

Q1. Student Name: Mahimna Pyakuryal

Q2. Student ID: 1014826

Q3. Associated Team Deliverable: Sprint 0

Q4. Team #: Group 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):

- Utilizing UML diagrams to gain better insight into the individual components' roles in the entire application
- Utilized my experience with react to breakdown the react-native application and understand the general structure of the application.
- Utilized my knowledge of UI design to suggest potential improvements to the current application's user interface design
- Used my past experience with the agile software development process to help create user stories, tech stories, and prioritize these based on relevance to our central business outcomes

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

- The general topics and skills required to analyze and then suggest further improvements to the base application were not new, and given the current application's minimal codebase, my experience level was adequate for the sprint.

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 was able to compare and contrast the differences between react and react-native while attempting to breakdown the existing application
- The differences, while not being very drastic, do exist. Because of this, I will need to do more research into the react-native framework.
- I previously had trouble distinguishing between tech and user stories, but having worked through sprint 0, I have a much better understanding of the difference.

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

- Helped analyze and establish our central purpose with our expansion and modification attempts
- Made additions to proposed functionality
- Helped with the system design model

- Helped with the analysis
- Worked on the project backlog and ensured that they were related to the design recommendations in the documentation, through effective communication techniques
- Helped prioritize the backlog based on our centralized purpose for the application
- Assisted in editing the document and ensuring that the various sections of the document were not conflicting and that the document flowed well throughout

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)?

- Establishing our centralized purpose was done with all members of the group through a brainstorming session followed by curating these ideas that seem to follow a centralized theme (i.e. app intended for astronomy enthusiast and rocket launch observers)
 - **no way to break this down by individual as this was worked on by all members**
- Proposed functionality was also done by brainstorming functionality that seems to tie to our centralized purpose, then breaking them further down by priority and scope
 - **no way to break this down by individual as this was worked on by all members**
- The project backlog was primarily worked on with Parth M., but this section was heavily dependent on the design suggestions made, so thorough communication was required with Tyler and Parth P.
- The analysis was worked on with Parth P and Alex, and involved taking the concepts discussed in our brainstorm session and formalizing them.

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 effectively as we all attended every lab, worked throughout the entire session on well delegated tasks, and ensured we left each lab understanding what still needed to be accomplished. This allowed us to monitor progress in our labs to ensure we were on track to meet the sprint 0 deadline. This effective organization also allowed us to reach out for clarification multiple times to ensure the best possible document was being produced. This also allowed us to minimize the time we needed to work on sprint 0 outside of the labs, which gave us free time to further analyze the app and gain better insights into the developers initial intentions.