

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 2

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):

- This team deliverable required extensive front end (TailWind CSS, CSS, JS) knowledge
- React Knowledge
- Node.JS Knowledge
- And MongoDB knowledge
- I drew on significant full-stack developer experience from various personal software projects, including full web-apps

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

- My level of experience with these topics/skills was significant due to personal projects utilizing the mern stack. That being said, my experience working with the code base from sprint 1 significantly helped me complete my specific tasks.
- Growing used to the tech-stack in sprint 1 gave me the confidence to execute my vision more efficiently - I now know where to go and how to “slot” new features into the tech stack while keeping its design and engineering principles.
- While not a general KSA, I now have domain knowledge of this tech stack on which to draw from.

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 have never before made a key-word based resource return function. Making a search bar helped me to understand how to quickly and efficiently query a MongoDB database based on multiple search criteria.
- Query-based search functions were something I had not yet had experience with before, making this a very powerful learning experience for me.
- I have learned a lot about the specific architecture utilized by the existing project, namely, the powerful react-hook based architecture.

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

- I designed and implemented a profile-search bar based feature.
- In order to implement this, I had to design the search bar on the front-end, and design the resource return box on the front-end.
- I connected the front and backend together by creating an end-point that returns results based on a URL query. This returns results based on two criteria in order of priority.
- I made the returned profiles navigable by redesigning how profiles are loaded on the front end, a technology that is now utilized site-wide.

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 by merging our respective branches and bug fixing shared issues.

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).

- Time was managed well during this sprint - many features were implemented and in good time.
- I completed my work early and efficiently, which allowed my team to pivot and utilize my new features in their respective features.
- I had my features merged, tested, and refactored operating two weeks before the due-date. I could not be happier with how time was utilized this sprint.