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**Date:** November 23, 2019

**Coding Topic:** JUnit Tests

**Description of Understanding:** this allows testing to be done in line, and in groups by doing a suite of tests, see file for more detailed examples

Video: https://youtu.be/27mH-kHoUH8

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| **File** | **Git Link** | **What should I be looking for?** | **Sandbox or Your code?** |
| AllTests.java | **https://github.com/ireland-isaac/isaac-ireland.github.io/blob/master/familiarity%20review/JUnit/JunitTest/src/testing/AllTests.java** | Aggregation of all the tests | Sandbox |
| JUnit5AssertArrayEqualsDemo.java | **https://github.com/ireland-isaac/isaac-ireland.github.io/blob/master/familiarity%20review/JUnit/JunitTest/src/testing/JUnit5AssertArrayEqualsDemo.java** | An Assert equals | Sandbox |
| JUnit5AssertNotSameExample.java | **https://github.com/ireland-isaac/isaac-ireland.github.io/blob/master/familiarity%20review/JUnit/JunitTest/src/testing/JUnit5AssertNotSameExample.java** | AssertNotSame | Sandbox |
| JUnit5AssertTrueExample.java | **https://github.com/ireland-isaac/isaac-ireland.github.io/blob/master/familiarity%20review/JUnit/JunitTest/src/testing/JUnit5AssertTrueExample.java** | AssertTrue | Sandbox |
| JUnitTesting.java | **https://github.com/ireland-isaac/isaac-ireland.github.io/blob/master/familiarity%20review/JUnit/JunitTest/src/testing/JUnitTesting.java** | Next 2 tests are based upon this process | Sandbox |
| SquareTest.java | **https://github.com/ireland-isaac/isaac-ireland.github.io/blob/master/familiarity%20review/JUnit/JunitTest/src/testing/SquareTest.java** | Assert Equals | Sandbox |
| countATest.java | **https://github.com/ireland-isaac/isaac-ireland.github.io/blob/master/familiarity%20review/JUnit/JunitTest/src/testing/**countATest.java | Assert Equals | Sandbox |
| junitTests.docx | **https://github.com/ireland-isaac/isaac-ireland.github.io/blob/master/familiarity%20review/JUnit/junitTests.docx** | Write up of notes, some me, some other students forum posts |  |

**Coding Topic:** MVC

**Description of Understanding:** MVC separates duties of a program, this facilitates sanitizing the information that is going to or from the system, minimizing attack surface. It also helps separate duties of programmers.

**Video:** https://youtu.be/wPerseZF4Dg

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| **File** | **Git Link** | **What should I be looking for?** | **Sandbox or Your code?** |
| Model.java | [**https://github.com/ireland-isaac/isaac-ireland.github.io/blob/master/familiarity%20review/MVC/Model.java**](https://github.com/ireland-isaac/isaac-ireland.github.io/blob/master/familiarity%20review/MVC/Model.java) | Model | Sandbox |
| View.java | [**https://github.com/ireland-isaac/isaac-ireland.github.io/blob/master/familiarity%20review/MVC/View.java**](https://github.com/ireland-isaac/isaac-ireland.github.io/blob/master/familiarity%20review/MVC/View.java) | View | Sandbox |
| Controller.java | [**https://github.com/ireland-isaac/isaac-ireland.github.io/blob/master/familiarity%20review/MVC/Controller.java**](https://github.com/ireland-isaac/isaac-ireland.github.io/blob/master/familiarity%20review/MVC/Controller.java) | Controller | Sandbox |
| RunMVC.jar | **https://github.com/ireland-isaac/isaac-ireland.github.io/blob/master/familiarity%20review/MVC/** | Program to run it all | Sandbox |
| MVC.docx | **https://github.com/ireland-isaac/isaac-ireland.github.io/blob/master/familiarity%20review/MVC/MVC.docx** | Notes of what MVC is |  |

**Coding Topic:** Java Collections

**Description of Understanding:**

**Related to Use case diagrams and documents:**

**Starting at:**

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| **File** | **Git Link** | **What should I be looking for?** | **Sandbox or Your code?** |
| javaCollections.docx | **https://github.com/ireland-isaac/isaac-ireland.github.io/blob/master/familiarity%20review/Java%20Collection/javaCollections.docx** | Details of what I know | My own creation |
| hashMap.java | **https://github.com/ireland-isaac/isaac-ireland.github.io/blob/master/familiarity%20review/Java%20Collection/hashMap.java** | Example of hashMap | Code from beginnersbook.com, I played with a little |
| TreeExample.java | **https://github.com/ireland-isaac/isaac-ireland.github.io/blob/master/familiarity%20review/Java%20Collection/TreeExample.java** | Example of tree collection | <https://www.tutorialspoint.com>, played with a little, see comments |
| Collection.java | **https://github.com/ireland-isaac/isaac-ireland.github.io/blob/master/familiarity%20review/Java%20Collection/Collection.java** | Example of collction, array, add and remove | Team Member’s that I played with |
| HashSet1.java | **https://github.com/ireland-isaac/isaac-ireland.github.io/blob/master/familiarity%20review/Java%20Collection/HashSet1.java** | Show and prints set function | From javatpoint.com |

**Coding Topic:** App controller Patterns

**Description of Understanding:** Way of managing user interface.

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| **File** | **Git Link** | **What should I be looking for?** | **Sandbox or Your code?** |
| App controller patterns | **https://github.com/ireland-isaac/isaac-ireland.github.io/tree/master/familiarity%20review/AppControlerPatterns/App%20controller%20patterns.docx** | Short write up of what I know, this one is short |  |
| Folder for package | **https://github.com/ireland-isaac/isaac-ireland.github.io/tree/master/familiarity%20review/AppControlerPatterns/appcontroldemo/** | Master folder of what files I have | Augmented from Ray Christian/David Banks |
| CreedReview.java  PeanutsReview.java  SpectreReview.java | **https://github.com/ireland-isaac/isaac-ireland.github.io/tree/master/familiarity%20review/AppControlerPatterns/appcontroldemo/** | Views of reviews | Augmented from Ray Christian/David Banks |
| Dispatcher.java | **https://github.com/ireland-isaac/isaac-ireland.github.io/tree/master/familiarity%20review/AppControlerPatterns/appcontroldemo/**AppControlDemo.java | Manages the imput and selects the reviews to display | Augmented from Ray Christian/David Banks |
| AppControlDemo.java | **https://github.com/ireland-isaac/isaac-ireland.github.io/tree/master/familiarity%20review/AppControlerPatterns/appcontroldemo/**AppControlDemo.java | manager | My creation |