



Working at Qafoo



# We promote high quality code with trainings and consulting http://gafoo.com

- Doctrine Developer
- Symfony Contributor
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# Neglecting Object-Oriented design leads to underengineering



# but focusing soley on Design-Pattern leads to overengineering



# Refactoring

- small changes to internal code structure
- Apply extract method and class again and again
- See Matthias Verraes talk tomorrow, 16:10



### Refactoring and Patterns

Refactoring towards Patterns to avoid both under- and overengineering.



#### Code

http://qa.fo/phpbnl14



### Factory

#### A factory creates an object for you.

- Getting control over object creation
- Most important issue for every code-base
- Actually 4 patterns
  - Factory
  - Factory Method
  - Abstract Factory
  - Builder



#### Facade

A facade provides a simplified interface to a larger body of code.

- Make code reusable (business logic, ..)
- Integrate third party code (libraries)
- Avoid hard dependencies on technical details
- Strongly Related to the Adapter/Bridge patterns



## Strategy/Policy Pattern

Strategy allows to exchange algorithms at run time.

- Object-oriented switch statement
- When calculations are changing frequently
- Or when they change based on state
- Construction of strategies often combined with a factory



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THANK YOU

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