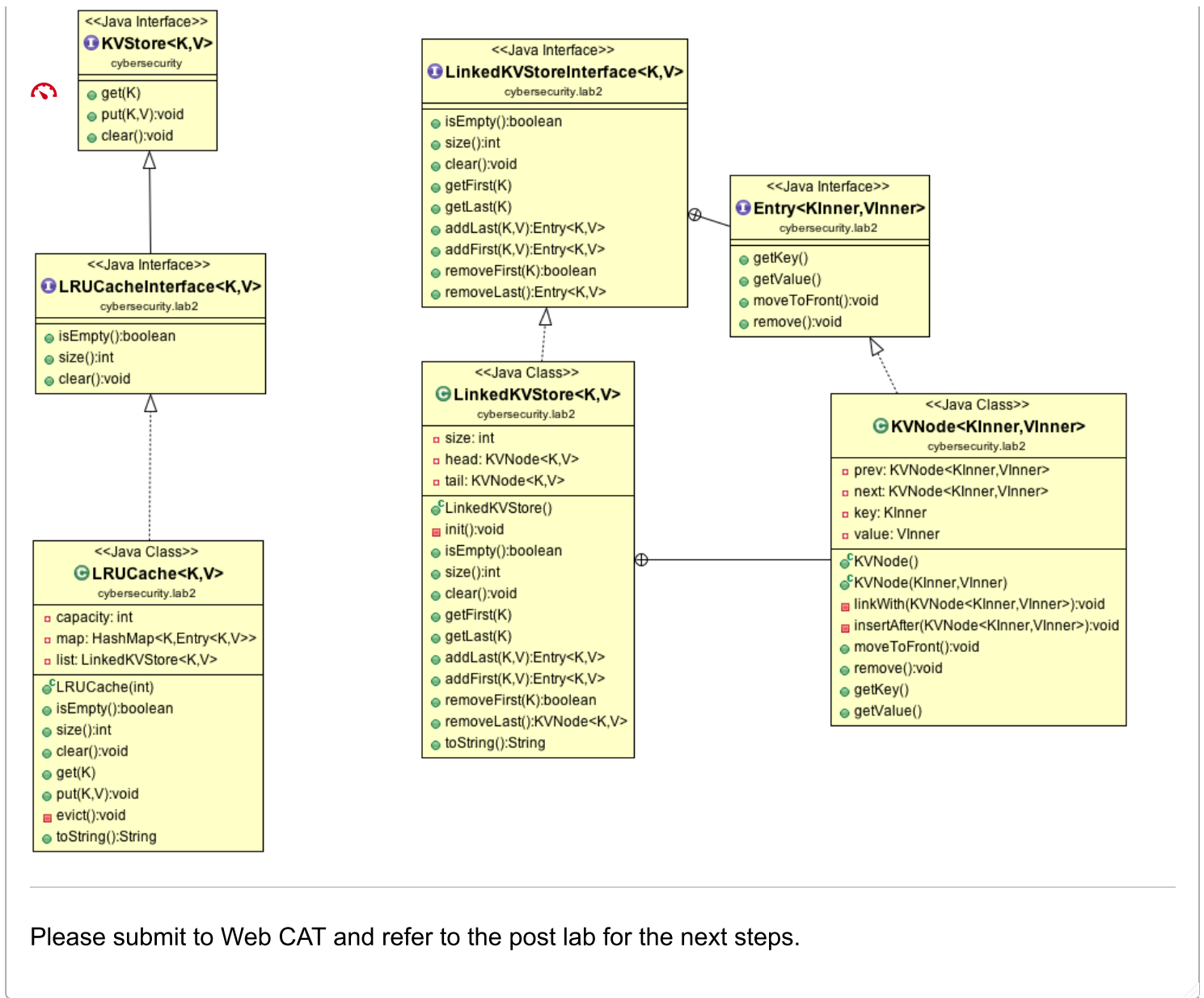# Lab 12 Cybersecurity02

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Instructions:

Study the UML diagram below for the Least Recently Used (LRU) Cache you will be implementing. Download the skeleton: **CS2114 Spring2017Lab12CyberSecurity02_20170411.zip** 📄. Study the code, use the javadocs to help you finish the implementation. **You are already given test classes** so you can test the code as you work through first the LinkedKVStore.java, then LRUCache.java. You need to implement all the methods in LinkedKVStore.java and LRUCache.java to compile those.

At first, start working on LinkedKVStore class. For this class, you have to implement moveToFront(), getKey(), and getValue() methods of the inner class KVNode. You also need to implement removeLast() method of LinkedKVStore class. After finishing all these methods, run the given test cases in LinkedKVStoreTest and make sure all the test cases are passing.

Then start working on LRUCache class. Read the javadocs and finish isEmpty(), size(), clear(), get(), put(), and evict() method accordingly. Run the given test cases in LRUCacheTest and make sure all of the test cases are passing.

Please submit to Web CAT and refer to the post lab for the next steps.

Points	100
Submitting	Nothing

Due	For	Available from	Until
-	Everyone	-	-

+ **Rubric**