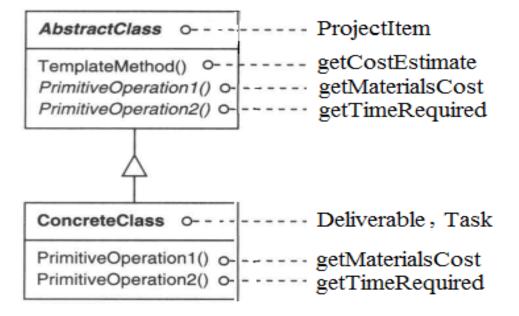


Shouzheng Yang Oct. 17, 2011

FINDER

AJP

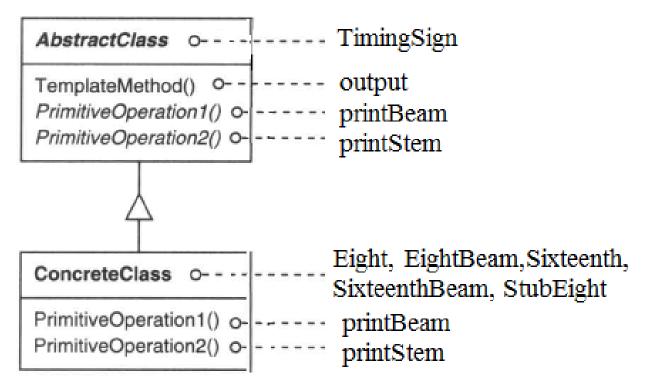
Template Method



FINDER

TAB2PS

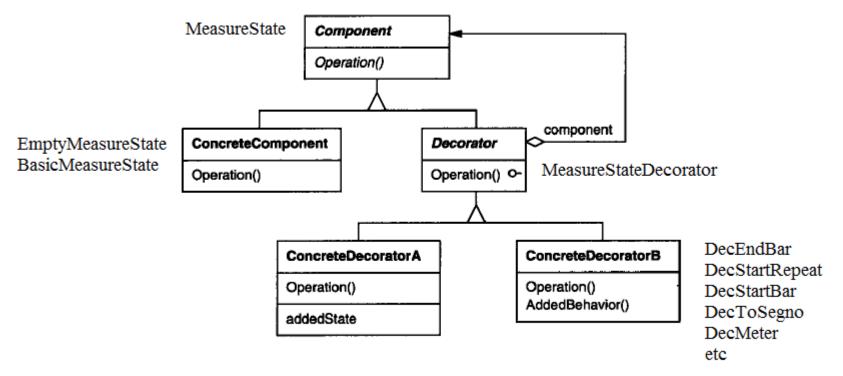
Template Method



FINDER

TAB2PS

Decorator



PINOT

- Process multiple files from different directories in one command.
 - Navigate to source code directory of the system.
 - Type: find `pwd` -name '*.java' > filelist
 - Usage: pinot @filelist
- Solve the "cannot redirection output problem".
 - pinot @filelist >& output

Terms

True Positive, True Negatives, False Positives, and False Negatives

tp	fp
(true positive)	(false positive)
Correct result	Unexpected result
fn	tn
(false negative)	(true negative)
Missing result	Correct absence of result

Terms

• Precision:

Precision

The fraction of detected instances that are accurate.

| {Accurate Instance} ∩ {Detected Instance}|

|{Detected Instance}|

$$Precision = \frac{tp}{tp + fp}$$

=

Recall:

The fraction of accurate instances that are detected.

| {Accurate Instance} ∩ {Detected Instance}|

Recall

{Accurate Instance}

$$\operatorname{Recall} = \frac{tp}{tp + fn}$$

=

Discussion

 Identify true positives, false positives from the results.

Compare results of the three tools.

My Recent Work

General Idea

