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 in one of the following file formats: text or PDF.

Q1. Student Name: Jeremy Critoph

Q2. Student ID: 1140798

Q3. Associated Team Deliverable: Sprint 0: Initial System Design and Product Backlog Creation

Q4. Team #: Section 2 Group 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):

Knowledge / Skills / Abilities	Prior experience
Codebase analysis	I have learned some skills for analyzing codebases through investigating repositories made by co-workers during my co-op work terms.
UML diagrams	I learned how to create UML diagrams in CIS*3750 and these skills were further enforced in CIS*3260.
Professional document writing	This wasn't a skill that was directly taught in any previous course I took, but I have probably picked up some level of writing and formatting skills throughout school and university.

Writing user stories	I think I first learned about user stories in CIS*2250, (not entirely sure). I learned more about user stories and created many of them in CIS*3750.

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

Knowledge / Skills / Abilities	Level of experience
Codebase analysis	**Low-Medium**. I have some experience but not much.
UML diagrams	**Medium**. I have created many UML diagrams in previous courses, but still don't have all the main rules and standards memorized.
Professional document writing	**Low-Medium**. I didn't have much experience with writing or formatting professional documents prior to this course.
Writing user stories	**Low-Medium**. I do have some experience with user stories from past courses, but I have never used them in an actual workplace setting as I know several group members have.

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?

During this spring I gained skills in analyzing codebases. understanding and creating diagrams for the existing code of our chosen app helped me gain skills in this area. I also gained skills in writing professional documents.

I still require more studying to improve at writing user stories and writing professional documents. I am very slow at writing and more focus on those would lead to improvement.

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

Initial system Design Report contributions
- Contributing to section **1.1 - Overview of current system**

- Contributing to section **1.4 - Usage scenarios**
- Contributing to section **2.4 - New and improved design goals**
- Writing explanation for section **3.2 - Function diagram**
- Creating diagram for section **3.2 - Function diagram**
- Contributing to section **5.1 - Software design improvements**
- Contributing to section **5.2 - New system functionality**

Product backlog contributions
- Created 4 of our user stories for the backlog and added to Gitlab
- Contributed to creating and editing table in section **6.0 - Product backlog**

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)?
Most of the above work was done individually for this sprint, even while we were together in-person. All of my contributions were either building on the work of other group members, or were later built on by other group members after I completed them. We all looked over all of each other's work and made tons of changes.

Some parts were done collaboratively:
- **Story pointing** - Assigning point values was done with ALL group members
- **Going over all stories and discussing changes -** ALL group members
- **Usage Scenarios** - Worked with Emily and Jen

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 think I managed my time well considering the amount of things I had going on in other courses. I finished my tasks we set out before each of our group meetings.

A very large amount of work was done on the last day, but this was not due to a lack of time management as the work only came up after talking with Professor Scott on the day it was due and finding out our current report (which we thought was ready to hand in) missed the mark in several areas. After receiving this advice, we decided to spend the rest of the day on reworking and expanding our report.