sdmay19-23: Mobile, Biometric Bitlocker
Week 7 Report
March 4 - March 11

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

Summary of Progress this Report
Integrated encryption methods into application, closed merge requests. Finished making a key, with some continued investigation. Finished re-writing python scripts to Java files.

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

Plans for Upcoming Reporting Period
Issue 50 - Test re-written Util files
Assigned to: Justin Kuhn

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

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

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Yousef Al Absi	Finished the make scripts for both the app and the library. Working on finishing the runners for the gitlab so it runs the pipeline automatically.	5	85
Morgan Anderson	I completed conversion of quantization data from BitSets to string and vice versa, assisted Cole in locating a bug with File creation and concatenation and worked with Larisa to get all recent commits merged.	5	89.5
Cole Alward	Integrated encryption into the gestures app, meaning decryption is performed on validation. Resolved merge conflicts and created a merge request.	12	110
Ammar Khan	Fixed some more issues with the Python Scripts (ResponseGen.py) and finished rewriting the remaining necessary methods (Util.py). Pulled out all necessary methods into one class and integrated it into the PUF library to begin testing it in the actual flow of the application. Also attempted to test the python script results with the OutputGeneratedCSVs but the files in this directory were .bin files so I ran into difficulties reading the contents.	6	98
Larisa Thys	Finished the generation of challenge methods. Also pushed merge request along anf got Morgans changes integrated into the system.	7	108.5

Gitlab Activity Summary

PUF Repo:
Created New Branch
Made At: 2019-03-09T00:31:29.157Z Author: jrkuhn Branch Name: MBB-43

Pushes:
Pushed At: 2019-03-11T07:18:32.607Z Author: ammar To Branch: MBB-30 Commit Message:
Integrated rewrite into library

Pushed At: 2019-03-08T22:21:33.568Z Author: ammar To Branch: MBB-30 Commit Message: Rewriting ResponseGen.py

Application Repo:
Created New Branch
Made At: 2019-03-08T22:16:02.304Z Author: calward Branch Name: MBB-48

Pushes:
Pushed At: 2019-03-10T02:16:07.542Z Author: calward To Branch: MBB-33 Commit Message: locks orientation in file viewer to portrait
Pushed At: 2019-03-09T23:26:06.355Z Author: calward To Branch: MBB-33 Commit Message: Merge branch 'master' into 'MBB-33'
Pushed At: 2019-03-09T23:18:48.291Z Author: calward To Branch: MBB-33 Commit Message: debugging ui's removed, no tab to go file viewer, authenticate fini...
Pushed At: 2019-03-09T23:01:44.442Z Author: calward To Branch: MBB-33 Commit Message: revert here for debugging
Pushed At: 2019-03-09T06:36:04.437Z Author: calward To Branch: MBB-33 Commit Message: small changes
Pushed At: 2019-03-09T05:58:45.102Z Author: calward To Branch: MBB-33 Commit Message: small changes
Pushed At: 2019-03-09T05:56:48.899Z Author: calward To Branch: MBB-33 Commit Message: moved writing file from main to encryption
Pushed At: 2019-03-09T04:43:24.357Z Author: calward To Branch: MBB-33 Commit Message: cleaned up stuff, reverts to main on pause
Pushed At: 2019-03-08T23:38:17.179Z Author: calward To Branch: MBB-33 Commit Message: encrypts on open, decrypts on close
Pushed At: 2019-03-08T23:12:50.942Z Author: calward To Branch: MBB-33 Commit Message: encryption UI cleaned up
Pushed At: 2019-03-08T22:57:32.625Z Author: calward To Branch: MBB-33 Commit Message: opens encryption intent on validation

Opened Merge Request:
Made At: 2019-03-11T22:23:43.716Z Author: lmandrew Description: Integrate Encryption with Application
Made At: 2019-03-11T22:19:42.277Z Author: lmandrew Description: Test re-written Util files
Made At: 2019-03-09T23:23:10.247Z Author: calward Description: Mbb 33 - Integrating encryption

Accepted Merge Request:

Closed Merge Request:
Made At: 2019-03-11T22:19:04.101Z Author: lmandrew Description: Create temp files to encrypt
Made At: 2019-03-11T22:18:55.153Z Author: lmandrew Description: Integrate Encryption with Application
Made At: 2019-03-11T22:18:43.827Z Author: lmandrew Description: Create Key Generation Method

Comments:
Made At: 2019-03-11T22:21:09.103Z Author: lmandrew Commented On: Issue Comment: @ammar and @jrkuhn working on this
Made At: 2019-03-11T22:16:53.081Z Author: mandrsn Commented On: Issue Comment: Make sure string is 128 in size (4 bits per character)