

EE 491 WEEKLY REPORT 6

Date: 2/29/2016

Group: **DEC1605**

Project title: **Kepros Physical Therapy & Performance, PC**

Client: Ted Kepros

General Advisor: Suresh Kothari

Technical Advisor: Jeremias Saucedo

Team Members/Roles:

Anthony Branson: Team Leader

Jiahui Quan : Team Webmaster

Samuel Eue : Key Concept Holder

Benjamin Engh : Team Communication Leader

Weekly Summary

_____ This week, we were challenged in class to create 5 slides that summarized our project. We feel we have a great understanding of our project after talking with Ted, so we didn't have much trouble coming up with an outline. During the week we all did our own things. All in all, we worked on the slides, started to make our changes to the hardware, and further examined the code that the last group made.

Past week accomplishments

- ❖ Discussed the content of each slides for our presentation.
- ❖ Went over some codes and tried to get the hardware to communicate with the computer during the meeting on the 25th.
- ❖ Sam made a list of the hardware for us to order.
- ❖ Anthony worked on the slides for the presentation.
- ❖ Benjamin wrote the weekly report on Monday, February 29th.

- ❖ Benjamin researched how to code with the Arduino during the weekend of February 27th and 28th.

Pending issues

- ❖ We are not entirely sure how to get data from the sensors
 - We have a better idea after this week, but we are having difficulties finding the specific calls in the last group's code.
 - If we find that we are spending too much time on it next week, Jeremias can point us in the right direction.
- ❖ A slight issue we are having is understanding the last group's code.
 - A lot of their code is Android based, and since we decided that Android wasn't a priority, a lot of this will get scrapped. However, much of their program relies on Android's libraries and may be difficult to transfer to the PC.
 - Anthony is trying to contact some of the previous group members to see if there are any areas of the code that can really help us.
 - Our current plan is to use SQL as they did to create a database and then find a graphing library online that can output this data. This is a very manageable task in our timeframe, but it'd be a shame if we threw out all of the past team's hard work.

Individual contributions

<u>NAME</u>	<u>Individual Contributions</u>	<u>Hours this</u>	<u>HOURS</u>
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		<u>week</u>	<u>cumulative</u>
Ben	Project plan doc Arduino practice/research	5	27.5
Jiahui	Research on some hardware we may used to redesign project	3	22
Anthony	Reviewed old repo code, facilitated communication, talks with client about hardware order	4	20
Samuel	Came up with hardware revisions	2	17

Comments and extended discussion

We are finishing up the planning phase of our project and beginning to implement our ideas. We know what we want to do and we discussed how we want to implement our plans into our code. As we work on these implementations though, it is very possible that we find an easier way to do things. It's important that we continue to write the program so that we have ample time to make these changes.

This week's issues, and a lot of future weeks' issues, will be solved by spending more time with the project.

Plan for coming week

- ❖ We will finalize the slides about our project and rehearse for the presentation.
- ❖ We need to get the program to read and display basic information from the sensors.
- ❖ Order the hardware components.

Summary of weekly advisor meeting

We did not meet with our advisor this week, but we plan to meet with Kepros again soon when we can show him the outputs from the program and he can help us determine which information is useful.