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## INSTRUCTIONS

# JUnit and IDEs

## Purpose

This appendix will demonstrate IDE features for JUnit test support in STS/Eclipse and IntelliJ IDEA.

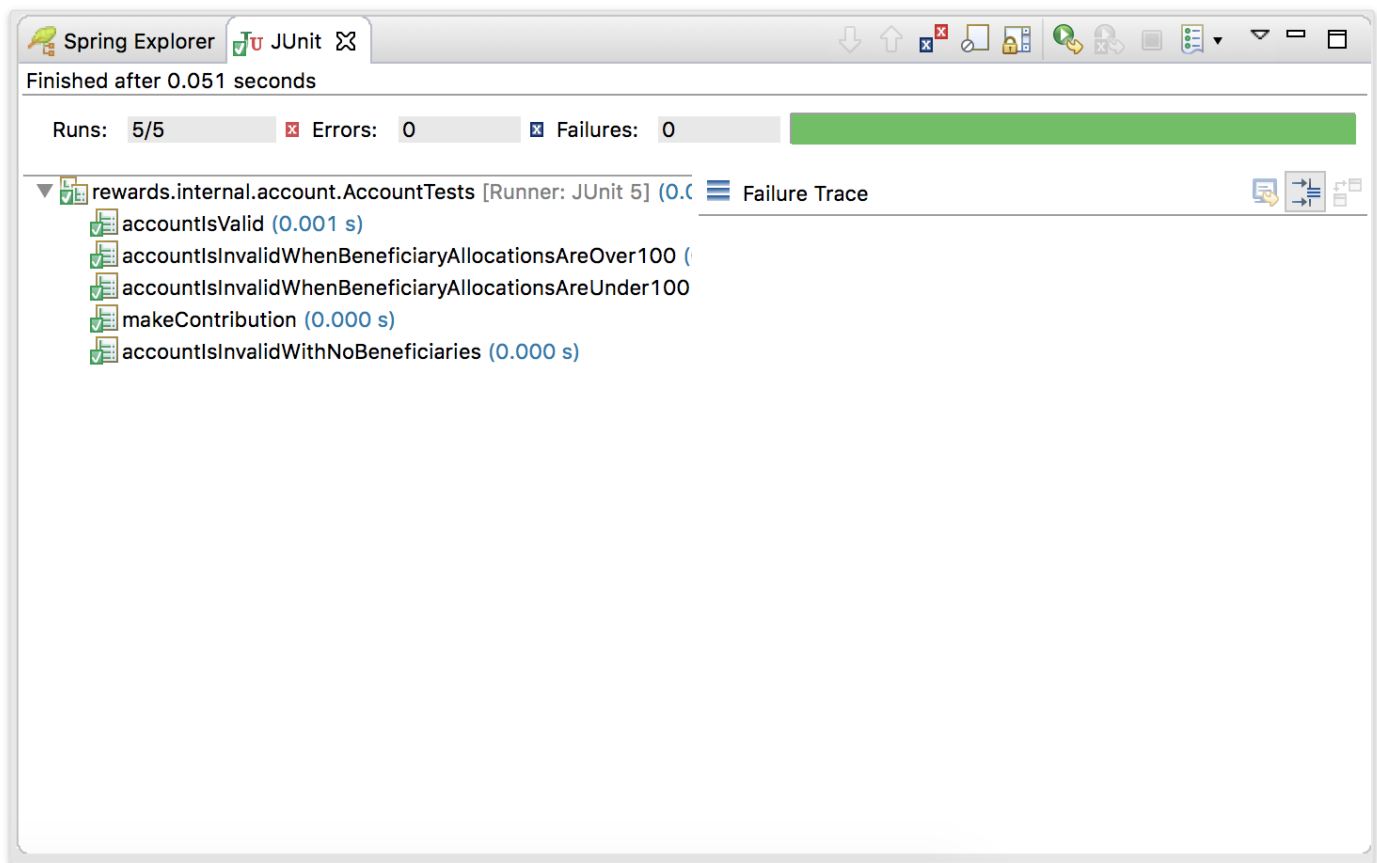
## Run a JUnit Test from IDE

### STS or Eclipse

From the test class editor, or when selecting the test class in the project tree view, you may use either of the following:

- Right-click on the test class name, select *Run As >> JUnit Test*.
- Use keyboard shortcut `Opt-Cmd-X,T` on Mac OSX, or `Alt+Shift+X,T` on Linux or Windows.

Eclipse will render visual tool window showing the status of your test execution. You may expand the test case node for details:

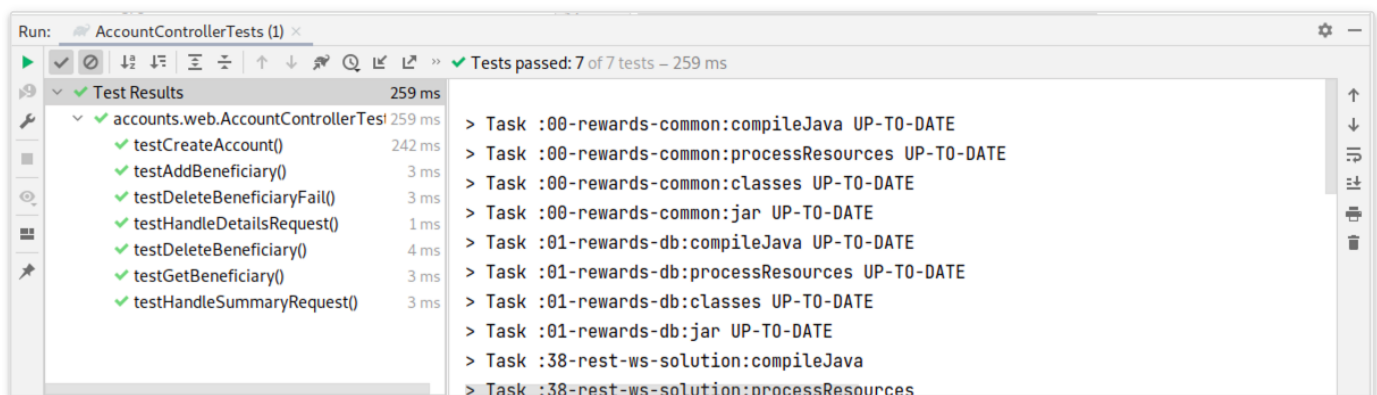


## IDEA IntelliJ

From the test class editor, or when selecting the test class in the project tree view, you may use either of the following:

- Right-click on the test class name, select `*Run <TestName>`.
- Use keyboard shortcut `Ctrl-Shift-R` on Mac OSX, or `Ctrl+Shift+R` on Linux or Windows.

IntelliJ will render visual tool window showing the status of your test execution:



## Generate a Test from your IDE

If you want to generate your junit tests from existing production classes, both STS (Eclipse) and IntelliJ support the test class generation.

## STS (or Eclipse)

- Right click on the class under test in the tree view.
- Select *New >> JUnit Test Case* menu option.
- Follow the dialogs to:
  - Select a boiler plate for any of the method stubs.
  - Select a list of methods from the class under test that you may want to build tests for.
- Keep in mind you must implement the production code to make the tests pass.

## IntelliJ

Check out IntelliJ [Create Tests](#) article.