

## Meeting Notes

April 5th, 2018

### What was discussed:

- Wiring Ideas
  - To have a team working meeting to design the layout and work to have it sewn in
  - Place free wires on top of the elastic and then cover with spandex material
- Matthew Report
  - Got more of app updated
    - Scrolling “My Tasks” with three exercises
  - Worked on data collection – graphing abilities
  - Plans to implement “Begin Exercise” data collection and save data
- Quinn Report
  - Printed remodeled case from Dr. Perry’s recommendations
    - All ready to go! No improvements needed.
  - Reaching out about fabric coming in
- Jacob Report
  - Updated case design – to be printed this afternoon
    - Holes for screws made bigger – also screws found at Home Depot
    - Thickened pegs and added fillets
    - Components can be fit nicely – to test out once printed
  - Made changes that were discussed in last meeting
  - Met with Ruth earlier today and drew map of wiring
  - Working on mathematical aid
- Ruth Report
  - Talked to Sebastian and Chris – looked at paper from last week and coded it
  - Update design specs
- Bre Report
  - Made another prototype – doesn’t have Velcro yet but harness is complete
  - Arm hole to be made wider
  - To work to have harness finished by next week so we can begin wiring
- Alex Report
  - Didn’t have assigned tasks
  - Will help people with their tasks until expo
  - Working on kinematics
- Angles vs Exercises
  - We should work on figuring out the angles so that the data is readable and understandable
  - This information can then easily be passed to the next team and they can simply add exercises

### To do before next meeting (3/22):

**Quinn** to read into kinematics paper and do research

**Jacob** to read into kinematics paper and do research

**Bre** to finish prototype

**Matt** make videos work

To get random data to be generated and percent error to begin working/be understood  
**Ruth** to post design spec

**Alex** to read Matt's paper on mathematic section for percent error from angles

Look into quaternions – how they're being calculated – call help center?

**Agenda for Next Meeting:**

Date: Thursday, April 12, 2018

Time: 3:30 pm

Place: Think Tank Room A

Agenda:

1. Everyone to report on last week's tasks
2. Set date for work meeting to determine wiring plans for harness – determine when fabric should be here for Bre
3. Should we plan another meeting with Chris and Sebastian – since we all looked into the mathematics this last week?