

Chapter 8 : Template method

* The template method defines the steps of an algorithm and allows subclasses to provide implementation for one or more steps.

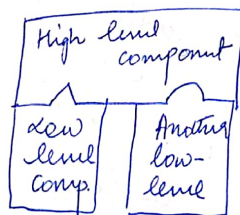
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The Template method pattern defines the skeleton of an algorithm in a method deferring some steps to subclass. It lets subclass redefine certain steps of algorithm without changing algorithm's structure.

* Class diagram (Pg 383)

* Hooks are concrete methods that do nothing by default. It is declared in abstract class but given empty or default implementation.

* Hollywood Principle: Don't call me, I'll call you. It prevents dependency set.



* No dumb questions:

- Sort is a template

- In strategy, class that you compose with implements entire algorithm.

* Applet is a small program that runs in a web page.

* Concrete applets make extensive use of hooks to supply their own behaviours.

* Flexible vs Strategy

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- define outline of algo but let subclass do some work.

- don't duplicate code.
- more efficient, fewer objects.
- superclass is abstract.

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- more flexible because uses object composition.