sdmay19-23: Mobile, Biometric Bitlocker
Week 8 Report
March 11 - March 25

Team Members
Larisa Thys — *Scrum Master*
Morgan Anderson — *Scribe*
Justin Kuhn — *Test Engineer*
Cole Alward — *Storyboard Master*
Ammar Khan — *Product Owner*
Yousef Al Absi — *DevOps Engineer*

Summary of Progress this Report
Continued work on integration, testing, and working on the PUF library.

Pending Issues
Issue 49 - Integrate Morgan's Changes and Added comments for Cole
Assigned to: Larisa Thys

Issue 48 - Integrate Encryption with Application
Assigned to: Cole Alward

Issue 47 - Fixed makefiles for Application
Assigned to: Yousef Al Absi

Issue 46 - Fixed Makefiles for Lib
Assigned to: Yousef Al Absi

Issue 43 - Re-write Util.py to Java for authentication
Assigned to: Justin Kuhn

Issue 40 - Create Key Generation Method
Assigned to: Morgan Anderson

Plans for Upcoming Reporting Period
Issue 51 - Deciphering Bin Files
Assigned to: Ammar Khan

Issue 45 - Making key from Quantize data
Assigned to: Morgan Anderson

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Larisa Thys	Worked on merging application together into application.	5	113.5
Morgan Anderson	Worked with Yousef on resolving a bug with the conversion of quantization data to a key using hex values instead of direct int to character conversion.	5	94.5
Justin Kuhn	Implemented PUF library jar containing rewritten python scripts into the application for initial testing. Fixed small implementation bugs. Began research on validity testing of rewritten scripts.	5	91
Cole Alward	Began converting how the application reads and writes files from standard I/O to FileProvider. This will allow us to demo and test encryption by being able to view file contents from outside the app.	4	114
Ammar Khan	Searched for methods to read the contents of the bin files so we can compare the outputs of the rewritten python scripts with the expected output in the bin files. Made changes in the jar to try and improve the performance of it but was not able to improve it in any noticeable way.	6	104
Yousef Al Absi	Looked through the Bitset APIs and helped Morgan with generating the string that is the encryption key. We were able to get the bitset into a hexadecimal string but we were running into weird behaviours.	5	90

Gitlab Activity Summary
Nothing to report.