

**sdmay19-23: Mobile, Biometric Bitlocker**

Week 2 Report

January 28 - February 4

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

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**Summary of Progress this Report**

Continued Investigation into known issues within the PUF library. Also, looking into how to make a key to encrypt/decrypt the device with. As well as continued testing changes and devops setup.

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**Pending Issues**

Issue 40 - Create Key Generation Method

Assigned to: Morgan Anderson

Issue 39 - Implement Missing Unit Tests

Assigned to: Justin Kuhn

Issue 38 - Fix Make Files

Assigned to: Yousef Al Absi

Issue 37 - Spike: Look into lib's to convert python to java

Assigned to: Ammar Khan

Issue 27 - Changing Challenge Generation Method

Assigned to: Larisa Thys

Issue 23 - Change number of evaluation points to 32

Assigned to: Cole Alward

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**Plans for Upcoming Reporting Period**

Issue 27 - Changing Challenge Generation Method

Assigned to: Larisa Thys

Issue 34 - Map PUF Test Functionality

Assigned to: Justin Kuhn

Issue 33 - Encrypt files using PUF encryption

Assigned to: Morgan Anderson

Issue 31 - Create temp files to encrypt

Assigned to: Cole Alward

Issue 30 - Re-write python scripts for authentication

Assigned to: Ammar Khan

Issue 40 - Create Key Generation Method

Assigned to: Morgan Anderson

## Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Larisa Thys	I worked on a bug found with multiple profiles for the application and on getting the application to generate three lines correctly.	5	77.5
Morgan Anderson	Attempted to debug Cole's problem with the merge request I made last week (MBB-22); however, I could not identify the problem (branch ran successfully on my device). Additionally, I began looking into the Python scripts in the PUF library to determine where key generation is being handled.	5	64.5
Cole Alward	Tested merge request, tried to fix issues happening on my end, looked into issues with evaluation points.	5	55
Justin Kuhn	Fixed existing errors in UD-PUF library for proper test compilation. Planned out new tests according to current code coverage. Reviewed and tested open merge requests.	5	59
Ammar Khan	Explored the feasibility of using several external libraries to execute our Python scripts as Java bytecode to try and curb the need to rewrite all of the python scripts, as we anticipate potentially needing to rewrite more scripts in the future.	5	70
Yousef Al Absi	Set up the new AWS instances with the key pem.ssh (placed in the Google Drive folder). Installed all the necessary packages/commands and tried to test the runners. I found out the old makefiles are not properly set up so I've been working on fixing them.	6	62


## Gitlab Activity Summary

### PUF Repository

#### Created New Branch

Made At: 2019-01-28T20:06:24.776Z Author: lmandrew Branch Name: revert-7c037403

#### Pushes:

Pushed At: 2019-01-30T20:43:17.925Z Author: calward To Branch: MBB-23 Commit Message: Merge branch 'master' into MBB-23

Pushed At: 2019-01-28T19:23:20.859Z Author: lmandrew To Branch: MMC\_26 Commit Message: merge master into MMC\_26

Pushed At: 2019-01-28T19:17:37.351Z Author: lmandrew To Branch: master Commit Message: Merge branch 'sdmay19\_9' into 'master'

#### Opened Merge Request:

Made At: 2019-01-28T20:06:33.043Z Author: lmandrew Description: Revert "Merge branch 'sdmay19\_9' into 'master'"

#### Accepted Merge Request:

Made At: 2019-01-28T19:17:35.971Z Author: lmandrew Description: Sdmay19 9

#### Closed Merge Request:

#### Comments:

### Sdmay19-23 Repository

#### Created New Branch

Made At: 2019-01-28T23:38:04.650Z Author: mandrsn Branch Name: MBB-22-merge

#### Pushes:

Pushed At: 2019-01-31T22:16:36.077Z Author: mandrsn To Branch: MBB-22-merge Commit Message: Merging master with new functionality from MBB-22

#### Opened Merge Request:

Made At: 2019-02-04T23:32:15.359Z Author: jrkuhn Description: Implement Missing Unit Tests

Made At: 2019-02-04T23:28:00.695Z Author: yalabsi Description: Fix Make Files

Made At: 2019-02-04T23:20:43.711Z Author: lmandrew Description: Spike: Look into lib's to convert python to java

Made At: 2019-01-31T22:18:51.466Z Author: mandrsn Description: Mbb 22 merge

Made At: 2019-01-28T23:44:28.248Z Author: lmandrew Description: Get DevOps working again

#### Accepted Merge Request:

#### Closed Merge Request:

Made At: 2019-01-31T22:20:23.958Z Author: mandrsn Description: Updated SDK version to 27, created an activity for when a user is successfully...

Made At: 2019-01-28T23:44:12.322Z Author: lmandrew Description: DevOps for App

Comments:

Made At: 2019-02-04T23:51:42.033Z Author: jrkuhn Commented On: Issue Comment: Correcting bugs in test compilation to further test existing test functionality

Made At: 2019-02-04T23:51:29.914Z Author: lmandrew Commented On: Issue Comment: After re-writing the data with what Tim gave me, I am still not coming up with what we hoped for. I think figuring out what x and y points come up in each quadrant of the screen.

Made At: 2019-02-04T22:20:58.681Z Author: mandrsn Commented On: MergeRequest Comment: @calward Strange. It works for me! We'll discuss at our meeting tonight.

Made At: 2019-02-04T19:39:05.426Z Author: calward Commented On: MergeRequest Comment: ![build-failed](/uploads/0b2f0b6a19e682cfd4ba7fadfbf62ab7/build-failed.PNG)

Build fails for me

Made At: 2019-01-31T22:22:37.493Z Author: mandrsn Commented On: MergeRequest Comment: Make sure the 10 profile change is there!

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