

Team Name: sdmay24-15

Team Members:

Coby Konkol, Andres Ceballos, Caden Backen, Casey Halbmaier, Nihaal Zaheer, Benjamin Gardner

Report Period: Aug. 28 - Sept. 10

Summary of Progress in this Period

We met with our T.A. and faculty mentors this week and introduced ourselves. The end-users for the product we are designing are still out of communication with us. In our initial contact, we were informed that there would be bi-weekly “office-hours” for asking them questions, getting advice, etc.. We signed our lab waivers and we set up our gitlab so that we could all upload and edit issues to help label what tasks are backlogged, blocked, in progress, and completed. In Gitlab we added a board to keep issues organized. We met all together to fill our additional team documents like our team contract and our preamble.

Progress on Issues:

We have a milestone: “Initial Research and requirements gathering”: This milestone is for the completion of the initial requirements gathering process. At the end of this milestone, we will have a document for submission for the requirements, constraints, and engineering standards document.

Issue 2: Research designs for non-invasive blood-pressure monitoring (Coby Konkol)

Found a scholarly article on various advancements and techniques for monitoring blood pressure. Filtering down the advancements to non-invasive methods that are smaller scale (so they may be wearable), and researching various techniques and sensors.

Issue 7:

Pending Issues

Research:

- Issue 5: Possible Ethical Constraints for wearable devices on both humans and animals.
- Issue 3: Possible non-invasive heart rate monitoring techniques.
- Issue 2: Possible non-invasive blood pressure monitoring techniques.

Team Effort:

- Issue 8: Bi-Weekly Progress Report
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Plans for Upcoming Reporting Period

Team Effort:

- Brainstorm meeting to determine strategies to develop our product.

Research:

- Issue 5: Possible Ethical Constraints for wearable devices on both humans and animals.
- Issue 3: Possible non-invasive heart rate monitoring techniques.
- Issue 2: Possible non-invasive blood pressure monitoring techniques.

Upcoming Meetings:

Day	Date	Short Description
Monday	9/18.	T.A. Meeting
Monday	9/18.	Team Brainstorm Meeting
Wednesday	9/20.	Meeting with B.A.E. Mentors to gather brainstorm feedback.
Monday	9/25.	T.A. Meeting
Monday	9/25.	Team Meeting (Topic Undecided)
Unknown		Meeting with Rachel Shannon for Introductions.
