Weekly Progress Report – 10/19/2024

1.) This week our team mainly did research on how we would solder our sensor onto our computer, and we made the final choice for our operating system. We had to do some extra research on it to be sure we wouldn't mess up our computer or make our upcoming tasks more difficult. We also took some time to watch the python tutorial that was posted and soldering tutorials so we could be better prepared.

2.) Nasir did research into proper soldering practice for our computer and ordered our microSD for installing the operating system. He also watched the Python tutorial.

Marquise and Reece did research on the operating system and the practices for installing and working with it. We were deliberating between choosing Pi OS or Pi OS lite because we are making up for the low memory with the microSD card. They also watched the Python coding tutorial.

3.) We did not install the OS because our microSD card is currently on the way in the mail, and we also did not solder yet because we were worried that we would do it wrong if we didn't do enough research on the proper practices with our computer.

4.) This week we will install the OS and get the soldering done and hopefully by Thursday we can start working within the OS to see if our chip is working as intended and communicating with the computer.

5.) Python tutorial: https://youtu.be/kqtD5dpn9C8

Pi OS, vs Pi OS lite: https://peppe8o.com/raspberry-pi-os-lite-vs-desktop/\

Soldering tutorial: https://www.youtube.com/watch?v=UDdbaMk39tM

6.)

Team name: Daredevils

Team members: Nasir Mendez, Marquise Allsup, Reece Clem

Weekly Progress Report – 10/26/2024

1.) This week we started soldering our board. We got the GPIO pins soldered but we still need to solder the sensor.

2.) All members of the group contributed for the soldering, we each took turns.

3.) We still need to install the OS, we have been waiting for our microSD card to come in because it got delayed in shipping.

4.) This week we will solder the sensor, install the OS, and make our connection between the sensor and pi.

5.)Team name: Daredevils

Team members: Reece Clem, Marquise Allsup, Nasir Mendez

Daredevils: Reece Clem, Nasir Mendez, Marquise Allsup

Weekly Progress Report – 11/09/2024

1.) This week we began research on how to build a website

2.) Nasir did research on what the best tools to use were for building a website. Marquise and Reece began research on how to code javascript for a website.

3.) Right now I don't think we've faced any real issues other than choosing what tools to use to build the website, and the difficulty of learning javascript.

4.) Next week we plan to finish learning about the code and picking our tools so we can begin building.

Daredevils: Reece Clem, Nasir Mendez, Marquise Allsup

Weekly Progress Report – 11/16/2024

This week we did the Focus on the Future's event.

Reece and Nasir both presented the Raspberry Pi project, unfortunately Marquise was absent. We enjoyed doing the presentation and thought it was a good experience. We learned that it is good to plan to have extra to say to fill some of the dead time. We enjoyed seeing the kids interact with what we made, and how some of them claimed they would consider choosing Computer Science as a major in the future. We did face some technical issues with our Raspberry Pi, but we were able to fix them quickly any time they occurred, so it did not effect the presentation much at all.

Daredevils: Reece Clem, Nasir Mendez, Marquise Allsup

Weekly Progress Report – 11/23/2024

1.) This week we primarily did more research on coding, but we did begin building some example code for how our website might be structured.

2.) All three of us studied how to code in HTML and CSS so that we could create objects to structure our website along with giving it a unique style.

3.) We had issues with learning these code languages, primarily just because we are trying to fast-track our learning process to only cover what we need, but then it becomes more difficult to understand syntactic rules and data structures specific to each language.

4.) Next week we plan on taking some of our example code and trying to combine to actually make a website.

More below

Daredevils: Reece Clem, Nasir Mendez, Marquise Allsup

Weekly Progress Report - 12/07/2024

1.) This week we worked on finishing the website, report, and presentation that is due on the 10th We are almost finished with each of these and are currently making finishing touches.

2.) Reece was mainly in charge of coding the website, but took input from other team members on how it should be designed. Nasir was in charge of designing the final report, and Marquise made the final presentation.

3.) There were a lot of issues in getting the website to run correctly. We wanted it to look nice so we took time to make an animated gradient background which proved to be difficult to implement with a uniform and clean look across all pages.

4.) The plan for next week is to submit all of our work and finish with the class!