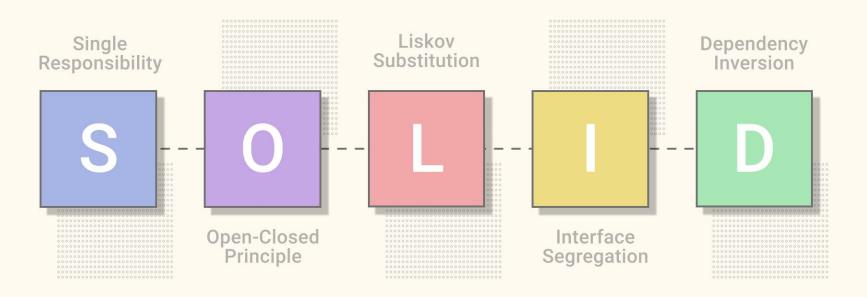
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Robert C. Martin



FLAWLESSAPP.IO

Michael Fathers:

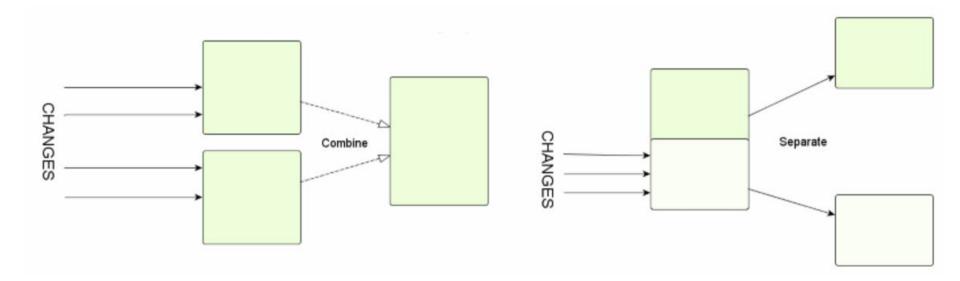


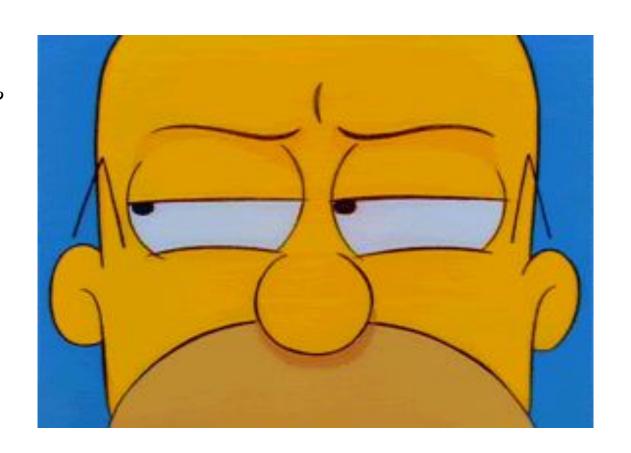


S - SINGLE RESPONSIBILITY PRINCIPLE (SRP)

A class should have one, and only one, reason to change"

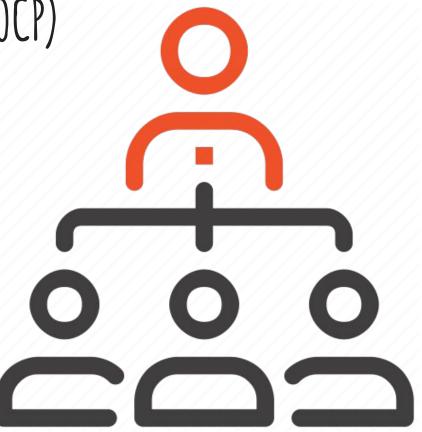
"Princípio da responsabilidade única"





0 - OPEN CLOSED PRINCIPLE (OCP)

Software entities should be open for extension, but closed for modification





L - LISKOV SUBSTITUTION PRINCIPLE (LSP)

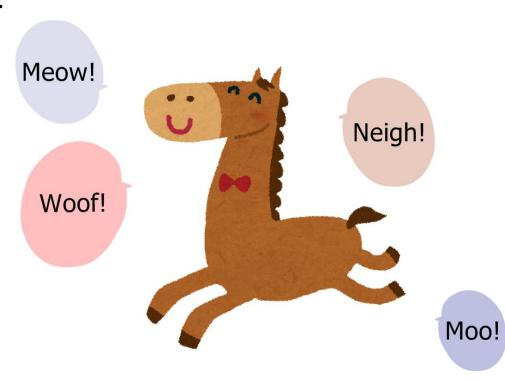
Objects in a program should be replaceable with instances of their subtypes without altering the correctness of that program

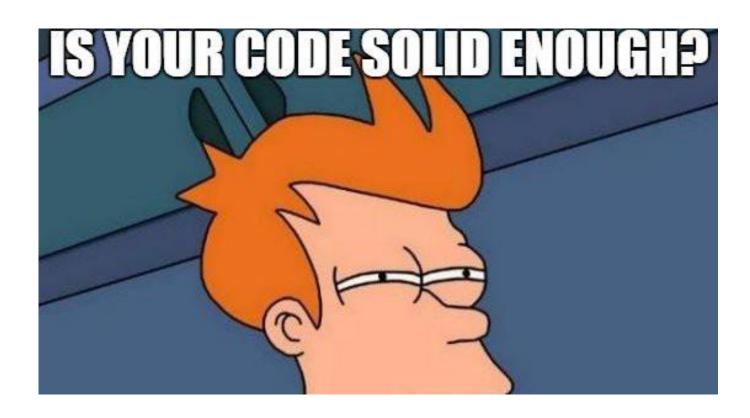




I - INTEGRATION SEGREGATION PRINCIPLE - (ISP)

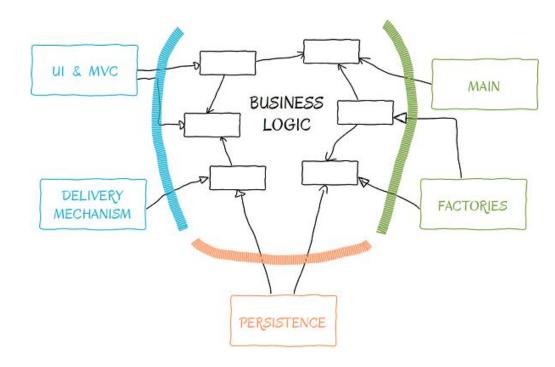
Many client-specific interfaces are better than one general-purpose interface





D - DEPENDENCY INVERSION PRINCIPLE (DIP)

- High-level modules should not depend on low-level modules.
 Both should depend on abstractions.
- Abstractions should not depend on details. Details should depend on abstractions.







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http://butunclebob.com/ArticleS.UncleBob.PrinciplesOfOod

The first five principles are principles of class design. They are:

SRP	The Single Responsibility Principle	A class should have one, and only one, reason to change.
ОСР	The Open Closed Principle	You should be able to extend a classes behavior, without modifying it.
LSP	The Liskov Substitution Principle	Derived classes must be substitutable for their base classes.
ISP	The Interface Segregation Principle	Make fine grained interfaces that are client specific.
DIP	The Dependency Inversion Principle	Depend on abstractions, not on concretions.

The next six principles are about packages. In this context a package is a binary deliverable like a .jar file, or a dll as opposed to a namespace like a java package or a C++ namespace.

The first three package principles are about package cohesion, they tell us what to put inside packages:

RI	The Release Reuse Equivalency Principle	The granule of reuse is the granule of release.
C	The Common Closure Principle	Classes that change together are packaged together.
CI	The Common Reuse Principle	Classes that are used together are packaged together.

The last three principles are about the couplings between packages, and talk about metrics that evaluate the package structure of a system.

ADP	The Acyclic Dependencies Principle	The dependency graph of packages must have no cycles.
SDP	The Stable Dependencies Principle	Depend in the direction of stability.
SAP	The Stable Abstractions Principle	Abstractness increases with stability.