# Individual Weekly Report

**Name: Kris Gavvala**
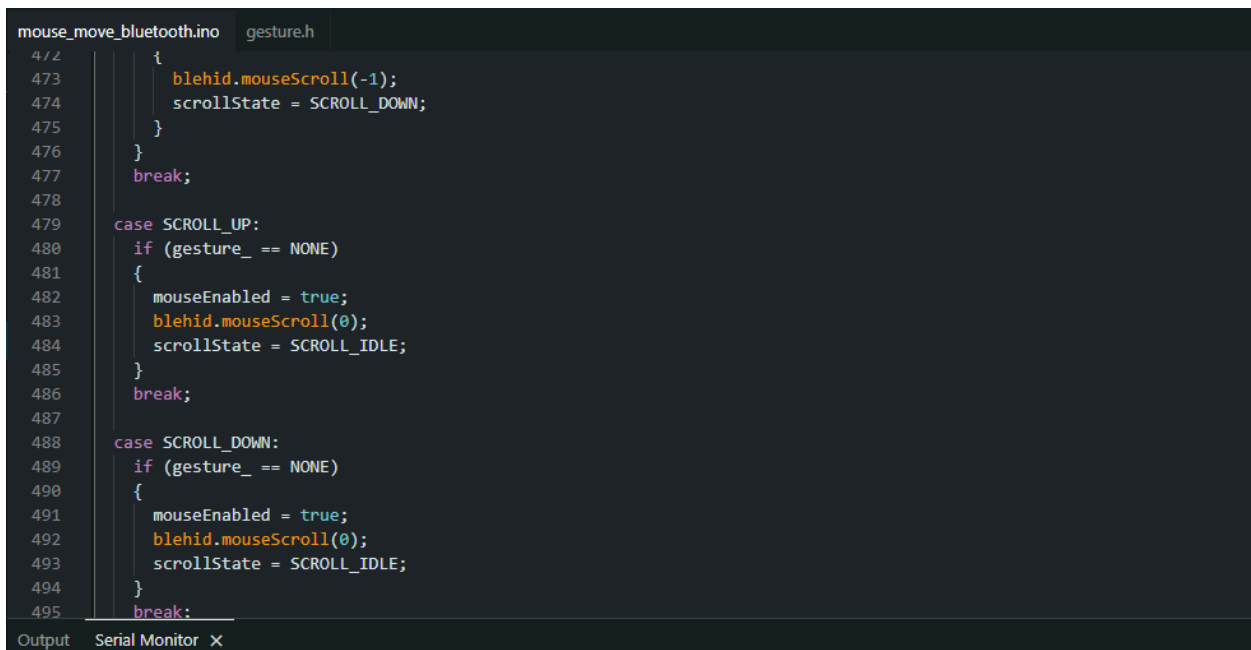**Team:** Powerglove
**Date:** 4/14/2025

## Current Status

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

| Task | Status | Time Spent |
|---|---|---|
| Helped code gestures detection | done | 5 hrs |
| Added accelerometer readings to track motion | done | 2 hrs |
| | | |

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



```
472        {
473          blehid.mouseScroll(-1);
474          scrollState = SCROLL_DOWN;
475        }
476      }
477      break;
478
479    case SCROLL_UP:
480      if (gesture_ == NONE)
481      {
482        mouseEnabled = true;
483        blehid.mouseScroll(0);
484        scrollState = SCROLL_IDLE;
485      }
486      break;
487
488    case SCROLL_DOWN:
489      if (gesture_ == NONE)
490      {
491        mouseEnabled = true;
492        blehid.mouseScroll(0);
493        scrollState = SCROLL_IDLE;
494      }
495      break;
```

*Figure 1: I helped Will create the gesture-sensing code*

2. What problems did you run into? What is your plan for them?

We had some trouble differentiating gestures since a lot of the finger movements can overlap with each other and trigger unwanted actions. We were able to solve this by refining some of the grammar in the switch statements.

3. What is the current overall project status from your perspective?
   a. We are just about finished. Just need to put the finishing touches on the glove to make it look nice.

4. How is your team functioning from your perspective?
   a. Pretty well. We have been collaborating very well in recent weeks to get a lot of stuff done.

5. What new ideas did you have or skills did you develop this week?
   a. Learned some more about sensor fusion.

6. Who was your most awesome team member this week and why?
   a. Grant and Will. Grant did a good job finishing the buttons and the code for it. Will was especially helpful and did a lot of work with the gesture code. The gestures would not be working if not for Will's efforts.

## Plans for Next Week
What are you going to work on this next week?

Work on the presentation. Put the final touches to improve how the glove looks. Do some more user studies and see if there are minor usability issues to improve.