

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: Adhyayan Bhandari

Q2. Student ID: 1135943

Q3. Associated Team Deliverable: Sprint 2

Q4. Team #: 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):

- MongoDB + Express.js: No prior courses or experiences.
- React: Knowledge gained during past Co-op experiences, especially during WT5.
- Javascript: Knowledge from CIS*2750 as well as my WT5.

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

- I wasn't familiar with MongoDB or the express Framework which is what our backend consists of. I had to do more research and watch a few tutorials in order to get up to speed with these topics.
- I had extensive knowledge with React.
- I had working knowledge with native Javascript.

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 improved on my knowledge of creating and using React Hooks. Need to continue practicing and keep on the refining this skillset.

- Needed to understand core Javascript related concepts since I had to create the UI/context menu for pinning messages which requires knowledge of the DOM and how to trigger certain functions when the user performs a certain actions (ie. right click). I used W3 schools to brush up on these fundamentals.

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

- Updated the MongoDB User model to include store pinned contacts and friends list
- Created five additional api endpoints and corresponding React Hooks to get pinned contacts, pin a contact, unpin a contact, get list of friends, adding a friend
- Created the UI interaction to enable user to pin and unpin contacts, as well as adding friends list to the profile page.
- Agile Coach - Led scrum meetings, managed agile board, demo presentation

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)?

- Collaborated with Naza on a bug for adding friends and getting that functionality to work.
- Remaining tasks that I completed were done independently.

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 throughout the sprint. Due to scoping issues the team had to pivot in order to focus our attention to the core functionality of friends list instead of implementing notification/requests. There were some design challenges that we encountered because of the scoping issues, but we communicated very well in order to limit the confusion. I was able to execute most of my tasks earlier on in the sprint. This allowed me to collaborate with Naza, on a last minute bug. Any additional time I had, I spent updating the team wiki in order to demonstrate what tasks I worked on.