sdmay19-23: Mobile, Biometric Bitlocker
Week 4 Report
September 24 - October 1

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

Summary of Progress this Report
Tickets in current sprint were closed out.
Specifically, https://git.ece.iastate.edu/sd/sdmay19-23/issues/4,
https://git.ece.iastate.edu/sd/sdmay19-23/issues/6 and https://git.ece.iastate.edu/sd/sdmay19-23/issues/8.
We submitted a rough draft of our project plan, which included work on our project timeline, requirements and testing.

Pending Issues
Issue: Research Sub Task 4 - Android Application OS Integration
Description: Can we make an Android application that integrates into the OS and can be accessed during initial runtime? If it cannot be in the OS, make another ticket to research alternatives.

Plans for Upcoming Reporting Period
We will hold a retrospective and sprint planning meeting to decide on upcoming work.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Cole Alward	Researched Android's file-based encryption and full-disk encryption. Analyzed difference between Android's credential encrypted storage and device encrypted storage. Read eCryptfs documentation and researched implementation.	5	15
Larisa Thys	This week Larisa read through more documentation for PUF and summarized the understanding in the PUF research ticket to be reviewed by team members. She also	5	17

	added the previous history for project plan.		
Morgan Anderson	Developed the project schedule for the team's project plan, continued research of PUF by reading external documentation and analyzing code repositories Larisa found.	5.5	17.5
Yousef Al Absi	Finished working on the ticket for researching the Android applications in the client-provided repository, documented the results in the issue and found what the current limitation is/lacks. Made sure that the apk runs and compiles successfully. Worked on the project plan to find goals and deliverables for the project.	5	16.5
Ammar Khan	Facilitated team communication with the client and also continued working on the ticket for researching the Android applications in the repository, documenting anything noteworthy. I also attempted to test the main application with actual Android Hardware (i.e., Nexus 7 tablet).	5	16
Justin Kuhn	Crafted a testing plan for the project to ensure unit and system testing is properly utilized. Continued researching the kernel access and frameworks available for the Nexus 7.	5	17

Gitlab Activity Summary
Nothing to report.