

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: Nicholas Florian

Q2. Student ID: 0962782

Q3. Associated Team Deliverable: Sprint 2

Q4. Section #2, Team #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):

- Creating fragments in android studio
- Working with constraint layouts.
- Working with SQLite database browser in android studio.
- Working with recycler views in android studio.
- Connecting communications between fragments and activities.
- Working with file operation in android studio
- Code Reviews
- Branch Merging
- Scrum planning meetings
- Stand up meetings
- Demo preparations and presentations
- Breaking down issues into subtasks

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 full experience working with all of the aforementioned topics related to android studio. I was also able to gain additional experience with Agile and Extreme Programming tasks thanks to our first sprint.

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?

I still feel that I need to improve on making demos, the team members had lots of ideas on how to improve our last demo and I am glad I have them around for ideas.

My understanding of android studio systems has improved tremendously, I was able to complete all my tasks in an amazing time, and assist my team members with lots of issues. After performing the first and second sprint I feel incredibly comfortable implementing code in android studio so I am hoping the team can greatly build upon the functionality we added to the application.

There is still a lot to learn in terms of design for android studio. While all the functionality works it all looks very basic and even can be unintuitive to the user. UI is a very tricky beast and it can be really hard to implement designs how you planned. I really need to learn more about custom fragments, icons, animations, and widgets moving forward.

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

- I assisted Arash with his task and merged his code to work with our new system. His version used the old indexing system based on arbitrary database ID, while the new system focused on File Path. Arash's planning made this easy to implement.
- I merged all code for the project.
- Implement the tag database and the tag selection features.
- I fixed the filter and got it to work correctly.
- As the scrum master I ran our backlog planning, stand-up meetings, and our retrospective. I ensured the team stayed on task and filled in when necessary.

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

- I helped out Jacob with the UI portion of his task.
- Jacob implemented some of the basic UI for tags and developed their core functionality within the card view. He added two sql columns to the main database table. He passed it on to me so I could update the UI and add a new database table to store tag options
- I worked on planning the demo with the entire team.
- I worked with Micheal to design and implement a new tag selection fragment. While Michaels was heavily stylized, mine only succeeded in display tag colour and name.

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 perfectly for this sprint. All team members worked really hard to get their tasks done, Danish especially as he implemented two features related to the firebase cloud. We

merged all code on Tuesday night and planned our demo together, unlike our previous week we had plenty of time to ensure that each feature was working correctly together.

We felt our demo went much better than last time and are excited to present even more changes to our demo for sprint 3.

We were able to get every feature done thanks to the stand-up meetings. When group members were falling behind or getting stuck I was able to help out and fill in to complete tasks. Thanks to hard work, communication and lots of planning we all felt we had a really productive sprint. We stayed proactive and have been rewarded with lots of amazing and functional new features.