

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: Ike Agbaje

Q2. Student ID: 1125093

Q3. Associated Team Deliverable: Sprint 2

Q4. Team #: 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):

In this sprint, much like Sprint 1, I needed a deep understanding of the existing codebase and database to implement modifications effectively. However, unlike the previous sprint, I worked on both the frontend and the corresponding backend of the user story I was assigned. I applied my experience with React, JSX, and TailwindCSS with DaisyUI from earlier sprints, while also leveraging my knowledge of JavaScript from CIS2750 and CIS3760. Additionally, I conducted personal research on MongoDB queries and applied Asynchronous Programming and HTTP & RESTful API communication concepts from CIS*3760.

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

Before this project, I had no experience with React, JSX, or TailwindCSS with DaisyUI. However, after learning and applying them during Sprint 1, I became much more comfortable with the experience gained in those 2 weeks to more easily apply them in this

sprint. I had little experience with REST, but it was enough to apply this sprint. I didn't have any experience modifying a MongoDB database, however, I have some experience with SQL and JSON queries from previous classes and co-ops so it was quite easy to transfer the knowledge and experience to MongoDB.

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?

This sprint, I learned how to modify a MongoDB database, understand the connections between different backend components and API calls, and apply them in the frontend. Looking ahead, gaining a deeper understanding of the JavaScript used in backend components will be beneficial, as it will help me make updates and modifications more efficiently. Since I was just learning how API calls were connected in this sprint, it took some time before I could start implementing changes, and I encountered several errors along the way. However, as I become more familiar and competent in this area, I'll be able to complete tasks more quickly and contribute even more effectively.

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

- I added an edit profile page component to our app.
- I also helped implement the frontend design for that page based on the profile page:
 - o Added the edit button to the profile page and on navigating to the edit page, added API calls to populate the editable fields by default with the current info.
 - o Added the save button to apply the new changes to the database.
- I modified the backend code by adding the corresponding controller JS file and updating the routes.
- I modified the user model in the backend to include the new fields and updated the MongoDB collection to reflect that change.

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 didn't collaborate with any team members on implementing the code for the above changes, but during one of our final team meetings, Eddie merged the updates into our main Sprint 2 branch. We worked together to ensure the merge was successful and that I had included all the necessary changes and files in my branch.

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).

- We managed our time this sprint better than sprint 1 which was good. We were able to all have our tasks completed by early Monday so we could meet to converge the changes and discuss/plan for our demo.