

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: Naza Anyaegbunam

Q2. Student ID: 1158144

Q3. Associated Team Deliverable: Sprint 2

Q4. Team #: Group 6 Section 2

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):

- ☐ Refamiliarizing myself with how React and JS work together
- ☐ Understanding Tailwind
- ☐ Refamiliarizing myself with the MongoDB database.
- ☐ Translating technical requirements into clear documentation.
- ☐ Coordinating tasks with team members and integrating components effectively.
- ☐ Using GitHub for version control and code management.
- ☐ **CIS*2170+CIS*4300:** Implemented user-centric functionality using hooks.
- ☐ **CIS*3530:** Gained experience with database design and modelling
- ☐ **Co-op Placements:** Collaborated on scalable web applications and integrated real-time features.
- ☐ **Group Projects:** Designed end-to-end solutions and managed full-stack integrations.

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 a good knowledge of React and MongoDB this sprint. I had to refamiliarize myself with controllers and the react toast function but besides that I had a pretty good knowledge of what we had to do. Ran into some issues but worked closely with my team members to resolve those!

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?

Throughout this deliverable, I have significantly enhanced my knowledge, skills, and abilities (KSAs) in several areas, particularly in full-stack development, API integration, and debugging. I gained a deeper understanding of how to structure and manage both frontend and backend components of a web application, including handling user authentication, real-time messaging, and profile management. I also improved my ability to debug complex issues, such as resolving errors related to invalid ObjectId values and ensuring proper communication between the frontend and backend.

However, to further enhance my competence, I need to deepen my understanding of advanced state management techniques, optimize backend performance (e.g., database indexing and query optimization), and explore more robust error handling and logging mechanisms. Additionally, learning more about testing frameworks would help me ensure the reliability and stability of the application in the future. Overall, this deliverable has been a valuable learning experience, but continuous learning and practice will be essential to mastering these topics.

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

- Added the “add friend” button to the front end.
- Worked with Eddie and Dawoud to fix the button when sending requests.
- Made the button dynamic to show when 2 users are friends
- Made some minor changes to the friends list display on the profile.
- Updated MongoDB user model/database to include friend requests field.

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)?

- Worked on the add friend button individually
- Worked on the sending requests function of the button, with Eddie and Dawoud
- Adding friends individually

- Minor friends list display with eddie
- Database changes individually
- Updated issues in Gitlab along with Jake, Ike, Eddie, Dawoud

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).

Our time was managed properly in this sprint. Great communication and we were able to help each other out each other when we needed any help! We were able to get stuff started/sorted out in time as well!