

sdmay19-23: Mobile, Biometric Bitlocker

Week 5 Report

February 18 – February 25

Team Members

Larisa Thys — *Scrum Master*

Morgan Anderson — *Scribe*

Cole Alward — *Stroyboard Master*

Justin Kuhn — *Test Engineer*

Ammar Khan — *Product Owner*

Yousef Al Absi — *DevOps Engineer*

Summary of Progress this Report

We worked on authentication, encryption and solving and updating the PUF.

Pending Issues

Issue 38 - Fix Make Files

Assigned to: Yousef Al Absi

Plans for Upcoming Reporting Period

Issue 46 - Fix Makefiles for lib

Assigned to: Yousef Al Absi

Issue 33 - Encrypt files using PUF encryption

Assigned to: Cole Alward

Issue 40 - Create Key Generation Method

Assigned to: Morgan Anderson

Issue 26 - Change Puf drawing method

Assigned to: Larisa Thys

Issue 30 - Re-write ResponseGen for authentication

Assigned to: Ammar Khan

Issue 43 - Re-wrtie Util.py to Java for authentication

Assigned to: Justin Kuhn

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Larisa Thys	I have worked on trying to re-integrate the authentication within the application. I have not been able to get the puf draw method to work, so I have also been fixing that.	5	94.5
Morgan Anderson	Had many issues with my computer this past week (random shutdowns and lost work), but I read through our client's new documentation to determine what needs to be done to accomplish encryption and attempted to utilize the quantization function to create a key	5	79.5
Cole Alward	Continued working with normalization functions to fix the broken time vectors and discovered the broken Python scripts seem to be preventing valid jar files to be created. Looked more into full disk encryption and did not find support for developers to invoke it. Moved on to file based encryption and Java specific techniques for encrypting data.	7	75
Justin Kuhn	Continued testing python utils by using previous data logs. Validated pressure points and distributions are being calculated correctly. Modifying absolute paths in python to relative paths for correct PUF execution.	5	76
Ammar Khan	Tested the rewritten ResponseGen.java with the files in the git repository provided by the client. Verified that data parsing was working as needed. Also modified paths in scripts as suggested by Test Engineer Just Kuhn as we thought this may be causing some of the issues, however this did not resolve anything. Also set up meeting with client.	6	86
Yousef Al absi	Looked through Tim's documentation and was investigating the quantization method. I don't think they answered our question because we are calling the normalize method. I fixed the make files for creating the jar in the library but was having issues with signing the apk for the app.	6	80

Gitlab Activity Summary

PUF Repository :

Closed Merge Request:

Made At: 2019-02-25T23:32:49.313Z Author: lmandrew Description: Get DevOps working again

Made At: 2019-02-25T23:32:45.907Z Author: lmandrew Description: DevOps for PUF
