JJ's Reference Architecture

Part 1

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Author: Jan-Joost van Zon Date: December 2014 – June 2017 Under Construction

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Business Logic Patterns		
Business layer		
Repository Wrappers		
Validators		
Side Effects		
LinkTo		
Cascading Extensions		
Manager / Facade		
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TryGet-Insert-Update		
TryGet-Insert-Update-Delete / Full-CRUD Conversion / Collection	Conver	sion Error! Bookmark
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DocumentModel	.Error!	Bookmark not defined.
Selector-Model-Generator-Result	.Error!	Bookmark not defined.
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Accessor		
Adapter	.Error!	Bookmark not defined.
Anti-encapsulation		
Initialization and Finalization		
Constructor Inheritance		
DebuggerDisplays		
Executor		
Inheritance-Helper		
Factory		
Factory-Base-Interface		
TryGet		
,		

Get-TryGet-GetMany	Error! Bookmark not define
Helper	Error! Bookmark not define
Info	Error! Bookmark not define
IsSupported	Error! Bookmark not define
Mock	Error! Bookmark not define
Name Constants	Error! Bookmark not define
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Plug-In Model	
Progress and Cancel Callbacks	Error! Bookmark not define
Singular, Plural, Non-Recursive, Recursive and WithRelatedEn	
Wrapper	
Alternatives	
Rich Models	
pects	
Authoring & Reviewing	
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Calculation	
Cascading	
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Collections / List Processing	
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Concurrency	
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Configuration	
Custom Configuration Sections	
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connectionStrings	
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Debugging	
Entity Model / Data Model	
Entity Status Management	Error! Bookmark not define
Alternatives	Error! Bookmark not define
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Enum-Like Entities	Error! Bookmark not define
Localization	Error! Bookmark not define
TODO	Error! Bookmark not define
Errors	Error! Bookmark not define
Exceptions	Error! Bookmark not define
Facades	Error! Bookmark not define
Inverse Relationship Management / Inverse Property Management	entError! Bookmark not define
10	Error! Bookmark not define
Logging	Error! Bookmark not define
Multi-Language / Translations / Culture	
Separate Content Items	
Loosely Linked Translation Entities	
Many Foreign Keys	
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Naming	Frror! Bookmark not defined.
Paging	
Parsing	
Performance	
Persistence	
Platform Compatibility	
Reflection	
Scheduling	
Security	
Side Effects	
Text Processing	Error! Bookmark not defined.
Transactions	Error! Bookmark not defined.
Unit Testing	Error! Bookmark not defined.
User Interface	Error! Bookmark not defined.
Utilities	Error! Bookmark not defined.
Validation	Error! Bookmark not defined.
API's	Error! Bookmark not defined.
AJAX	Error! Bookmark not defined.
Embedded Resources	Error! Bookmark not defined.
Entity Framework 5	Error! Bookmark not defined.
JavaScript / TypeScript	Error! Bookmark not defined.
NHibernate	Error! Bookmark not defined.
ORM	Error! Bookmark not defined.
SQL	Error! Bookmark not defined.
With NHibernate	
Files instead of Embedded Resources	
Strings instead of Embedded Resources:	
XML	
Framework.Business Relationships	
Practices & Principles	
Responsibilities	
Separation of Concerns	
Combination of Concerns	
2 API's for the Same Thing (bad)	
Copy-Paste Programming (bad)	
Do Not Repeat Yourself (DRY)	
Dump Code Line Here (bad)	
God-Object (bad)	
God Base Class (bad)	
Granularity	
Helperitis (bad)	
Spread Responsibility (bad)	
Too Many Responsibilities (bad)	
Two Solutions for the Same Thing (bad)	
Vague Justification (bad) Error Checking	
Be Stict	
Error Hiding / Null-Tollerance (bad)	
Null-Checks	
Process that Checks Itself (generally bad)	
ו וטנפים נוומנ כוופנגים ונספוו (צפוופומווץ שמע)	בווטו: שטטגווומוג ווטנ עפוווופע.

Reject, Don't Correct	Error! Bookmark not defined.
Interfacing	
'All' and 'Many'	
Blackboxing and Whiteboxing	
Clarity over Brevitity	
Conceptual Names (bad)	
CRUD	
Delegitis (bad)	Error! Bookmark not defined.
Dependency Injection	
Entity Design	Error! Bookmark not defined.
Execution Order Dependence (bad)	Error! Bookmark not defined.
Handy Extras / Ya Ain't Gonna Need It (bad)	Error! Bookmark not defined.
Hatch / 'Doorgeefluik' (generally bad)	Error! Bookmark not defined.
Hollow Interface	Error! Bookmark not defined.
Interface Contamination	Error! Bookmark not defined.
Interface Neutrality	
Interface Stability	
IO Transparency	
Kama-Sutra Pattern (bad)	
Leaky Abstractions (bad)	
Loose Coupling	
Lying Names	
Magic (bad)	
Magic Defaults (generally bad)	
Magic Numbers / Magic Strings (bad)	
Method Self-Sufficient	
Ripple-Effect	
See from Name, not from Arguments	
Spooky Action (at a Distance) / Cause and Effect too Far Apart Syntactic Sugar	
Unclear Interfaces	
The Unwritten Agreement ('het onderonsje') (bad)	
Wrapperitis (bad)	
Variables and Parameters	
Double Negatives (bad)	
High-Throughput (bad)	
Keep the Names Consistent	
Many Properties (generally bad)	
Methods Instead of Parameters (good)	
Pass on and Assign (generally bad)	
Returning a Parameter (bad)	
Temporary Variables (good)	Error! Bookmark not defined.
Unused Parameter (bad)	Error! Bookmark not defined.
Variable not Declared Where it is Used (bad)	Error! Bookmark not defined.
Variables that Change Meaning (bad)	Error! Bookmark not defined.
Method Bodies	
Auto-Instatiation	
Constructor Calls an Overridable (bad)	
Cross-Referencing (generally bad)	
Empty If-Block (generally bad)	Error! Bookmark not defined.

Foreach with i	Error! Bookmark not defined.
Last Loop Item	
Method too Long / Class too Long	
Nested Loops (sometimes bad)	
Nesting too Deep	
Toilet-Role Principle	
Strategy	
Abstract / Concrete	
Anti-programming	Error! Bookmark not defined.
Asymmetry (bad)	Error! Bookmark not defined.
Bug Solving	Error! Bookmark not defined.
Bottom-Up and Top-Down	Error! Bookmark not defined.
Cartesian Product of Features Problem	Error! Bookmark not defined.
Chicken and Egg	Error! Bookmark not defined.
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Core of the Problem	Error! Bookmark not defined.
Delete + Insert != Update	Error! Bookmark not defined.
Distortion (usually bad)	Error! Bookmark not defined.
Dot It Right, Or Don't Do It At All	Error! Bookmark not defined.
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First Try Specific, Then Try Generic	Error! Bookmark not defined.
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GNUID (bad)	Error! Bookmark not defined.
Hard-Coding and Soft-Coding	Error! Bookmark not defined.
Hit F5 and See	Error! Bookmark not defined.
Ideal Solution	Error! Bookmark not defined.
Inheritance is not Always Good	Error! Bookmark not defined.
It Works, Doesn't It? ('Maar het werkt toch?') (bad)	
Least Possible Effort Strategy (bad)	
Liskov-Substution Principle (SOLID)	
Unused Functions (bad)	
Open/Closed Principe (SOLID)	
Open Ends (bad)	
Power of Abstraction / Power of Generalization	
Quick and Dirty / Dirty (usually bad)	
Readable, Writable and Rewritable Code	
Subtractive and Additive	
Testing	
Too Difficult / Disproportional Effort	
Tooleritis	
Trade-Offs	
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SOLID	
Service Architecture	
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Standard ESB vs Custom ESB		
ESB Model		
Enterprises		
ConnectionTypes		
Connections		
Keys	Error! I	Bookmark not defined.
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Team Management		
Focus Points		
Dialog		
Periodic Individual Meetings		
Reporting to Management		
Limiting Dialog		
Support		
Question Rotation	Error! I	BOOKMARK NOT GETINEG.

Support & Direction	Error! Bookmark not defined.
Developer Skills	Error! Bookmark not defined.
Direction	Error! Bookmark not defined.
Miscellaneous Pointers	Error! Bookmark not defined.
Vary a Developer's Tasks	Error! Bookmark not defined.
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