**Familiarity Review Template**

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**Date:** December 19th, 2018

**Week:** 14

**Coding Topic:** Threads, Executables, runnables

**Description of Understanding:** This seems like a useful tool in helping make use of modern CPUs and also is handling the many threads that can be needed when many users are accessing the same interface.

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| --- | --- | --- | --- |
| **File** | **Git Link** | **What should I be looking for?** | **Sandbox or Your code?** |
| Multithread.java | https://github.com/ireland-isaac/isaac-ireland.github.io/blob/master/familiarity%20review/threading/Multithread.java | Showing threading | Geeksforgeeks.com, sandboxed |
| ThreadA.java | https://github.com/ireland-isaac/isaac-ireland.github.io/blob/master/familiarity%20review/threading/threadA.java | Further manipulation of threading | By implementing/ geeksforgeeks.com |
| Threadsless.java | https://github.com/ireland-isaac/isaac-ireland.github.io/blob/master/familiarity%20review/threading/threadless.java | There is a timer on this, it shows 21 mil (threadA does it in 5) | Sandboxed, don’t know site |
| Thread-executables.runnables.docx | https://github.com/ireland-isaac/isaac-ireland.github.io/blob/master/familiarity%20review/threading/thread-executables-runnables.docx | An explanation of what I understand and can do | My write up |
| SimpleTreadPool.java | https://github.com/ireland-isaac/isaac-ireland.github.io/blob/master/familiarity%20review/threading/SimpleTreadPool.java | Shows extending threading | Sandboxed, geeks for geeks.com |

**Coding Topic:** UseCase Documents

**Description of Understanding:**

**Starting at:**

|  |  |  |  |
| --- | --- | --- | --- |
| **File** | **Git Link** | **What should I be looking for?** | **Sandbox or Your code?** |
| UseCaseDocument.docx | **https://github.com/ireland-isaac/isaac-ireland.github.io/blob/master/familiarity%20review/UseCase/UseCaseDocument.docx** |  |  |
| HelloWorldServlet.java | **https://github.com/ireland-isaac/isaac-ireland.github.io/tree/master/familiarity%20review/Servlets/netbeansCode/HelloWorldServlet** | This should pull simple website that has can be dynamic | Sandbox + my site |

**Coding Topic:** JSON

**Description of Understanding:**

|  |  |  |  |
| --- | --- | --- | --- |
| **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/JSON/JSON.docx | Description of knowldge |  |
| JSONExercise.java | https://github.com/ireland-isaac/isaac-ireland.github.io/blob/master/JSON/JSONexercise.java | Simple java program to create JSON string | sandbox |
| JSONExercise1.java | https://github.com/ireland-isaac/isaac-ireland.github.io/blob/master/JSON/JSONExercise1.java | Creates a JSON array | sandbox |
| Heros.html | https://github.com/ireland-isaac/isaac-ireland.github.io/blob/master/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/JSON/JSONRead.java | Example of creating json and reading it | Sandbox |

**Coding Topic:** UML State Diagrams and Sequence Diagrams

**Description of Understanding:**

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

**Starting at:**

|  |  |  |  |
| --- | --- | --- | --- |
| **File** | **Git Link** | **What should I be looking for?** | **Sandbox or Your code?** |
| Folder is of another section that covers many principals | **https://github.com/ireland-isaac/isaac-ireland.github.io/tree/master/familiarity%20review/UseCase** | I treated the State/sequence diagrams as an extension of this folder |  |
| UML state Diagrams.docx | **https://github.com/ireland-isaac/isaac-ireland.github.io/blob/master/familiarity%20review/StateDiagrams/UML%20state%20Diagrams.docx** | Details of what I know | My own creation |
| StateDiagramIcecream.pdf | **https://github.com/ireland-isaac/isaac-ireland.github.io/blob/master/familiarity%20review/StateDiagrams/StateDiagramIcecream.pdf** | Example of state diagram | My creation |
| StateDiagramCarStarting.pdf | **https://github.com/ireland-isaac/isaac-ireland.github.io/blob/master/familiarity%20review/StateDiagrams/StateDiagramCarStarting.pdf** | Example of State Diagram | My creation |
| SequenceDiagramChess.pdf | **https://github.com/ireland-isaac/isaac-ireland.github.io/blob/master/familiarity%20review/StateDiagrams/SequenceDiagramChess.pdf** | Example of Sequence diagram | My creation |

**Coding Topic:** Java Collections

**Description of Understanding:**

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

**Starting at:**

|  |  |  |  |
| --- | --- | --- | --- |
| **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 |