Meeting Minutes

**Date:** Tuesday, June 11, 2019

**In Attendance:** Brittany Hewitson, Corey Myrdal, Huy Thong Bui, Wenpei Li, Winsey Chui

**Start Time:** 12:25AM

**Purpose of Meeting:**

* Go over assigned design specs tickets on GitLab
* talk about design specifications document
* begin planning design steps
* assign tasks for the next meeting

**Discussion:**

* No arguments about design specs tickets
* Rubric posted for Design Specs
  + Design specs is much larger than requirements specs, so start soon
* Wiki page to make notes on what we need for project, make specs from that
* Hardware
  + Is camera adaptable for the raspberry pi’s we have – need confirmation
  + Look into directing light of LEDs
  + Begin building prototype on Friday
* Software
  + Will use raspberry pi
  + Look for skin data?
    - Can we do something without IR light?
    - Get sample data with simple set up so start processing
      * Hardware team to deliver end this week or early next week
  + Figure out region of interest
    - Look for other people’s code for baseline?
    - Brittany to input data
    - Corey/thong to select region of interest
  + What programming language?
    - Python for now, C in phase 2 if algorithm is slow
  + Discussion of roles
    - Brittany to take video
    - Corey/Thong to process data from Brittany to extract HR and RR
  + What to do about Git? Branch off tickets and merge into Master? Or have someone in charge of merging everything in?
    - Maybe make files on master for now and branch off in future?
    - Write little scripts for now, software team meet and figure out how to layout code
    - Brittany push software directory in
  + Keep track of any libraries installed so know what requirements needed
* User Interface
  + Take a picture to begin with, just so can auto-detect that face specifically?
  + Begin rough plan – hoping for baseline app at end of Phase I
  + Begin with web app – move to mobile app later if time
* Do we move to MS Word in the future for report creation? Or stay with Latex?
  + Look in Microsoft 365

**Action Plan for Future:**

* Winsey
  + Buy raspberry pi camera - Due Date: June 14, 2019
  + get sample data - Due Date: June 14, 2019
  + Give receipt to Corey – due date: after buying raspberry pi camera
* Brittany
  + Determine region of interest – Due Date: June 12, 2019
* Corey
  + Bring raspberry pi – Due Date: June 13, 2019
  + Work on RR extraction– Due Date: June 12, 2019
  + Collect sample data using ambient light – Due Date: June 13, 2019
* Wenpei
  + Get sample data – Due Date: June 14, 2019
* Thong
  + Basic algorithm for data analysis – Due Date: June 19, 2019

**Next Meeting Date:** June 18, 2019 – 12:30

**End Time:** 1:25PM