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CIS 4250 – Software Design V
Instructor: Prof. S. Scott
Individual Accountability Report (IAR) Template

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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: **Nelith Ranaweera**

Q2. Student ID: **1192167**

Q3. Associated Team Deliverable: **Sprint 2**

Q4. Team #: **4**

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):

- **Making requests to update Firebase database**
- **Creating frontend components using React**
- **Teamwork/collaboration/communication**

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 experience working in teams, with firebase, and with react from the previous sprint as well as various software development projects throughout my degree.

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?

Throughout this sprint I learned more about managing user state through a cache so that changes made by the user persist across sessions. In the future I may need to look into this more as there were some errors that seemed to be linked to the cache in our application. This may involve looking into alternative methods to save the state in the browser.

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

During this sprint deliverable, I worked on integrating the database functionality with the application, creating user experience buttons for indicating flashcard answers, and presenting the demo at the end of the sprint.

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)?

I collaborated with Matt to integrate the database functionality with the frontend of the application as well as presenting the demo. Additionally I worked with Melissa when trying to fix some cache state bugs with the login. Moreover, I worked with the entire team in a collaborative session to manage the documentation.

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).

We managed our time well by scheduling regular team meetings, keeping each other up to date on progress, and making informed time estimates. I made sure to work on my tasks as soon as I could to ensure there was no delay in other dependent tasks. This resulted in us being able to complete all planned user stories for this sprint.