

sdmay19-23: Mobile, Biometric Bitlocker

Week 6 Report

October 8 - October 15

Team MembersMorgan Anderson — *Scribe*Justin Kuhn — *Test Engineer*Yousef Al Absi — *DevOps Engineer*Larisa Andrews — *Scrum Master*Cole Alward — *Storyboard Master*Ammar Khan — *Project Owner*

Summary of Progress this Report

The team has been working on currently assigned tickets, consisting of testing the current implementation of PUF. Through this testing, we have found some reasons for concern. The team also put together and edited the project's Design Document.

Pending Issues

Issue #9 - Change number of max profiles to 10 in PUF library.

Assigned to: Larisa Andrews

Issue #10 - Change email in PUF library.

Assigned to: Cole Alward

Issue #11 - Test PUF library on actual hardware.

Assigned to: Ammar Khan

Issue #12 - Create unit tests for PUF library.

Assigned to: Justin Kuhn

Issue #16 - Disable home/back button in PUF application.

Assigned to: Yousef Al Absi

Issue #17 - Create documentation for branching/merge requests.

Assigned to: Morgan Anderson

Issue #18 - Branching based on given documentation

Assigned to: All team members

Plans for Upcoming Reporting Period

Issue #14 – Add Android application level encryption.

Issue #19 - Make restrictions for repository (i.e. branches, commit messages, etc.)

Issue #20 - Creating a framework for individual unit tests.

Issue #22 – Create basic framework for Android application.

Issue #X - Unit testing sub-tasks (PUF subcategories, Android application)

Individual Contributions

| Team Member | Contribution | Weekly Hours | Total Hours |
|-----------------|--|--------------|-------------|
| Morgan Anderson | I established what models and simulations the team would be using for our design document. Additionally, I created a document for the team containing information concerning how the team should properly branch from the repository, deem a story (i.e., ticket) as complete and document code and functionality. The document also outlines our group's team and work agreements | 6 | 28.5 |
| Justin Kuhn | Cloned current PUF repository, built and compiled the code and branched the repository for work on my ticket. Examined current PUF directories for organizing a testing structure. | 6 | 28 |
| Yousef Al Absi | Wrote a method that would disable the back button. I still have to write tests and open a pull request with the branch. | 5 | 27 |
| Larisa Thys | Larisa worked on making a branch for both internal and external repositories. She also worked on the design document and created more diagrams for the project. | 7 | 30 |
| Cole Alward | Monitored GitLab activity and tickets. Changed the email address for the PUF log. Looked into issues with PUF false positives. | 5 | 25 |
| Ammar Khan | Coordinated communication with client. Additionally, I began testing the PUF application on actual hardware. I found many issues with the application while testing it on a Nexus 7. I did over 100 iterations to make sure I had a good sample size, and I also tested the application with several people. After experiencing all the issues, I continued testing on different hardware to ensure the issues were with the application and not | 7 | 28 |

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| | hardware. | | |
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Gitlab Activity Summary

Nothing to report.
