Team 18

Project Title: Smart Digital Stethoscope - Phase II

Date: 10/3/21

## Members:

- Vignati Yalamanchili – Scrum master/Developers
- Joyce Lai - Scrum master
- Austin Collins - Developers
- Matthew Gasparaitis - Developers
- Yilun Huang - Developers
- Abdalla Alzaabi - Developers
- Omar Alsaedi - Developers

## What we've accomplished in the past week/what we've been researching

- Vignati Yalamanchili – Read through the final presentation slides, also looked through the last year's code and the websites Dr. Kokhar recommended.
- Joyce Lai - Read through websites covering foundational knowledge of digital stethoscopes (recommended by Dr. Kokhar), previous year's final presentation slides, skimmed previous year's GitHub. Researched how Bluetooth works and different types of Bluetooth.
- Austin Collins - I read through the material from the past group. I also read all the reference material recommended by the professor. I got a start on the WebRTC server. I also read a lot of reference material specifically about WebRTC. I also secured a couple of containers for internals (if we need them) and I have contacted past group iterations about the parts necessary to begin and when we expect to receive them.
- Matthew Gasparaitis - Read through the material from the past group as it flowed in. Also read through the documents our client thought would be useful to us before working.
- Yilun Huang - Read through the digital stethoscope resources provided by Dr. Kokhar, previous project presentation slides, code repository.
- Abdalla Alzaabi - Read through the digital stethoscope resources provided by Dr. Kokhar
- Omar Alsaedi -

## What we're planning to do in the coming week

- Vignati Yalamanchili – I plan to do more research to gain technical knowledge.
- Joyce Lai - Contact the previous senior design team working on this project inquiring about their knowledge and research on Bluetooth chips and requesting their technical documents from 491/492. Get a recommendation for which Bluetooth chip to use and start reading the technical documentation on that chip.

- Austin Collins - Finishing up the WebRTC server and presenting my findings to the group. This is mainly a time for me to experiment and is not meant to be the actual server, rather a practical proof of concept for us moving forward and a way for me to become more comfortable with the format, etc. I also want to make sure that the materials needed are being received or are in process of being received. I am going to stress design this week in team meeting so that we can identify specifically which parts we are needing so that we can get them ordered and have all components we need as soon as possible so we can become familiar with them.
- Matthew Gasparaitis - I want to try and start learning/reviewing the material needed to help me understand how to configure Bluetooth to work with the given filter from the last group(hopefully eventually getting the hardware from the past group members)
- Yilun Huang -
- Abdalla Alzaabi -
- Omar Alsaedi -

## Issues we had in the previous week

- Vignati Yalamanchili - N/A
- Joyce Lai - N/A
- Austin Collins - Eric Becker seems resistant to providing materials from previous project iteration. Will need to talk to professor about it during weekly meeting if he continues to ignore my messages and then take steps there to order all new pieces by making a bill of materials.
- Matthew Gasparaitis - N/A
- Yilun Huang -
- Abdalla Alzaabi -
- Omar Alsaedi -