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 1

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):

- MVC Architecture: Learned during CIS*3250 in depth.
- MongoDB + Express.js: No prior courses or experiences.
- React: Knowledge gained during past Co-op experiences, especially during 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 had in depth knowledge of the MVC framework from CIS*3250
- 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.

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 got a lot more familiar and comfortable with creating and using React Hooks. Although I have experience with React, creating hooks to interact with MongoDB or databases was a new KSA that I feel I got a lot better at.

- MongoDB is a NoSQL DB so it's a lot different than some other DB's like MYSQL. There was a lot of time put into learning how to utilize the MongoDB UI, setting up the connection of the DB in my local VSCode Environment, and then also interacting with it using native commands.

- I had to understand the mechanics of how Express.js works, more to do with syntax rather than fundamental concepts, such as learning how routing works invoking different types of HTTP requests.

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

- Updated the MongoDB model in order to support new user attributes like email and phone number and remove attributes like full name(replace with first and last name attributes). Refactored different components that referenced old attributes.

- Created. 2 new HTTP endpoints in order to support getting and updating user profile details

- Revamped the sign-in page in order to support the new user attributes and to stay consistent with the design of the rest of the site.

- Added a navigation bar that allows the user to go to Home page as well as the Profile Page

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 Jake on the User profile picture lifecyle – I was primarily responsible for ensuring that the profile picture would be refreshed once uploaded.

- Collaborated with Naza and Ike – Ensured that the navigation bar was consistent with the site wide design.

- 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 very well throughout the sprint. There was a bit of confusion in the beginning of the sprint in regards to the overall timeline we had since the sprint was technically shorter than we anticipated. But we quickly got our tasks assigned and I was able to execute most of my tasks earlier on in the sprint. This allowed me to collaborate with Jake, Naza and Ike on some shared tasks/debugging in order to help the team reach their goals. Any additional time I had, I spent updating the team wiki in order to demonstrate what tasks I worked on, as well as some common guidelines to aid in future development.