Individual Weekly Report

Name: Josh Werner
Team: Bray IIoT Smart Solutions
Date: 04/21/2025

Current Status

1. What did you **personally** work on this past week?

Task	Status	Time Spent
Testing	In Progress	2hr
CSE Expo Presentation/Demo	Complete	2hr
Debugging	Complete	1hr

Include **screenshots/graphics** to illustrate what you did this past week:

Coverage report: 48%

Files   Functions   Classes

coverage.py v7.8.0, created at 2025-04-21 13:27 +0000

File ▲	statements	missing	excluded	branches	partial	coverage
api_v1/__init__.py	75	18	0	0	0	76%
api_v1/custom_csv.py	70	8	0	12	2	83%
app.py	7	7	3	0	0	0%
db_connector/__init__.py	71	41	2	10	2	40%
db_connector/data_gen.py	24	24	2	4	0	0%
db_connector/models.py	71	0	0	0	0	100%
db_connector/queries.py	113	91	0	20	0	17%
interpret.py	53	53	3	12	0	0%
mqtt_client/__init__.py	92	35	0	12	1	56%
mqtt_client/aux_sensor_event.py	33	20	2	8	0	32%
mqtt_client/crc16.py	14	0	6	2	0	100%
mqtt_client/misc.py	9	0	0	4	1	92%
mqtt_client/sensor_event.py	117	68	2	22	0	35%
tests/__init__.py	0	0	0	0	0	100%
tests/conftest.py	46	15	0	6	2	60%
tests/test_api.py	61	0	0	0	0	100%
tests/test_db_connector.py	0	0	0	0	0	100%
tests/test_mqtt_client.py	103	73	0	4	0	28%
Total	**959**	**453**	**20**	**116**	**8**	**48%**

Python	3.11.12
Platform	Linux-6.10.14-linuxkit-x86_64-with
Packages	• pytest: 8.3.5 • pluggy: 1.5.0
Plugins	• cov: 6.1.1 • metadata: 3.1.1 • html: 4.1.1

Summary

10 tests took 212 ms.

(Un)check the boxes to filter the results.

☑2 Failed, ☑8 Passed, ☑ 0 Skipped, ☑ 0 Expected failures, ☑ 0 Unexpected passes, ☑4 Errors, ☑ 0 Reruns

Result ▲	Test
Error	tests/test_mqtt_client.py::TestSensorEvent::test_parse_event_summary_record::setup
Error	tests/test_mqtt_client.py::TestSensorEvent::test_parse_data_record::setup
Error	tests/test_mqtt_client.py::TestSensorEvent::test_parse_heartbeat_record::setup
Error	tests/test_mqtt_client.py::TestSensorEvent::test_parse_data::setup
Failed	tests/test_api.py::test_events_last_n[0-0]
Failed	tests/test_api.py::test_event_download
Passed	tests/test_api.py::test_sensors
Passed	tests/test_api.py::test_events_happy
Passed *(show details)*	tests/test_api.py::test_events_last_n[2-2]
Passed	tests/test_api.py::test_event
Passed	tests/test_mqtt_client.py::TestCRC::test_crc_happy
Passed	tests/test_mqtt_client.py::TestMisc::test_cstr_str_happy
Passed	tests/test_mqtt_client.py::TestMisc::test_cstr_str_rainy
Passed	tests/test_mqtt_client.py::TestSensorEvent::test_init

2. What problems did you run into? What is your plan for them?
   No problems this week, we are finalizing all necessary components for the project.

3. What is the current overall project status from your perspective?
   The project is seemingly completed at this point.

4. How is your team functioning from your perspective?
   As the time gets closer to the due date, the team is working harder and more effectively. We have made incredible progress due to the whole team taking initiative and working together.

5. What new ideas did you have or skills did you develop this week?
   I developed new skills related to integration testing and presenting.

6. Who was your most awesome team member this week and why?
   Aysen De La Cruz, I think Aysen is committing a lot of effort to this project that makes him a standout member of this team. He has been consistently working outside of class hours and making significant contributions by being persistent.

Plans for Next Week

What are you going to work on next week?

We need to finish up the final project report as well as finish some loose ends that are currently looming over us. Otherwise, at this point we are very close to being finished.