**Familiarity Review**

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**Coding Topic:** **JUnitTest**

**Description of Understanding:** When we talk about the Junit test, it simply means a regression testing framework that is used to implement units testing in Java. This can as well help make programming much easy and faster with clean and quality code.

You can integrate a Framework with **Ant**, **Eclipse** and **Maven**

With JUnitTest, you have this available option to use:

* **Fixtures -** A test **fixture** is a fixed state of a set of objects used as a baseline for running tests. The purpose of a test **fixture** is to ensure that there is a well-known and fixed environment in which tests are run so that results are repeatable.
* **JUnit classes –** JUnit classes are important classes, used in writing and testing JUnits. Some of the important classes are −

**Assert** − Contains a set of assert methods.

**TestCase** − Contains a test case that defines the fixture to run multiple tests.

**TestResult** − Contains methods to collect the results of executing a test case.

* **Test runners -** Test runner is used for executing the test cases. Here is an example that assumes the test class **TestJunit** already exists.
* **Test suites -** A test suite bundles a few unit test cases and runs them together. In JUnit, both @RunWith and @Suite annotation are used to run the suite test.

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| **File** | **Git Link** |
| **J**UnitTests | <https://github.com/nkenta/cit360/tree/master/junit_test> |

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| **What should I be looking for?** | **Sandbox or Your code?** |
| Here I have a code to test series of program and determine if it works. There is a use of Boolen value to check if the requirement is true or false. As well a series of Hash-map that adds value into a variable.In all this test different scenario of program and displays its result respectively.  You will find the main code in RunJUnits.java | Mine |