

CIS 4250 – Software Design V
Instructor: Prof. S. Scott
Individual Accountability Report (IAR)

Q1. Student Name: Ben Turner-Theijsmeijer

Q2. Student ID: 1152536

Q3. Associated Team Deliverable: Sprint 2

Q4. Team #: 5

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
 - 3760, and co-op
- Backlog/Story/Issue creation and management
 - CIS*2250, 3750, and 3260
- Front end development (HTML, CSS, and JavaScript)
 - 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):

To start off, this sprint I had prior knowledge from previous courses, group projects, or in co-op, and now also in previous sprints in this course as well. This gave me a good starting point from which to begin work, but this sprint I was able to use these skills again and even learn more. My skill with web development going into this project was not my best skill, so it has really given me the chance to improve my abilities.

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?

This sprint my work was entirely web development, with JavaScript, HTML, CSS, and the supporting tools that go with them, such as Bootstrap. As previously mentioned, my skills here were somewhat lacking due to my inexperience working with them. Again, I feel as though the concepts and skills needed to work with these languages were making sense to me in a way that previously eluded me, and it allowed me to better understand what we had, what we had to do, and how to go about actually implementing it. Taking on the high-contrast theme ticket (issue #40) was a really great way to learn more about this and UI/UX. I had never implemented anything like website themes before, and understanding how it all worked through the CSS was interesting to learn about, as it required me to research and problem-solve to find the answers to

questions I didn't even know I had before. Of course, with anything, there is still much for me to learn, such as ways to style and control elements that would likely blow my mind or Bootstrap functionality that makes web development much easier. The only way to learn is to try new things and test out ideas, so I believe to improve I must get more familiar with all the tools available to me and how to best use them to achieve a goal.

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 2 and assigning work
 - Testing on my and other peoples work
 - Merge request review
 - Documentation on the team wiki
- **Technical Contributions**
 - Issue #40
 - Implemented the High Contrast Theme for all pages
 - Refined CSS for dark theme
 - Created a way to switch to High Contrast Theme for all pages
 - Issue #47
 - Implemented a toggle to switch between 24 and 12 hour time format
 - Issue #57
 - Created scaffolding for implementing the filter by name functionality
 - Issue #84
 - Implemented the Sort & Filter Redesign

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
 - Deciding what tasks, we wanted to pull into sprint 2 and assigning work
- Individually worked on:
 - Testing on my and other peoples work
 - Creating and reviewing various merge requests
 - Documentation for my issues on the team wiki

Technical Contributions

- Collaboration With Jennifer and Sara on Issue #40:
 - Sara implemented the light and dark themes
 - Later I implemented the High Contrast Theme, fixed issues with the dark theme, and added a way to switch between them but was unhappy with how switching

between different themes worked so I asked for Jen's help to implement a better switching method.

- Jen reworked the JS, HTML, and CSS to make a new drop down instead of buttons to pick themes and implemented it across all pages
- Worked independently on Issue #47:
 - I added a way to toggle tasks between the 24- and 12-hour time status
- Collaboration with Jeremy on Issue #57
 - I built the scaffolding that the search feature would be built on
 - Jeremy implemented the logic on the back end
- Collaboration With Jennifer on Issue #84:
 - Jen and I worked together on the following with her piloting
 - finalizing filter menu design
 - implementing filter menu
 - adding ascending and descending icons to sort
 - I added a reset filters button

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).

- This sprint I believe I could have managed my time a bit better if I had decided to work on the project over reading week, but it was established in our group that nobody was expected to work over the break; you could, but by no means had to. Otherwise, I only began implementing code changes starting on Feb 25th, but once I began work, I worked away at my assigned issues consistently for several hours a day almost every day until the deadline to make sure that there was no rush to get everything in. Unfortunately, due to the fact that we had several large tickets that took the whole week to complete, merging became a nightmare, and work ran late fixing merge conflicts and other small bugs before finally finishing up around midnight on Mar 3rd.