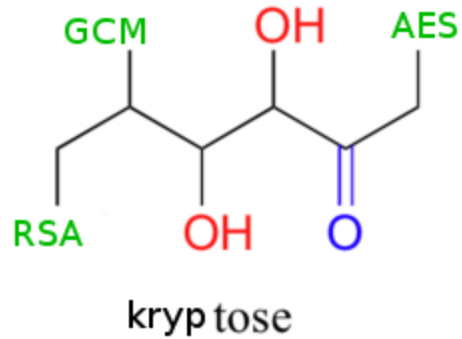


# Kryptose™

Assurance Document: Beta



**Personnel:** Jonathan Shi (js2845), Antonio Marcedone (am2623), Alexander Guziel (asg252), Jeff Tian (yt336)

We wrote thorough automated JUnit tests for several parts of our system, including the new user authentication table, and the new tamper-proofed logging, and the client-side password file, and parts of the server SSL socket connection handler.

Regression testing was run on these unit tests whenever further changes were made to any of the code that they tested.

We manually verified that user stories worked as expected from the client, with a server running on localhost. This included testing every command, and combinations of commands that interact with each other, as well as testing access to the same server from different client sessions. It also involved testing invalid commands.

We often reviewed each others' code especially when testing and when updating code that someone else wrote. We should consider more disciplined review.

We checked the FindBugs scan and fixed any serious errors.

We employed thorough logging of unexpected conditions in the code, and used this to find errors that might not otherwise have been noticed.