**Coding Topic:** sequence diagrams

**Description of Understanding:**

**Starting at:**

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| **File** | **Git Link** | **What should I be looking for?** | **Sandbox or Your code?** |
| SequenceDiagramChess.pdf | **https://github.com/ireland-isaac/isaac-ireland.github.io/blob/master/familiarity%20review/StateDiagrams/SequenceDiagramChess.pdf** | Example of Sequence diagram | My creation |
| Sequence diagram.docx | **https://github.com/ireland-isaac/isaac-ireland.github.io/blob/master/familiarity%20review/StateDiagrams/sequance%20diagram.docx** | Notes, this is combined with tateDiagrams, but it’s there |  |

**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:** 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:** JSON

**Description of Understanding:** see JSON.docx

This is a resubmit, I have repaired the links, let me know if you still have problems, I will zip the folder and email it to you

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| **File** | **Git Link** | **What should I be looking for?** | **Sandbox or Your code?** |
| JSON.docx | https://github.com/ireland-isaac/isaac-ireland.github.io/blob/master/**familiarity%20review/**JSON/JSON.docx | Description of knowledge |  |
| JSONExercise.java | https://github.com/ireland-isaac/isaac-ireland.github.io/blob/master/**familiarity%20review/**JSON/JSONexercise.java | Simple java program to create JSON string | sandbox |
| JSONExercise1.java | https://github.com/ireland-isaac/isaac-ireland.github.io/blob/master/**familiarity%20review/**JSON/JSONExercise1.java | Creates a JSON array | sandbox |
| Heros.html | https://github.com/ireland-isaac/isaac-ireland.github.io/blob/master/**familiarity%20review/**JSON/heros.html | JSON used in HTML application. | Made for CIT230 class. |
| JSONRead.java | https://github.com/ireland-isaac/isaac-ireland.github.io/blob/master/**familiarity%20review/**JSON/JSONRead.java | Example of creating json and reading it | Sandbox |

**Coding Topic:** System Level Test

**Description of Understanding:** This is a testing of a system to make sure the system is working as desired, testing things like front-end and back-end. This is a resubmit, I have made the AmazonTest.xlsx more repeatable and accurate to the video as you requested

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| **File** | **Git Link** | **What should I be looking for?** | **Sandbox or Your code?** |
| AmazonTest.xlsx | **https://github.com/ireland-isaac/isaac-ireland.github.io/blob/master/familiarity%20review/SystemLevelTests/AmazonTest.xlsx** | List of tests on System | Self-made chart, based upon book |
| Zoom\_0.mp4 | **https://github.com/ireland-isaac/isaac-ireland.github.io/blob/master/familiarity%20review/SystemLevelTests/zoom\_0.mp4** | Video of me working through the Excell | Video |

**Coding Topic:**

**Description of Understanding:**

**Teaching Video:**

**Starting at:**

**Also Integrated with:**

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| --- | --- | --- | --- |
| **File** | **Git Link** | **What should I be looking for?** | **Sandbox or Your code?** |
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