

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

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: Tony Ngo

Q2. Student ID: 1142414

Q3. Associated Team Deliverable: Sprint 1

Q4. Section #2, Team #: 8

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):

KSAs (knowledge, skills and abilities):

- Communication and collaboration skills to split tasks up and to brainstorm child tasks
- Knowledge of TypeScript and Javascript was required
- Front-end development skills
- Built-in tools for Typescript such as hooks, states, hotkeys, etc...
- Working in large codebases (tracing dependencies, sub-components, etc... to ensure no issues arise in our code implementations)
- Version control
- Agile experience to meet deadlines appropriately

Prior Courses & Experience:

- Co-op experience with front end, full-stack, and web development, using frameworks like Vue and React
- Some front end development was taught in software and software design courses
- Experience from personal projects using Typescript and relevant frameworks such as React
- Co-op and school experience (from previous courses) in Agile

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 relative experience in front-end development, using Javascript frameworks such as React, Vue, and Next before. Also, I have used Typescript in personal projects previously.

However, I am a lot more confident and knowledgeable in back end systems and software. Because this project is predominantly front-end focused, there was less familiarity with the skills and topics involved but there were no issues contributing as I was learning or remembering topics as I progressed.

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?

In this deliverable, I learned most about using and implementing Typescript. Paired with Typescript, I learned a lot about hooks, and hotkeys for web applications. Overall, the majority of my learnings for this deliverable was focused on front-end topics. Additional learning will be required on Typescript and other front-end specific topics as we progress to the new sprint with different sprint issues. Another key topic for additional learning will be APIs as we are aiming to implement API calls for AI in future sprints

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

- Helped with planning / brainstorming a solution for the language translation ticket
- Created a shortcut to copy or duplicate a transaction in the Account / Transaction page
- Modified the “redo the last undone change” shortcut
- Updated the shortcut menu guide on the web application to accurately reflect the shortcut changes
- Code reviews on merge requests
- Helped maintain version control for the sprint branch and ensuring no conflicts

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)?

- I collaborated with Anthony and Andrew on the language support issue
- I collaborated with Jake on the Keyboard Shortcuts issue
 - I worked independently on the “redo the last undone change” shortcut and the copy / duplicate shortcut
 - I worked with Jake to update the keyboard shortcut menu / modal

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).

Given that I was physically sick for the first week of sprint 1, I believe that I managed my time moderately well. While sick, I spent time to better understand Typescript as a language and some front-end specific topics for language translations and keyboard shortcut implementation. During the weekend, I started to feel better physically, and was quick to make code contributions. I was able to make most of my contributions on the weekend, helping with the keyboard shortcut tasks. I was also involved in discussions with the language translations, with Andrew over the weekend. Reflecting on our burndown chart though, I believe there are some improvements that can be

made with our time management as a group and personally I will aim to work on tasks sooner as well.