

**Individual Postmortem – Ben Turner-Theijsmeijer**  
**Group 5 (section 2)**

**Individual Accountability Report (IAR)**

**Q1. Student Name:** Ben Turner-Theijsmeijer

**Q2. Student ID:** 1152536

**Q3. Associated Team Deliverable:** Final Deliverable / Sprint 4

**Q4. Team #: 5** (section 2)

**Q5. What were the main technical or methodological knowledge, skills and/or abilities (KSAs) that were required to complete this team deliverable? What prior courses or experiences (e.g. co-op, group project, etc.) from your Software Engineering degree did you draw on for these KSAs? (bulleted list is preferred):**

- Code Review, Refactoring, and merge conflict resolution – learned in 3760, and co-op
- Backlog/Story/Issue creation and management – learned in CIS\*2250, 3750, and 3260
- Front end development (HTML, CSS, and JavaScript) – learned in CIS\*2750 and 3760

**Q6. What was your existing level of experience with these topics/skills before your team began working on this deliverable? (1-2 sentences):**

Once again, due to the nature of the work in our chosen application, the required topics and skills continue to remain constant, carrying forward from past sprints. Because of this, going into sprint 4, I was well prepared and knowledgeable with the topics/skills required to complete the work.

**Q7. Comment on your individual KSAs learning during this deliverable, and what additional learning may be needed to understand or be more competent with these topics / tasks in the future?**

Development was entirely web-based, consisting of HTML, CSS, and JavaScript like all past sprints. This made development rather streamlined, as I only needed to further refine my skills rather than begin forming them from scratch. Each sprint I improve a little more as I come to understand new aspects or features. One issue I oversaw was getting our website deployed through GitLab pages; this required using a .yaml file and creating a build pipeline, which I had never done before, introducing me to new concepts. To grow further, I will need to expose myself to more literature and documentation on the topic of web development and the various nuances that come with it.

**Q8. What specific contributions did you make to this team deliverable? This should include technical or project management contributions.**

- **Project Management Contributions**
  - Defining, expanding, reworking, and otherwise editing the backlog of issue/PBIs
  - Deciding what tasks, we wanted to pull into sprint 4 and assigning work
  - Testing on my and other peoples work
  - Merge request review
  - Documentation on the team wiki
- **Technical Contributions**
  - *Issue #237* – Fixed long standing console errors we were getting in the console whenever the site was visited.
  - *Issue #117* – Fixed issue with high contrast theme and found bugs.
  - *Issue #279* – Got our website working on GitLab pages allowing anyone to use our site <http://groverio-to-do-list-77b0b5.pages.socs.uoguelph.ca/>.
  - *Issue #238* – Added mobile styling for home page, calendar page, and reviewed changes for board and to-do list pages.
  - *Issue #284* – Fixed issue with calendar related to time zones that would make it behave abnormally under specific circumstances.

**Q9. With whom did you collaborate for any of the above contributions (be specific – saying “all team members” is not sufficient. State which parts you worked on with whom)?**

#### **Project Management Contributions**

- Collaborated with the entire team on:
  - All backlog Issue/PBI work (lead by Jennifer)
  - Deciding what tasks, we wanted in sprint 4 and assigning work (lead by Jennifer)
- Individually worked on:
  - Testing on my and other peoples work
  - Creating and reviewing merge requests
  - Documentation for my issues on the team wiki

#### **Technical Contributions**

- *Collaborated with Sara on issue #117* – I worked to find bugs and get the CSS in high contrast elements working properly after Sara implemented the board.
- *Collaborated with Jennifer and Jeremy on issue #238* – I worked with Jennifer and Jeremy to get mobile styling working. I did the home page and calendar. Jeremy did the to-do list, and Jennifer did the three different board pages.
- *Individually worked on issue #237* – I worked to resolve several console errors that would be received any time that a user loaded the site such as adding missing favicons.
- *Individually worked on issue #279* – I worked to get our site hosted remotely so that we and anyone else that want to use the application can do so.
- *Individually worked on issue #284* – I fixed issues with calendar related to time zones that would make it behave abnormally under specific circumstances, such as displaying tasks one day behind in week view.

**Q10. Comment on how well you managed your time over the time period allocated in the Course timetable to this team deliverable (i.e. the time between the prior team deliverable to this team deliverable).**

For this sprint, I think I did a pretty good job at managing my time. I got one ticket done very early on into the sprint, began work on a second, and was actively reviewing MRs and providing feedback throughout the two weeks. The bulk of my work this sprint, namely issues #279 and #238, were completed late into the sprint due to the large workload that I also had in other courses and due to #279 being blocked by other in-progress tickets as it reworked the file structure. Issue #284 was also completed only the night before, as it was a bug ticket, and we did not notice the bug until right before we finished development work. Due to the nature of this being the last sprint, there was definitely more “crunch time” than we would’ve liked near the end, but I believe that this sprint was well managed overall.

### **Postmortem Questions**

**Q1. Overall Contributions to the CIS 4250 Team Project**

My Notable Contributions:

- Issue #4 – Refactor JavaScript Code
  - This work was notable because it consisted of a complete overhaul of the JavaScript as we broke down the functionality into multiple JS files in an object-oriented way that would allow for easier expansion throughout the remainder of the course.
- Issue #40 – Themes (high contrast)
  - We created a light theme, a dark theme, and my high-contrast theme (my addition). This was a notable contribution as it involved making new custom CSS for all elements on all pages.
- Issue #120 & #142 – CSS General File & CSS Refactoring
  - While there are technically two separate issues, their function was to simplify our CSS across the whole site. This was notable as our CSS files were getting quite bloated and difficult to work with. This freed our CSS files from redundant clutter to allowed for focus on page-specific details.
- Issue #279 – Create a GitLab Page to Host the Site
  - This ticket was notable as it was how we got our website deployed so that anyone with the link could visit and use it. It was not a large ticket, but it was instrumental in finalizing our design.

My Contributions That could be Improved:

- Being more active in asynchronous discussion about my work and the work of others.
  - To better facilitate teamwork, I should acknowledge the ongoing conversations in our group chat even if I am unable to help with them at the time they are occurring, letting other know I am in the loop.
- Issue #238 – Mobile Styling (calendar page)

- This was one of the last tickets we completed on the final day of development. I feel as though if we had more time to work on it, then the mobile layouts for all our pages could have been further improved.

## **Q2. Technical Skills**

### Web Development Skills (HTML, CSS, JavaScript)

- Coming into this course, I had almost no experience working with web development; I had only briefly touched on it in CIS 2750, where it didn't make any sense to me, and in CIS 3760, where we used it extensively but with PHP and Tailwind instead of JavaScript and Bootstrap. By the end of sprint 4, I would describe myself as a decent front-end developer. I say decent, as it still takes me a while to get things right, leading to me looking things up and how they work often.

### Project Management

- Coming into this course, I had previously worked in several development teams in classes such as CIS 3750 and CIS 3760, along with having two co-ops in agile development teams. By the end of the semester, I believe I learned a lot about working with an engaged team that wants to deliver the highest quality work possible. I feel after this semester I am ready and capable of joining the workforce as a full-time employee.

## **Q3. Resource and Project Management**

### Written Deliverables:

- I contributed to written deliverables such as the Initial System Design and Product Backlog Creation document by participating in the writing and editing of the documents.

### Team Presentations/Demos:

- I had very little to do with the project demos; Sara was the one that would make the demo slides and do the presentation for us each sprint.

### Project Planning:

- Each sprint we would have a project planning meeting run by Jennifer, who deserves the most credit, to determine what we wanted to work on, who would work on it, and what if any changes needed to be made.

### Project Coordination:

- We tracked our work through GitLab and a Discord server. We would use stand-up meetings both in person and online nearly every day of the week, and a comprehensive wiki to ensure that everyone knew what they were working on and what everyone else was working on.

### Time management:

- For time management contributions, I ensured that any issues I was assigned that would impact others work, such as blocking other developers from beginning work on their issues, were completed promptly to ensure others were inconvenienced as little as possible. Aside from that, I ensured that all issues assigned to me were implemented by the end of the associated sprint, with the exception of user-defined themes, as that issue was scrapped due to its complexity.