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CIS 3760 – Software Engineering
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: Jacob Beal

Q2. Student ID: 1057040

Q3. Associated Team Deliverable: Sprint 4

Q4. Section#, Team #: 102, 2

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

- Android Studio
- Gitlab
- Google Drive
- Discord

Methodological

- SCRUM
- Online Meeting

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

With the work I did in the last sprints it assisted me during this one as I had more knowledge about android programming any extra I had to learn the concepts on the go through the help of my team members and the documentation on the internet. I am very experienced in using google drive and discord as I use this software daily.

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?

During this sprint I was tasked with creating a feature that allowed the user to create their own custom tags. As I have been learning a lot more of Android I wanted to take on as many tasks as I could to test myself, later in the sprint I took on the dark mode feature as well. This was a task I had to learn new skills such as styles and colour resources which at the time I had no prior experience with. Through these tasks I was able to learn about the order in which on create functions ran in which order as I had felt the need to make every fragment, splash screen and activity take on the right style if it had been set. I had to learn from scratch how to get a shared preference that had been previously set and make sure that followed throughout each of the separate UI interfaces.

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

In this team deliverable I contributed to

- Added new column to database for tag text colour
- Created new dialog for adding a new tag
- Implemented the back end to add the new tag the user created to our tag database
- Implemented the back end to set recording tag name, colour and text colour
- Added a preference checkbox to settings to allow the user to set dark theme.
- Implemented the back end to change theme for each fragment and activity
- Added new colours to the color resource file for better allocation for themes
- Implemented the back end to delete tags from the database and clear them off any recording with said tag
- Added an exist checker to the tag database to see if a tag a user is trying to add exists if so it will not add and notify the user that this tag exists

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

This was a task I worked on by myself as I have experience now in updating database tables and assigning values to it.

This was a task I mostly worked on by myself as I am trying to gain more personal knowledge on Android UI, using my knowledge from last sprint about creating shape drawables in android.

This was a task I worked on by myself as I have the most experience from pulling from and updating the database.

This was a task I worked together with Michael on as we worked on Dark mode together we felt that it was the nicest looking option for setting a theme.

This was a task I worked together with Michael as he initially figured out how to set dark mode and I did further research as to how to set it as soon as the option was set and when the application is reopened.

This was a task the group decided on as we felt that the nicest dark type theme is found through different types of greys

This was a task I worked on by myself as I feel that it improves the user experience by allowing them to delete tags that are no longer necessary this makes the UI looking more clean as they do not have a large list of unused tags.

This was a task I worked on by myself as I felt that it is important to keep the UI looking as clean as possible for the user experience and not allow them to get confused as it would clutter the tag list viewer with duplicates.

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 would say our team did a really great job over this time period allocated for sprint 4. We mainly focused on fixing up any temporary UI solutions with more complete solutions on top of adding quality of life features that will assist the user in navigating our application. A lot of our tasks for this sprint were focused towards the user experience we felt that the features we added during this sprint including our dark theme, custom tags and deleting and restoring of single files in our recycling bin. Our team found the perfect balance of features to improve user experience within a very short window especially as our members have plenty of commitments outside of the classroom. Our team did a great job completing these tasks as they are not simple tasks in practice whatsoever.