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

Q1. Student Name: Ben Turner-Theijsmeijer

Q2. Student ID: 1152536

Q3. Associated Team Deliverable: Sprint 3

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
  - 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):

Due to the nature of the work in our chosen application, the topics and skills required have remained constant. Because of this, going into sprint 3, I was well prepared and knowledgeable with the topics/skills required to complete the work, as I had four weeks of prior experience this semester working with this codebase and these skills.

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?

Like last sprint, my work this sprint was entirely web development. With work consistent across sprints, it makes it easy to improve in these areas quickly and effectively, especially when working with a team. Last sprint I was getting more comfortable with web development, HTML, CSS, and JavaScript; at this point in the semester, I feel fully comfortable with doing web development. This sprint, along with Jennifer, I tackled the CSS refactoring issues #120 and #142, where we took all related and overlapping CSS elements and combined them into one general.css file. This allowed us to cut down drastically on the amount of CSS that we needed to have and standardized elements across pages. This was a great ticket for learning more about UI/UX and code management. With web development, there is no skill ceiling, and there is always more to learn or a different way to render pages. To better understand web development

and improve my skills, there are several avenues that can be explored, such as reviewing different web development paradigms, looking at the designs of other developers, and continuing to try new things in my own work.

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 3 and assigning work
  - Testing on my and other peoples work
  - Merge request review
  - Documentation on the team wiki
- **Technical Contributions**
  - Issue #120
    - Moved all general CSS into the CSS general file
  - Issue #142
    - Removed and reworked the other CSS files to accommodate the new CSS structure
  - Issue #220
    - Added a column to the Board View page that displays incomplete tasks that have an overdue date
  - Issue #231
    - Fixing bugs with the to-do list page regarding setting time and recurring status on tasks without a specified date

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 to pull into sprint 3 and assigning work (lead by Jennifer)
- 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 in issue #142:
  - I worked with Jennifer to refactor the CSS files after much of the general CSS was moved to minimize the amount of code required to display our application.

- Worked individually on issue #120
    - I moved all the CSS that is used in more than one file into the new general.css file
- Worked individually on issue #220
    - I added a column to the board view page that only shows when you have overdue incomplete tasks. This column displays these tasks to the user.
- Worked individually on issue #231
    - I fixed some bugs related to the ability to set a time or recurring status on tasks even though they did not have a date set.

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 my work was well managed. The CSS General file and refactoring needed to be done early so that it did not block the others as they worked through their issue. I began work on March 6th and completed my contribution to #120/#142 on March 8th. To avoid merge conflicts these tickets were done very early into the sprint. After that was done, I did not do much development during the week that followed, instead focusing on meetings and reviewing others merge requests as I was sick for the majority of the week. I began work on #220 on March 14th completing it the same day. Finally, bugs were discovered late Sunday March 16th and to address these I completed issue #231 Monday March 17th afternoon. Over the course of the sprint, I allocated time almost every day to review the changes that had been made, stay up to date, and engage with the group. I believe that this sprint was well managed and an improvement over sprint 2 in terms of time management and workflow.