Activity Breakdown (primary activities, hours spent)

Each member of your team should contribute a short description (no longer than a paragraph) of his or her primary activities during this sprint, including an estimate of how many hours he or she worked. (Don't be afraid of reporting numbers that seem low. Your grade will not be affected by this number. We promise.) Each member should also assess whether these activities were a valuable use of time. If not, what could he or she have been doing instead?

Brandon:

I mainly worked on rewriting the readme as well as performing assurance on the security features which mainly include the encryption methods. Unit testing and integration testing methods were deployed to ensure that all methods were working correctly and as intended. It was a good use of time to check that our product is working correctly. I spent around 15-20 hours.

Louise:

I mainly worked on authorisation and implementing more features. I worked on the client GUI, the client-to-server communication and the server-to-client communication. Together with Ruixin, I worked on defining and implementing the protocol for the new features as well as defenses against spoofing attacks. I also completely restructured the whole project to work within Maven conventions so that we could produce 4 different jar files, 3 of which are executable (Server Setup, Server, Client). I also worked with Ruixin to determine our goals for this sprint and break it down into very small tasks.

It was an extremely good use of my time except for all the hilariously stupid bugs we made. I spent about 30 hours.

Ruixin:

I mainly worked on audit by updating the log to store more information such as the IP address and reasons for failure. All log files can now also be downloaded by an admin. I also implemented the rate limiting of failed logins by the source IP address and by username. Together with Louise, we implemented the granting and revoking of privileges, along with privilege propagation down a folder.

Generally a good use of time, a lot of minor bugs and details to juggle which made debugging very annoying. Time spent about 30 hours.

Zilong:

I mainly worked on manual testing of the database to ensure that the actions of a user (creating folder, uploading files etc.) and logging of actions (user successfully logged in at time xxx etc.) are correctly logged into the database tables. I originally planned to automate it via unit and integration testing, but OS level security issues for Windows 8.1 for MySQL proved to be difficult and unproductive to tackle for this sprint.

Deliverables wise, not a good use of time, but I now have a clear idea on what the structure of my test would be for the next sprint. Time spent ~25 hours

Productivity Analysis

Compare the plan for your sprint to what really happened. Did you do what you planned, or did you do something else? Did all of your chosen system backlog items get finished? What took more time than you expected? What took less time than you expected? Most importantly, how will you change the way you work in future sprints?

Generally very good use of time. Features that we decided to implement for this sprint (mainly logging) are up and running. Testing is more or less on track, though SQL side is more troublesome, as it requires interacting with a 3rd party program. We did not implement any of our reach goals (like 2 factor authentication) but we feel that the .

-Renaming was a bit easier than expected, since we had a good foundation from last milestone
-Logging was very complicated as we kept additional fields that was useful to defenders aka the admin
-Propagation of privileges was a lot more complicated with a lot of bugs
-Running on Command Line (via maven compilation) was different from IDE which wasted time