

Java JUnit for Unit Testing

SETUP JUNIT TEST CLASSES

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Steps to Setup JUnit Classes and Run

- 1. Prepare Classes**
- 2. Create Test Classes**
- 3. Create Test Methods**
4. Run Tests
5. Interpreting Test Results



Prepare Classes

Business as usual.

Noting special.

Only one thing to take notice of: make sure the methods in the DUT (class under test CUT) are good enough to perform all of the tests based on the test plan. (Design for Testability issue)



Create JUnit Test Class and Manually Creating Test Methods



Go BlueJ!!!



Creating Testing Methods By Recording

Try ad hoc Testing before recording.

Use Create Test Method to record the tests.

1. Create a student object
2. Call the setName() method
3. Call the getName() method. After this a result dialog will be shown
4. Use the result dialog to specify assertions on the result.
5. Click “End” to finish the test recording.
6. Click “Cancel” to discard the recording