<p align="center">**CIS 4250 – Software Design V**
Instructor: Prof. S. Scott
Individual Accountability Report (IAR)</p>

Q1. Student Name: Melissa Chinnick

Q2. Student ID: 1009647

Q3. Associated Team Deliverable: Sprint 4

Q4. Team #: Section 1 Group 4

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):

- React – experience from co-op terms

- GitLab [Wiki] – experience from previous software design courses

- GitLab [Milestones, Issues] - experience from previous software design courses and co-op terms

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 a little experience using GitLab to organize projects in previous software design courses and through co-op.

I have a few years worth of experience using React through co-op.

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?

I did some research into methods for randomizing an array of values and ways to create a custom tooltip through styling.

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

a) I worked on displaying the user's correctness score on the dashboard.

b) I worked on randomizing the flashcard order.

c) I collaborated to complete the sprint progress.

d) I reviewed the team post-mortem.

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)?

a) I discussed the design of the correctness score progress bar with Matthew and Nelith.

b) I collaborated with Matthew, Corey and Nelith to complete the sprint progress wiki page.

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 did an okay job managing my time during the sprint.

I worked on updating the dashboard to display the "correctness score" – the percentage of cards the user got correct out of all their attempts in the unit. After creating an initial design, I got feedback from my group and implemented a tooltip that appears when the user hovers over the progress bar to break down the attempts that make up the correctness score displayed.

I then worked on randomizing the flashcard order. First, I did some research into methods of randomizing arrays and then I tried applying them to the flashcard order. Then, I decided that using the "numbers" unit would be the best way to test if the randomizing worked. I used it to iron out the behaviour of the randomize order button.

Since I finished my tasks much earlier than the rest of my team, I also made some time to review my teammates code on GitLab before approving it to be merged.

During our final team meeting before the demo, I collaborated with the rest of my team to work on the sprint 4 progress and to practice on how to demo the sprint work. Then, after the demo I collaborated with my team to work on the post-mortem.

Individual Post-Mortem

I believe my contributions to GitLab were particularly notable for keeping track of our documentation and planning details. Additionally, my contributions to the dashboard were significant in creating it and making it easier to maintain.

I believe my contributions to the presentations and the leadership/team management tasks could have been improved. I could have been more active in giving presentations and taking on leadership roles, but instead left those roles to members of my team that seemed more comfortable doing the related tasks.

I strengthened my design and project management skills throughout this project. Specifically, I gained more confidence and skill working with project documentation and creating class diagrams.

I believe my technical skill levels started and ended as experienced. Most of the technical skills I required for this project are ones I have used in previous projects and in coop experience. I would not say I am a master using my skills, as I feel that there is always room for improvement or learning something I did not know before.

I contributed to written deliverables generally by collaborating with my group during meetings. We would either break the requirements into sections and work individually before collaborating to bring everything together, or we would discuss the topics as we discussed and do the typing for the document.

I contributed to the presentations by collaborating with my team to put together the slides with details of our progress made during the sprints.

I contributed to project coordination and planning by being active in discussions about tasks and assisting in creating the tickets on GitLab. I also initiated the creation of the GitLab project, the wiki, and the milestone issue groups. Additionally, I did my best to let the team know what I was working on and what progress I made on my tasks so that we could coordinate our efforts on the tasks.