

**CIS 4250**

**IAR #3**  
**Sprint 1**

**Software Design V**  
**Instructor: Prof. S. Scott**

**Q1. Student Name**

Rashi Mathur

**Q2. Student ID:**

1125349

**Q3. Associated Team Deliverable:**

Initial System Design Design and Product Backlog Creation

**Q4. Team #:**

Section 2, Group 8

**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):**

Main technical/methodological KSAs:

- Design Principles
- Ability to understand the codebase
- Typescript
- Creating project backlog
- Estimating task time
- Documentation

The previous courses I used to draw on for these KSAs were:

- CIS\*3250 (Software Design 3)
- CIS\*3260 (Software Design 4)
- CIS\*3750 (System Analysis and Design in Applications)
- CIS\*3760 (Software Engineering)
- CIS\*4300 (Human Computer Interaction)
- Previous internship experience

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

This week was a bit challenging for me as I had to lead as the Agile Coach. We had to add child tasks and be flexible as we realized that our initial sprint

planning left out certain things. Technically as well I had to catch upto frontend skills.

After working on this deliverable I have learned to have a better sense of sprint task management and working in TypeScript.

**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?**

- During this deliverable, I gained a stronger understanding of sprint task management, particularly in adapting to changes in sprint planning and refining our backlog with child tasks. Leading as the Agile Coach helped me improve my ability to manage team workflows and facilitate collaboration. Additionally, I expanded my technical knowledge by working with TypeScript and improving my understanding of the frontend codebase.
- To enhance my competency in these areas, I would like to further develop my frontend skills, particularly in working with modern TypeScript frameworks and best practices. I also aim to deepen my knowledge of Agile methodologies, such as more effective backlog refinement techniques and sprint retrospectives, to better anticipate and manage workflow adjustments in future sprints.

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

For this team deliverable, I contributed both technically and in project management. My technical contributions included working on the keyboard shortcuts user story, ensuring functionality and integration within the project. Additionally, I helped manage the sprint board by organizing tasks, adding child tasks, and refining the backlog to improve workflow. On the project management side, I took the lead in coordinating the sprint as the Agile Coach, facilitating team discussions, and ensuring that tasks were progressing smoothly. I also contributed to the presentation, helping to structure and communicate our work effectively.

**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 Keyboard Shortcuts story
- Collaborated with Andrew the Sprint Board

**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).**

Over the course of this deliverable, I effectively managed my time by proactively scheduling dedicated work periods for my technical tasks (like developing the keyboard shortcuts and updating the sprint board) and aligning these efforts with team milestones. I regularly reassessed my progress against the course timetable, which allowed me to reallocate time as needed when unexpected challenges arose. This approach ensured that I met all deadlines while maintaining the quality of my contributions, and I've identified some areas for even more efficient contingency planning in future deliverables.