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

Note. Refer to the Project Manual for detailed instructions for IAR submissions.

Individual Accountability Report (IAR) Template
The following questions MUST be included and answered completely for each submitted IAR.

IAR must be submitted one of the following file formats: text or PDF.

Q1. Student Name: Tyler Ykema

Q2. Student ID: 1062564

Q3. Associated Team Deliverable: Milestone 0

Q4. Team #: 7

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):

Technical Knowledge:

- Reverse engineering skills
    - I have had some experience with reverse engineering from previous course projects and some coop placements.
    - The majority of this is from having to add new features to existing code bases, for example, one of my coop placements was with the cooperators and I had to learn how to add new features to the insurance software Guidewire.
- UML modelling and analysis
    - I have gotten lots of experience with UML diagrams from software design 4 and HCI which I took last semester and had to create many different diagrams in each course to develop new applications.
- Knowledge of UI and usability features –
    - I have a moderate amount of experience with UI and usability from previous courses such as HCI and User interface design
    - In both courses, we learned many things about how to design and develop effective UI and usability features.

- Creation of user stories and tasks
    - I have gotten lots of experience with creating user stories from previous courses like software design 3 and 4 as well as from my coop placement where we had to create many user stories and tasks based on the business requirements we were given.
- Knowledge of Git
    - I have used Git or similar versioning control systems since my first year, so I have become very familiar with how these systems work
    - I have used Gitlab for school and Bitbucket for my coop placements which are both using Git's distributed versioning control systems

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

I have on average about 1 year of experience with these skills before starting to work on this milestone. The UML diagrams are where I have the least experience with most of that experience coming from last semester's software design 4.

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?

For this milestone, I had to learn how to the creation of issues/tickets work on Gitlab. Also, I think having a better understanding of UML diagraming would be beneficial as it takes me some time to understand how to read and create UMLs from scratch.

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

For this milestone, I spent most of my time working on the analysis and recommendations for our application Moonwalk. The other developers and I focused our time on these while the product owner and agile coach were focused on the backlog creation and the two overview sections for the deliverable.

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)?

For the creation of the analysis and recommendations the other developers, Alex and Parth Patel, and I collaborated to brainstorm ideas and compose the final versions. All team members were consulted on our ideas since the backlog creation was dependent on the analysis and recommendations.

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).

I believe we managed our time efficiently and got most of the work required done during the later lab times. We started working on this deliverable at the lab following the submission of the team contract and proposal.