

### What we did:

- **Read through the welding project**
  - **Read the helpful resources**
  - **Watched the videos**
  - **Made a schedule**
- **Studied Python**

Activity	Activity Description	Activity ID	Activity Type	Activity Status	Activity Owner	Activity Start Date	Activity End Date	Activity Duration	Activity Priority	Activity Notes
1	Teamwork System: Initial Meeting and Kick-off	10000001	Teamwork System	Active	System	2023-01-01	2023-01-01	1 Day	High	Initial meeting and kick-off for the Teamwork System.
2	Task: Network Configuration and Setup	10000002	Task	Completed	Network	2023-01-02	2023-01-02	1 Day	Medium	Network configuration and setup completed.
3	Task: User Training and Documentation	10000003	Task	In Progress	Training	2023-01-03	2023-01-03	1 Day	Medium	User training and documentation in progress.
4	Task: System Integration and Testing	10000004	Task	Not Started	Integration	2023-01-04	2023-01-04	1 Day	High	System integration and testing not started.
5	Task: System Deployment and Go-Live	10000005	Task	Not Started	Deployment	2023-01-05	2023-01-05	1 Day	High	System deployment and go-live not started.
6	Task: System Maintenance and Support	10000006	Task	Not Started	Maintenance	2023-01-06	2023-01-06	1 Day	Medium	System maintenance and support not started.
7	Task: System Upgrade and Patching	10000007	Task	Not Started	Upgrade	2023-01-07	2023-01-07	1 Day	Medium	System upgrade and patching not started.
8	Task: System Security Audit and Review	10000008	Task	Not Started	Security	2023-01-08	2023-01-08	1 Day	High	System security audit and review not started.
9	Task: System Performance Monitoring and Optimization	10000009	Task	Not Started	Performance	2023-01-09	2023-01-09	1 Day	Medium	System performance monitoring and optimization not started.
10	Task: System Backup and Recovery Testing	10000010	Task	Not Started	Backup	2023-01-10	2023-01-10	1 Day	High	System backup and recovery testing not started.
11	Task: System Documentation and Reporting	10000011	Task	Not Started	Documentation	2023-01-11	2023-01-11	1 Day	Medium	System documentation and reporting not started.
12	Task: System User Acceptance Testing (UAT)	10000012	Task	Not Started	UAT	2023-01-12	2023-01-12	1 Day	High	System user acceptance testing (UAT) not started.
13	Task: System Final Review and Sign-off	10000013	Task	Not Started	Review	2023-01-13	2023-01-13	1 Day	High	System final review and sign-off not started.
14	Task: System Handover and Transition	10000014	Task	Not Started	Handover	2023-01-14	2023-01-14	1 Day	High	System handover and transition not started.
15	Task: System Post-Implementation Review	10000015	Task	Not Started	Review	2023-01-15	2023-01-15	1 Day	Medium	System post-implementation review not started.
16	Task: System Archiving and Decommissioning	10000016	Task	Not Started	Archiving	2023-01-16	2023-01-16	1 Day	Medium	System archiving and decommissioning not started.
17	Task: System Project Closure and Reporting	10000017	Task	Not Started	Closure	2023-01-17	2023-01-17	1 Day	Medium	System project closure and reporting not started.
18	Task: System Project Review and Lessons Learned	10000018	Task	Not Started	Review	2023-01-18	2023-01-18	1 Day	Medium	System project review and lessons learned not started.
19	Task: System Project Archiving and Storage	10000019	Task	Not Started	Archiving	2023-01-19	2023-01-19	1 Day	Medium	System project archiving and storage not started.
20	Task: System Project Final Report and Sign-off	10000020	Task	Not Started	Report	2023-01-20	2023-01-20	1 Day	High	System project final report and sign-off not started.

### What we did:

- Derian continued to work on getting his license
- Bates, Bailey and I tried to set up the accelerometer and gyroscope

## Thursday, January 11 - Class

### What we did:

- **Derian finished his course**
- **Bates organized our items into storage shelves**
- **Bailey and I looked through guides to find a better code**

Derian got through the radio course, so now he will be able to get his radio license next week. Our storage containers came in today, so I was going to help Bates organize. However I ended up working with Bailey to find a better code. The original guide we had been using was in Java, not python. Bailey and I looked through different guides on the Pi's website that we thought had a python code. We ran into a problem when the github

link to the code was the same one for the Java code. We got around this by googling for the code using the Pi's name. We finally got the code onto the pi and opened it up to test it. When we tried running it, however, we got a syntax error, and I pointed out that some functions did not have parentheses around their objects.

## **Flex**

### **What we did:**

- **I corrected the syntax of the gyroscope code**
- **Bailey had to leave**
- **Bates and Derian finished organizing**

I continued editing the code to correct syntax. I also found out that Python runs into an error when the indentation alternates between spaces and tabs. I knew that Python relied on indentation more than other languages, but did not know about this error. It was annoying to manually go back and fix the mistakes in the program, but I finished it up and the program actually worked!

## **Saturday, January 13**

### **What we did:**

- **Bates and I downloaded the github folder onto the Pi and went through the different options of filters for the accelerometer and gyroscope.**

The other codes had the same syntax problems as the first one I looked at. I spent some time at the beginning of this session fixing them. The rest of the time, I organized and tested the four different filters.



