

CIS 3760 – Software Engineering
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: Siri Chandana Kathroju

Q2. Student ID: 1002780

Q3. Associated Team Deliverable: Project Milestone 3 (Sprint 3) + Sprint Retrospective

Q4. Section#, Team#: Section 2, Team 3

Q5. What were the main technical or methodological concepts and/or skills that were required to complete this team deliverable? (bulleted list is preferred):

- Understanding Mobile (Android) Development
- Getting comfortable with React Native and SQL
- Implementing agile software development
- Demonstrating leadership, collaboration and responsibility as a Scrum Master and teammate
- Setting goals for the team

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

I'm getting familiar with mobile development and React Native, so I'm not having much difficulty understanding what is happening. I also got familiar with Android Emulator, but I've been using an Android device instead of the emulator because it was more convenient. I experienced teamwork and collaboration before working on deliverables through past courses like Software Design I, II and III and work experiences.

Q7. Comment on your individual academic, methodological, or technical learning during this deliverable, and what additional learning may be needed to understand or be more competent with these topics in the future?

For this deliverable, I watched React Native and mobile development tutorials and brushed up on SQL. This time, I spent researching more about creating line charts in React Native based on the database's data. I looked into the libraries that were compatible with this framework and

figured out ways to make charts display various components. I'm comfortable with creating line charts and will continue to work on charts in the next sprint.

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

As a Scrum Master, my contributions included keeping the team on track, providing assistance to team members when needed, hosting the team and scrum meetings, delegating the tasks evenly among team members and updating the group with announcements. I constantly updated the wiki with information, managing GitLab by moving the user stories around and reading the deliverable and rubric numerous times. Most importantly, I had to plan out Sprint 3 with my group before starting it, such as figuring out which user stories to complete. As well as providing constant feedback and communicating with everyone right away.

In Sprint 3, I contributed to several parts, including creating user interface elements, breaking our Sprint 3 user stories into manageable tasks, assigning them to the team on GitLab, and writing the "How to Demo, Acceptance Criteria," and updating the product backlog. I also created test cases, documented the process, and contributed with Srinath to demo the completed user stories in the lab.

Q9. With whom did you collaborate for any of the above contributions (be specific)?

We all worked together and contributed to every component in Sprint 3. I collaborated with the entire team by discussing the project requirements and what is expected from us. This included project goals, the "Definition of Done," and figuring out what user stories will be done in Sprint 3. It also breaks down the user stories into manageable tasks and makes adjustments to the product backlog. We had several scrum meetings where we discussed things we were going to do for that day and the next day. Everyone assisted each other when stuck on the code base and if errors popped up in the emulator. I also collaborated with Srinath to demo our completed Sprint 3 user and tech stories in the lab.

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).

As a Scrum Master, I've managed my time and the group's time exceptionally well in this Sprint. We were able to accomplish our goals and definition of done as the application runs as expected and completed our user stories. As a group, we discussed the required tasks and what needed to be complete before every meeting. I delegated each of the tasks in Sprint 3 to every member, and for the parts where we needed to work together, I set up 1-2hr meetings to get the tasks done. These meetings were strictly for the tasks that required the entire team and discussed the following tasks to be completed. We spent the last few days merging our code to the master branch, uploading our testing documentation to GitLab and finalizing our wiki information. I also finished this time preparing for the Sprint 3 demo. Thus, I can say that I've managed my time and my group's time exceptionally well.