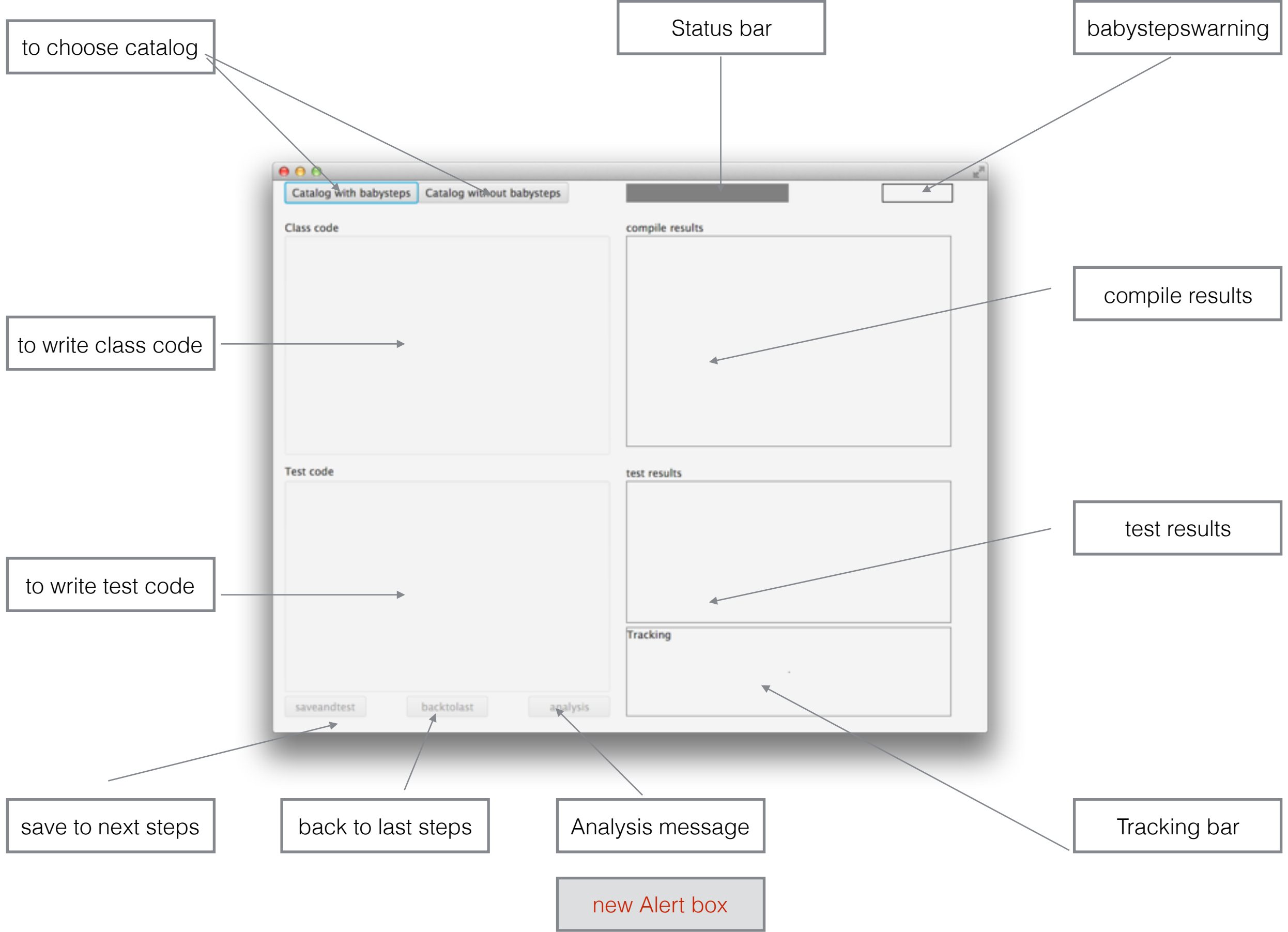# Project07 Beschreibung
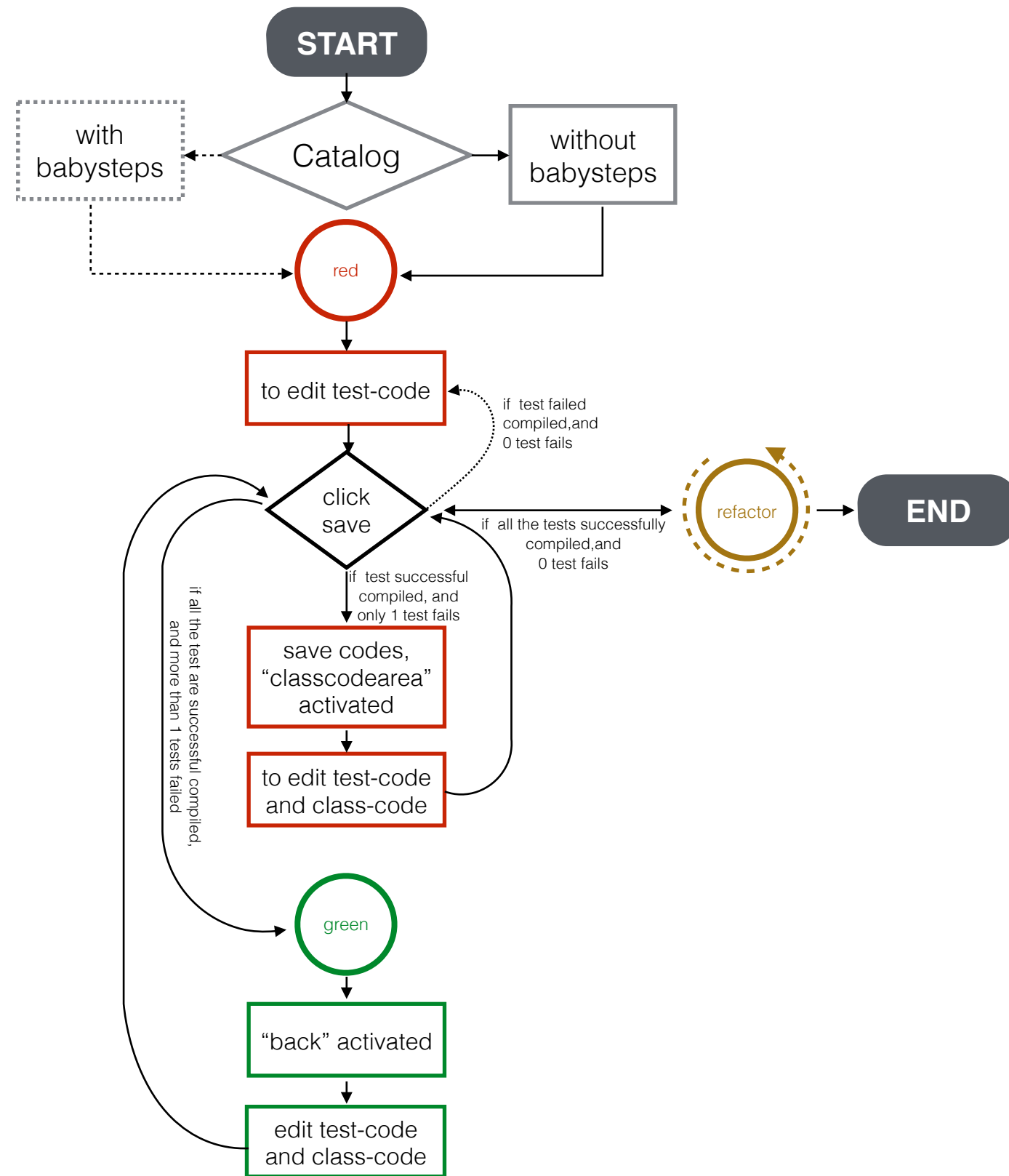
Version 15.07.2016
Liu QiaoXi
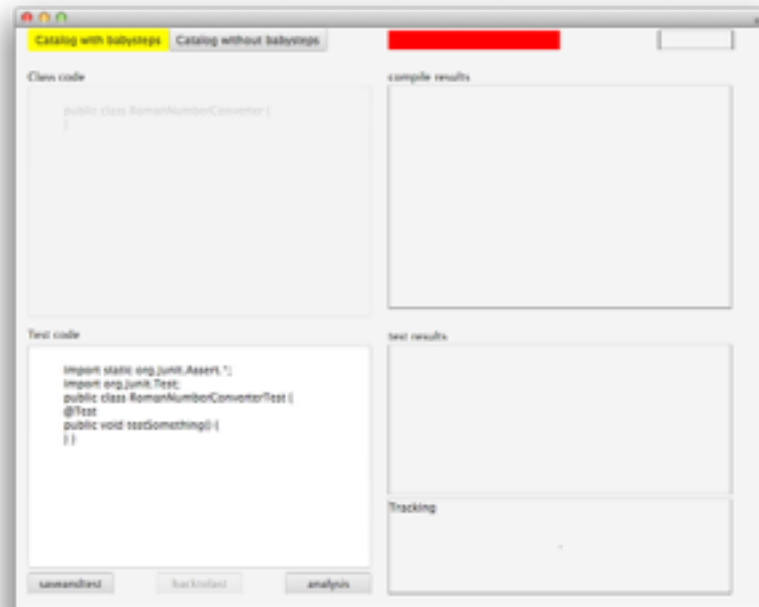
initial GUI

to choose catalog

Status bar

babystepswarning

compile results

to write class code

test results

to write test code

save to next steps

back to last steps

Analysis message

Tracking bar

new Alert box

Catalog with babysteps | Catalog without babysteps

Class code

compile results

Test code

test results

Tracking

saveandtest | backtolast | analysis

Diagramm

START

Catalog

with babysteps

without babysteps

red

to edit test-code

click save

refactor

END

if test failed compiled,and 0 test fails

if all the tests successfully compiled,and 0 test fails

if test successful compiled, and only 1 test fails

save codes, "classcodearea" activated

to edit test-code and class-code

if all the test are successful compiled, and more than 1 tests failed

green

"back" activated

edit test-code and class-code
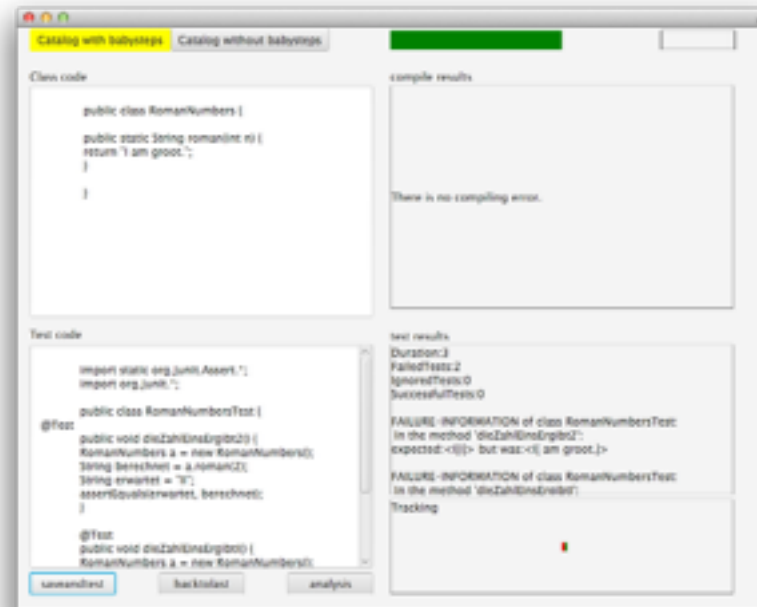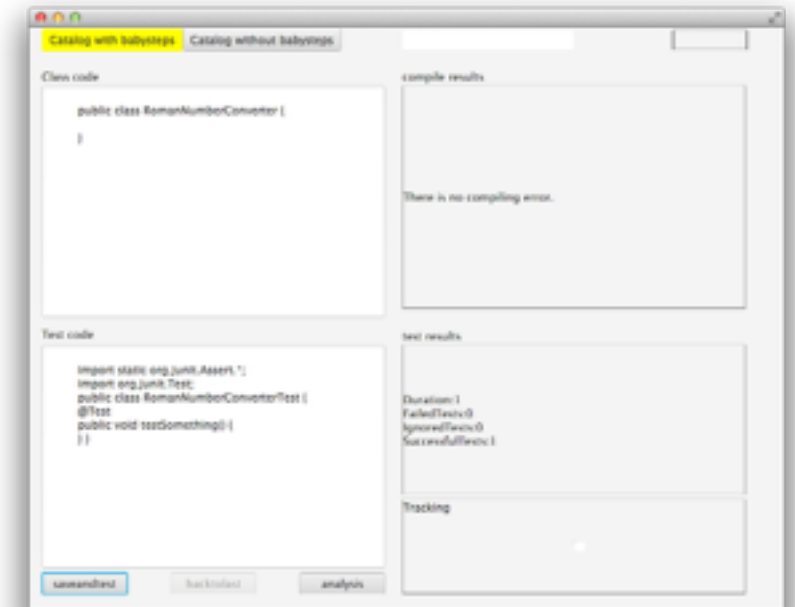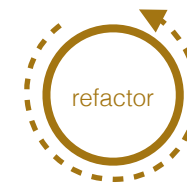
3 status

MyClock(red)
counts the time.as well as the tracking bar shows the length.
if in baby steps mode,there is a time limit.

MyClock(green)
counts the time.as well as the tracking bar shows the length.
if in baby steps mode,there is a time limit.

MyClock(white)
counts the time.as well as the tracking bar shows the length.

Classes and files I/O

MyCompiler

CompliationUnit

MyComplieResults

MyTestResults

common constructors:
String content
String name

MyParseUnit

MyJavaFile

Numnber of failed Tests/
compile failed

MyTracking

MyClock

MyClock

MyClock

exercise_catalog.xml

MyParseUnit

Demo1.java | Demo1Test.java | Demo2.java | Demo2Test.java

MyJavaFile

with/withtout baby steps

CompilationUnit

Demo1.class | Demo1Test.class

MyCompiler.runandtest() → compile results

MyCompiler.runandtest() → test results