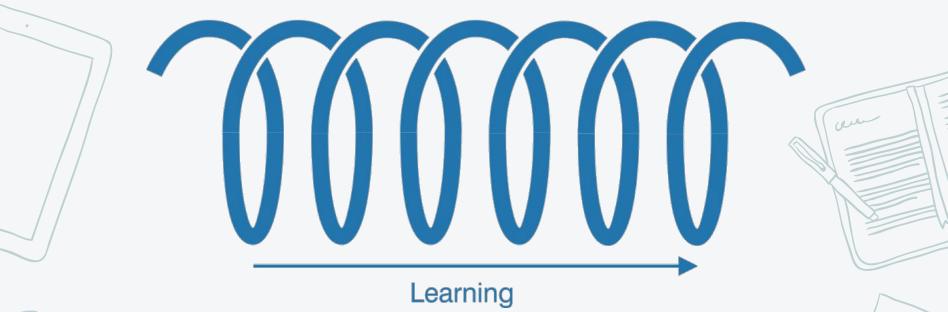






TRIED AND TESTED SOLUTIONS











DOCUMENTED





















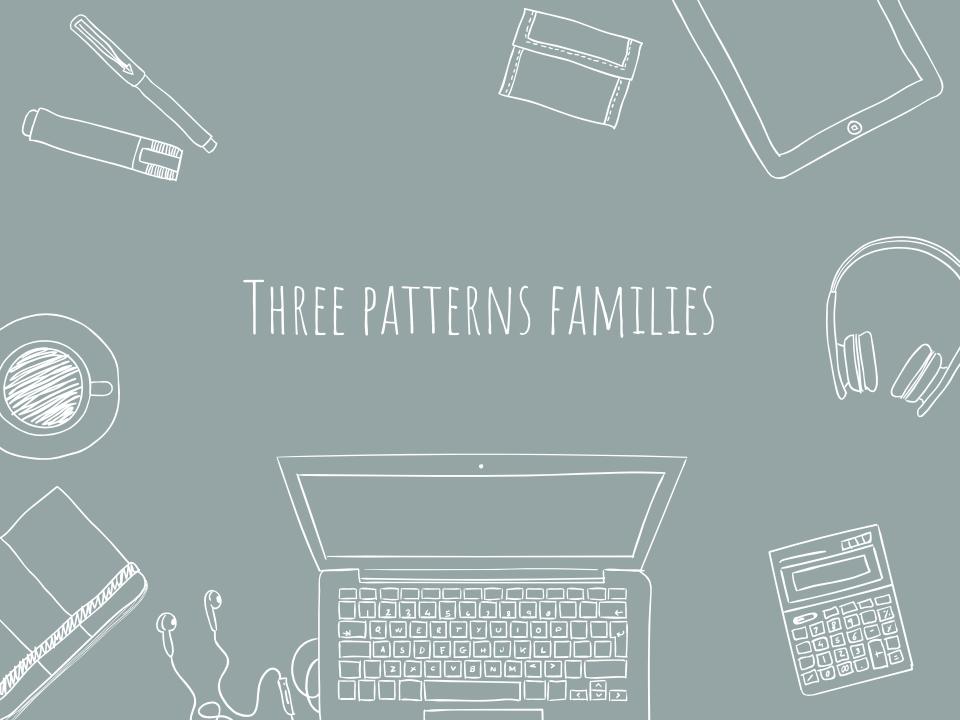


DISCUSSION











CREATIONAL PATTERNS





- Abstract Factory
- > Builder
- Factory Method
- Lazy Initialization
- Prototype
- > Singleton









STRUCTURAL PATTERNS





- > Bridge
- Composite
- Decorator
- > Facade
- > Flyweight
- > Proxy











BEHAVIORAL PATTERNS



- Chain of Responsibility
- > Command
- > Interpreter
- > Iterator
- Mediator
- > Memento

- > Observer
- > State
- > Strategy
- > Template Method
- Visitor









Divide an application into three interconnected parts





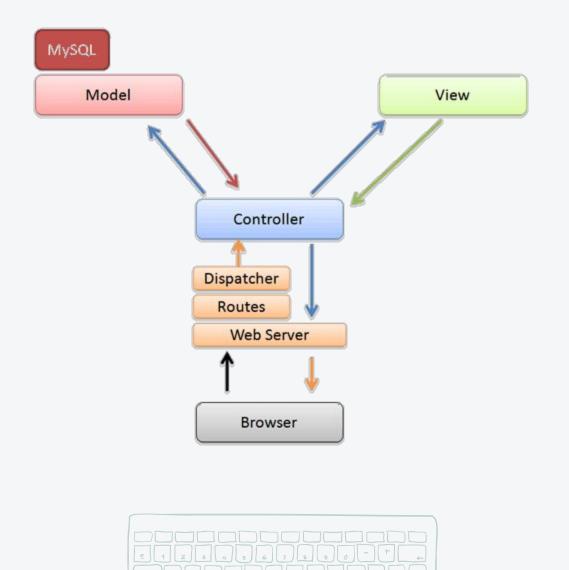






MVC











ITERATOR

The iterator pattern allows to traverse a container and access its elements.







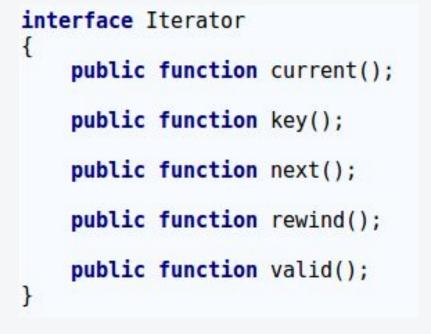




ITERATOR





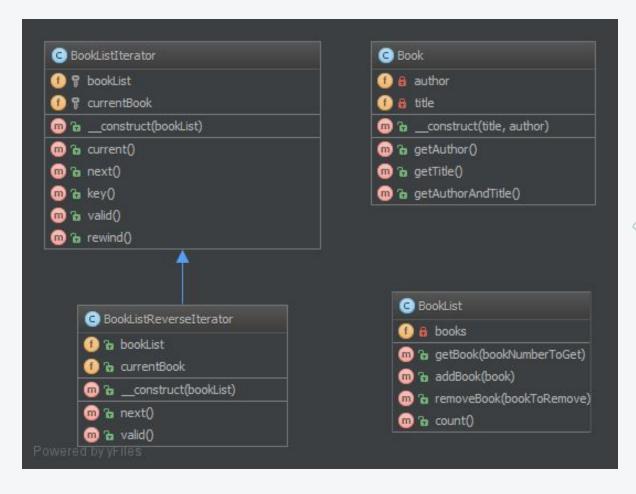








ITERATOR













DEPENDENCY INJECTION

To implement a loosely coupled architecture in order to get better testable, maintainable and extendable code.



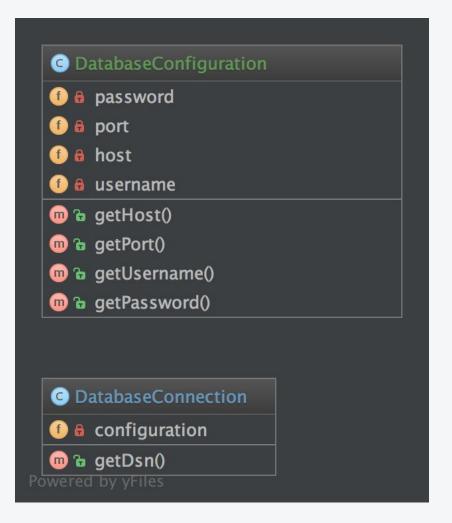








DEPENDENCY INJECTION









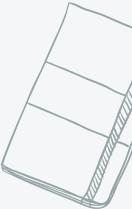






Builder is an interface that build parts of a complex object.











BUILDER













SIMPLE FACTORY

Simple Factory is a simple factory pattern.





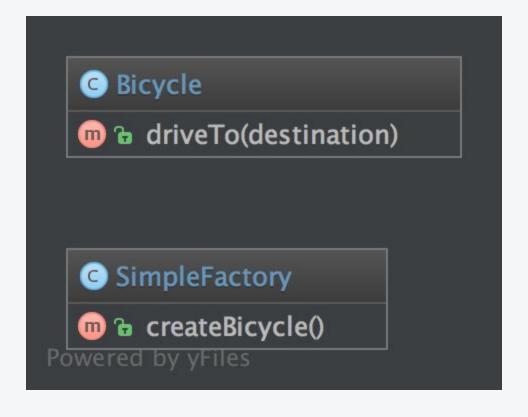






SIMPLE FACTORY













FACTORY METHOD

Define an interface for creating an object, but let subclasses decide which class to instantiate



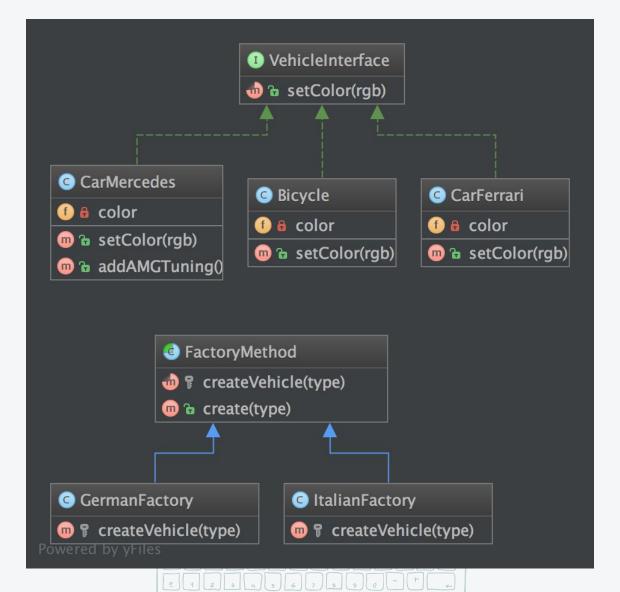








FACTORY METHOD







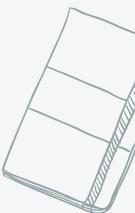




LAZY INITIALIZATION

The lazy initialization pattern is the tactic of delaying the creation of an object, the calculation of a value, or some other expensive process until the first time it is really needed.

















- + FACTORY METHOD
- = SERVICE CONTAINER









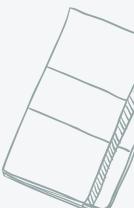




THE SERVICE CONTAINER

The service container allows you to standardize and centralize the way objects are constructed in your application.











SERVICE CONTAINER

```
class Container implements ResettableContainerInterface
protected $services = [];
protected $methodMap = [];
public function get($id)
     if (isset($this->services[$id])) {
         return $this->services[$id];
     $method = $this->methodMap[$id];
     return call user func([$this, $method]);
```





MEDIATOR

The mediator pattern defines an object that encapsulates how a set of objects interact.





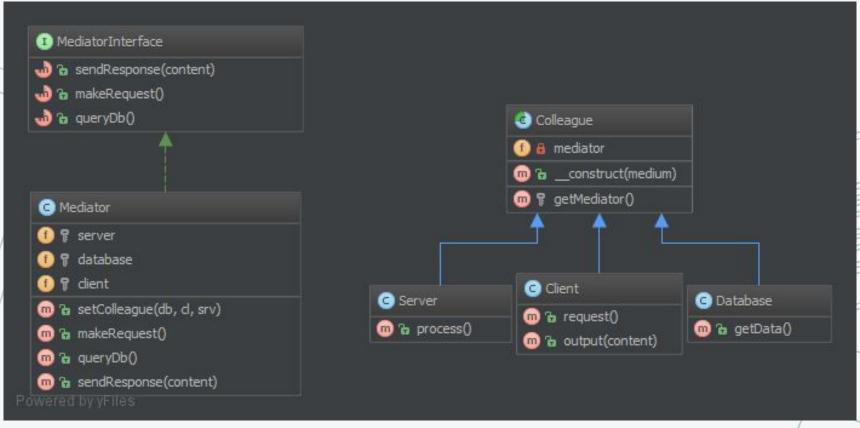






MEDIATOR









FACADE

The primary goal of a Facade Pattern is not to avoid you having to read the manual of a complex API. It's only a side-effect.



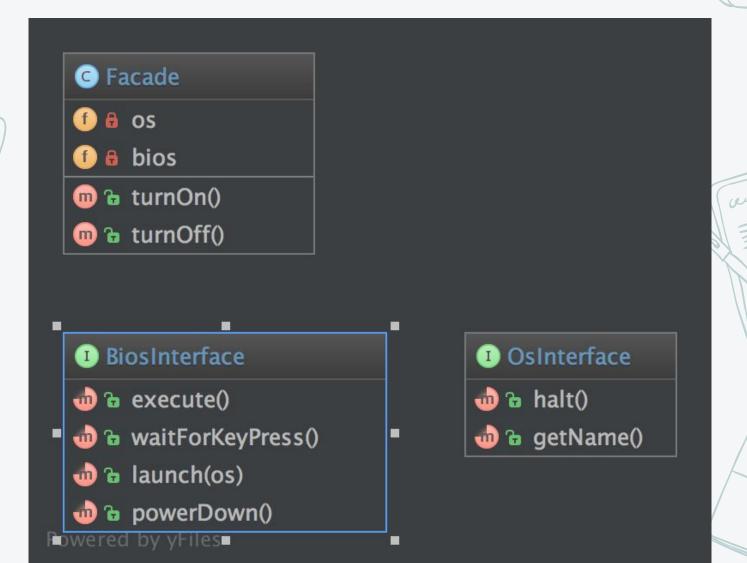








FACADE









QUESTIONS?









