

sdmay18-22: Adaptive Wireless Wearable Neuro-Stimulator

Week 10 Report

December 13 - December 5

Team MembersKevin Wang — *Meeting Facilitator*Kevin Simons — *Test Engineer*Matthew Stephenson — *Report Manager*Patrick Walsh — *Communications Manager*Brian Weber — *Chief Engineer*

Summary of Progress this Report

Wearable:

A list of parts were compiled from suppliers to try to limit cost for the client. The list of parts was sent out to be forwarded to the client so we can jump straight into development in the second semester, having all the parts on hand.

Android Application:

The UI is now functioning properly through use of dynamically shown fragments. The user is now able to progress from the login screen to the main view of the application. Functionality has been added to check if something has been typed into the username and password fields on the login screen. If there is nothing entered, the user is unable to progress through the application. The buttons in the main activity of the application are now functional and enable the user to switch what view is displayed.

Presentation:

All team members worked on developing our end of semester presentation. We created both the presentation that we will present and a more in-depth stand-alone presentation as a handout as well as to host on our site for people who aren't able to go to our presentation.

Pending Issues

Wearable:

We need to check back in with our client to make sure that all the parts were ordered.

Android Application:

Bluetooth functionality needs to be implemented. Connectivity to the android device's internet and cellular data needs to be implemented. Functionality to allow the user to interact with certain views needs to be implemented.

Next semester we will be starting directly with the development of the embedded code, android app, and web app.

Plans for Upcoming Reporting Period

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Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Kevin Wang	Mostly worked on presentation and finishing up design documents. Meetings with advisor in terms of progress this semester and plans for next semester. Some work on Android application.	12	50
Kevin Simons	Worked a bit on updating the data analysis scripts with the new information from my meeting with our client and source of data. But mostly this week was working on getting the presentation and all of our documents up to date and ready for the end of the semester. I'll be emailing our client the new graphs and over the next week give him that information.	9	57
Matthew Stephenson	I compiled a list of parts searching for the parts we needed from different vendors trying to limit the cost. Additionally, I met with the faculty adviser going over our accomplishments for the semester, getting input on our presentation. Sent the parts list off to Patrick to request our client to order.	10	52.25
Patrick Walsh	Worked on getting the UI of the android app working properly, met with faculty adviser to get help making android UI and make it function, added functionality to enable navigation throughout the application, worked on presentation, and helped finalize project documents for end of semester	16	57.5
Brian Weber	I worked on our final presentation for the first semester of senior design	10	44.5