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Assignments

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Settings for "Get JUnit Working (2015 Pair Assignment 5)"

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Number of resubmissions allowed	Unlimited
Accept Resubmission Until	Nov 19, 2015 11:55 pm
Grade	Points (max 1.0)
Alert:	Yes
Honor pledge:	No

Assignment Instructions

Get together with the other member of your pair.

Create a toy application using the Play framework that requires input and produces output. One example would be a trivial calculator that only adds pairs of integers between 1 and 10. It prompts the user for the two inputs and then displays the sum of those two inputs to the user.

Use JUnit to test your toy application, with at least three tests. One of the test cases should test the happy path and the other two test cases should test alternative flows with two different error conditions. For example, for the toy calculator, one test case could run your application with appropriate inputs, both between 1 and 10, and check the result is indeed the sum and indeed displayed to the user. The second test case could run your application with one appropriate input and one inappropriate integer input. An inappropriate integer input might be less than 1 or greater than 10. The test could then check that the toy application produces an appropriate response to the user. The third test case could run the toy calculator with one appropriate input and one inappropriate input that is not an integer, e.g., the string "hello world" or the float "3.14159", and check for an appropriate response to the user. Raising an exception, crashing, hanging, 404 not found, 500 internal server error, etc. are not appropriate responses.

Submit on courseworks (per pair) a statement stating that you were successfully able to use JUnit together with Play. All you need to submit is a plain text file with your names and unis in it plus the statement. If you do not know what to do or how to do it, both members of your pair should go together to visit any of the IAs for help, and then resubmit up to a week later. You do not need to resubmit if you think you got it right the first time.

How do we know when we're done? When you are confident that you will be able to use JUnit to run a regression test suite that rigorously tests your team projects, which will be the next assignment after your project demos.

Student view of the assignment "Get JUnit Working (2015 Pair Assignment 5)"