achieve functional goals



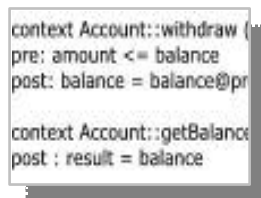
Packages & Model Management

Organise your logical and physical models with packages



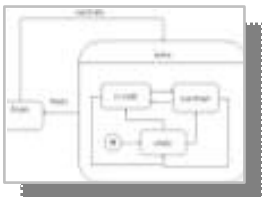
Activity Diagrams

Model the flow of use cases and single and multi-threaded code



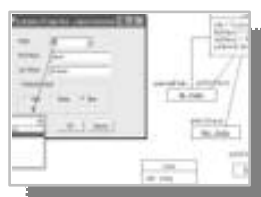
Object Constraint Language

Model business rules and create unambiguous specifications



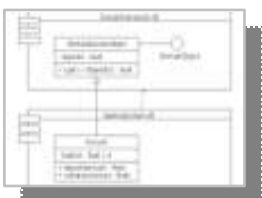
Statechart Diagrams

Model the behaviour of objects and event-driven applications



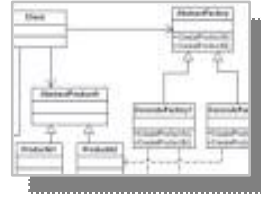
User Experience Modeling

Design user-centred systems with UML



Design Principles

Create well-designed software that's easier to change and reuse



Design Patterns

Apply proven solutions to common OO design problems



UML for .NET Premium Package

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