

Task 1 Survey (Test Smell Describer)

Improving Developer's Awareness about Test Suite Quality with Test Smell Summaries

* Required

1. Email address *

The second part of our survey consists of two refactoring tasks coupled with a survey. For each task we will provide you with the source code of Apache ofbiz, from which we additionally selected two test classes.

Testing Task 1

a) Your target classes are:

1. org.apache.ofbiz.base.util.string.test.FlexibleStringExpanderTests
2. org.apache.ofbiz.base.util.test.TimeDurationTests

b) Your goal is to improve the test code improving its performance or comprehensibility (e.g., make it smell free or reduce the number of detected smells).

c) Timing: For each test class you have maximum 30 minutes to improve the code.

d) The above classes can be found in the Apache ofbiz project folder in workspace1, at the path mentioned below:

1. ...\\src\\framework\\base\\src\\main\\java\\org\\apache\\ofbiz\\base\\util\\string\\test\\FlexibleStringExpanderTests.java
2. ...\\src\\framework\\base\\src\\main\\java\\org\\apache\\ofbiz\\base\\util\\test\\TimeDurationTests.java

E) The corresponding classes under test are available at the path mentioned below:

1. ...\\src\\framework\\base\\src\\main\\java\\org\\apache\\ofbiz\\base\\util\\string\\FlexibleStringExpander.java
2. ...\\src\\framework\\base\\src\\main\\java\\org\\apache\\ofbiz\\base\\util\\TimeDuration.java

Note: Please use chronometer watch or stopwatch to record the time you have spent for the whole task. Before performing the task and starting the count down you can have a look at the project packages to get more familiar with the source code.

Additional Information to Perform Task 1

Try to improve the code of the mentioned classes and try to make it smell free or reduce the number of smells if it contains more than one smell.

Please do not forget to note down the amount of time that was required by you to complete the task.

Now you are ready to begin the task.

Answer the following questions after the completion of Task 1

2. Do you have previous experience with the project Apache ofbiz? *

Mark only one oval.

	0	1	2	3	4	5	
Low Experience	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Highly Experienced

3. What improvements did you make in the code? *

4. Did the improvements fix the smelly code? *

Mark only one oval.

☐ Yes

☐ No

☐ Maybe

5. How difficult was to perform the task? *

Mark only one oval.

	1	2	3	4	5	
Not Difficult	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very Difficult

6. Do you think some kind of quick help is required to fix the code? *

Mark only one oval.

	1	2	3	4	5	
No Required	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very Much Required

7. Time required to perform the complete task 1,
Report the time in minutes and seconds (e.g.
15 minutes 45 seconds) *

A copy of your responses will be emailed to the address you provided

