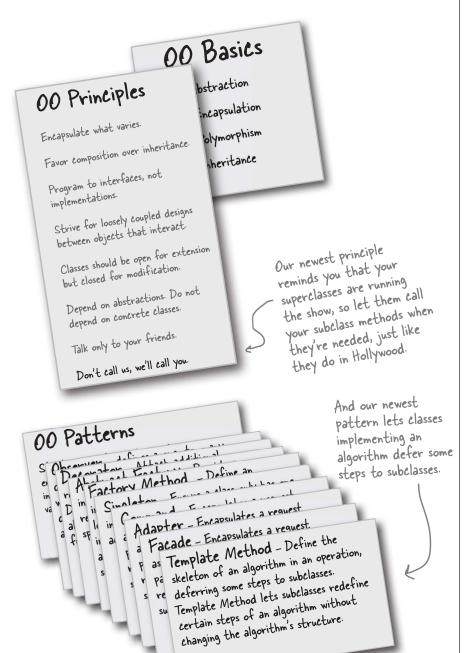


Tools for your Pesign Toolbox

We've added Template Method to your toolbox. With Template Method, you can reuse code like a pro while keeping control of your algorithms.





BULLET POINTS

- A template method defines the steps of an algorithm, deferring to subclasses for the implementation of those steps.
- The Template Method Pattern gives us an important technique for code reuse.
- The template method's abstract class may define concrete methods, abstract methods, and hooks.
- Abstract methods are implemented by subclasses.
- Hooks are methods that do nothing or default behavior in the abstract class, but may be overridden in the subclass.
- To prevent subclasses from changing the algorithm in the template method, declare the template method as final.
- The Hollywood Principle guides us to put decision making in highlevel modules that can decide how and when to call low-level modules.
- You'll see lots of uses of the Template Method Pattern in real-world code, but (as with any pattern) don't expect it all to be designed "by the book."
- The Strategy and Template
 Method Patterns both encapsulate
 algorithms, the first by composition
 and the other by inheritance.
- Factory Method is a specialization of Template Method.