

**sdmay19-16: Smartphone App to Detect TwD (Texting while Driving)**

Week 10 Report

March 11 - March 15

**Team Members**Kristina Robinson - *Project Lead*Andrew Knaack - *Lead Designer*Sara Mace - *Meeting Scribe*Lucas Golinghorst - *Test Engineer*Ryan Baker - *Architect*Derek Clayton - *Report Manager***Summary of Progress this Report**

The focus of this reporting period was to ensure a smooth integration between the texting speed and texting modules. More debugging was performed on the centripetal acceleration module, in attempts to solve the multi-sensor crash bug.

**Pending Issues**

- Location services must be implemented
- The multi-sensor bug in the centripetal acceleration module must be resolved
- Plans for field testing must be developed

**Plans for Upcoming Reporting Period**

Kristina - Touch base with team to see what else we can integrate into the app or where I can help.

Andrew - Keep working on Location Services, help integrate Text Watcher into main app

Sara - Talk with team and see who needs help and help them.

Lucas - Create a working demo of the centripetal acceleration module. Work with Ryan to create documentation for the camera imaging module.

Ryan - Creating methods to collect data so we make graph it. Work with Lucas to create documentation for the camera imaging module.

Derek – Figure out multi-sensor crash bug in the centripetal acceleration module.

**Individual Contributions**

Team Member	Contribution	Weekly Hours	Total Hours
Kristina Robinson	Added verification for successful integration of texting speed module with proprietary texting application. Also, fixed some minor bugs in the application and cleaned up xml files.	7	53
Andrew Knaack	Kept working on Location Services	8	64

Sara Mace	Verified that Kristina's integration works to ensure that the texting speed module is done. Also tested the texting speed module.	6	56
Lucas Golinghorst	Debugged the centripetal application module with Ryan. Made some improvements to UX, tried to figure out what is causing application crashes.	6	56
Ryan Baker	Debugged centripetal acceleration module with Lucas. Attempted to find the cause of the application crashing and purposed a few solutions after finding some potential problems.	6	53
Derek Clayton	Continued work on the centripetal acceleration module. Tried to solve multi-sensor crash error. Determined source of crash occurred in relation to the sensor data arrays.	7	52.5
		Total Group Hours:	334.5

**Gitlab Activity Summary**

Kristina added logs to texting speed module [5 changed files, 32 adds, 18 dels](3/14/19).

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