

ECE419 M1 Report

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1 Design and Decisions

Architecture Refer to Figure 1 in the Appendices for an architecture diagram.

KVClient

KVStore

KVServer

CommMod

TLVMessage

LRUCache

LFUCache

FIFOCache

LockManager

FilePerKeyKVDB

2 Performance Evaluation

3 Test Cases

3.1 CacheTests

3.2 CommModTests

3.3 ConnectionTest

3.4 InteractionTest

3.5 KVDBTests

3.6 LockManagerTest

3.7 SocketTest

3.8 StoreServerTests

3.9 TLVMessageTest

4 Appendices

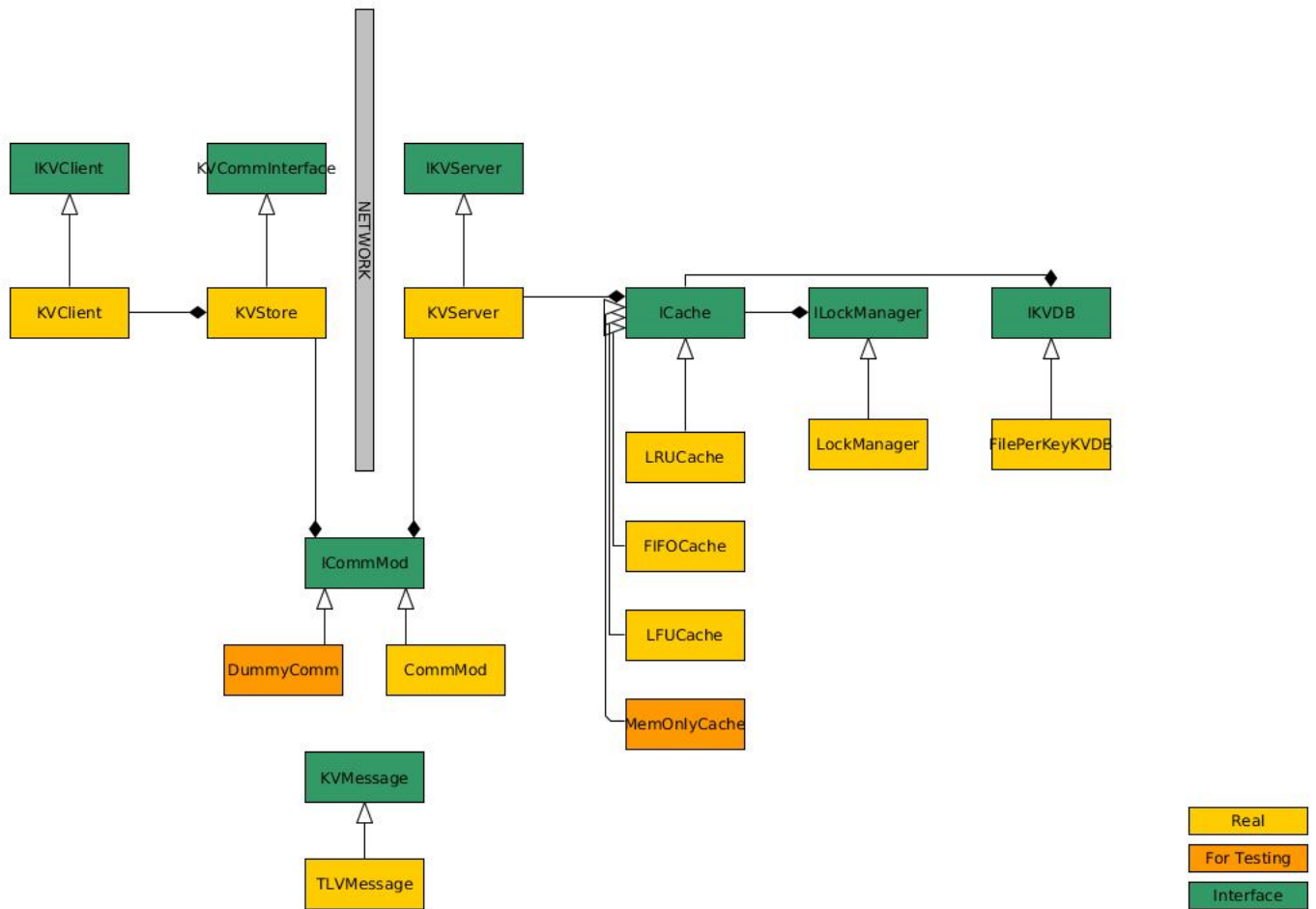


Figure 1: Architecture Diagram