

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: Jake McAuley

Q2. Student ID: 1060842

Q3. Associated Team Deliverable: Sprint 3

Q4. Team #: Section 2 Group 6

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):

- I utilized react, mongodb and node.js KSA's for this sprint
- I had significant experience in this sprint from the previous sprints this semester
- I also had significant experience in these technologies from personal projects completed in the past, including full-stack web applications.

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

- I had junior/intermediate level experience in these KSA's from various school experiences as well as solo projects creating Full-stack web-applications.
- The specific libraries utilized in this sprint (Location based services as well as time-zone services) were new to me.

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 don't believe I learned a massive amount from this sprint, other than utilizing location based services within the React ecosystem.
- In order to become more competent in these tasks, it would be necessary for me to understand how these libraries work 'under the hood.' As it stands, my competency only

extends to the ability to utilize these libraries API without necessarily knowing how to engineer the packages myself.

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

- I implemented the location based services, such as live-timezone updates for user accounts. I also implemented country based services, and translating from countries to country-flag emojis. These tasks required me to utilize location based service packages as well as creating a reusable react component that allows one to use this location based service.

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 Eddie on fixing merge conflicts between the Message Reply branch and the Sprint3 main branch
- I collaborated with Ike to manually merge the Message-Reply branch into Sprint3

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).

- My time was managed well this sprint, with a majority of the contributions occurring mid-week - with smooth transitions between research, preplanning, and implementation. My pre-planning was significant enough to be able to implement the entire user-story in a short time without major revision.
- Unpredictable circumstances, such as the merge conflicts that occurred at the end of the sprint (Mar 16, 17) made a time-crunch necessary. In the future, merges should be done well before deadlines due to their unpredictability.