

**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: Parth Patel

Q2. Student ID: 1047507

Q3. Associated Team Deliverable: Sprint 3

Q4. Team #: 7

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):

- React Native development practices
- Scrum techniques
- Best practices for structuring databases
- Firebase database requests (read and write in realtime)

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

The previous sprint had given me exposure to mobile development in React Native. I am also comfortable with Scrum techniques. I have had previous experience with database designs and structures but Firebase's realtime database is a bit unconventional due to their tree structure. This made it a little difficult to implement my existing database skills.

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 had to do supplement readings to understand parts of the React Native framework, specifically rendering components in realtime in correlation with the database. I did not have to do much learning for Scrum techniques as it was mostly known practices from the previous sprints. I did

have to do some readings on how Firebase structures its realtime database so we could design our database.

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

I worked on helping complete a couple of the tickets we had carried over from the previous sprint. This included populating saved articles into the UI. I helped finish this by adding functionality so the UI populates with saved articles saved to the user's profile in realtime. I also worked on designing the database. I worked on displaying articles users added to the shared list. This included building the UI and reading from the database which articles they had saved to their shared list.

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)?

For the tickets from the previous sprint, I communicated with Mahimna on this as he had set up the UI and dummy data we were using previously to populate the saved articles into the UI. I worked with Parth Miglani to come up with a database design that suits the needs of our application. Lastly, I helped Tyler a little as well to try and figure out how to let the user save articles to specific shared lists.

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).

I personally could have been more vocal to understand where everyone else was with their progress. Not doing so led to poor time management since some of my tickets were dependent on the completion of others. As a team, we did not do a great job managing our time during this sprint. We have already had a meeting to discuss steps and a plan to avoid this from happening again.