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 1

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 activities in android studio
- Creating fragments in android studio
- Working with constraint layouts.
- Working with SQLite database browser in android studio.
- Working with recycler views in android studio.
- Working with project settings 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. Helping out and training other members with these tasks was pretty hard though.

I had participated with with scrum planning meetings and sprints in the past but never ran them myself. They were challenging but they ended up going really well and helped me understand where each team member was in regards to their tasks.

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 need to get better at planning for demos. This includes making sure we don't take on too many tasks at the beginning. I need to make sure we have a cut off date where features are dropped and the rest is polished.

I need more experience planning how our team's code reviews, branch merging, and demo planning interconnect. We really dropped the ball on that this week and it's because we all underestimated how much effort the demo would need.

I also made a mistake of showing off unfinished features for the demo. I should have instead completed what I had and polished it for presentation. Next time we will re-review the demo recommendations and create a more organized/professional presentation.

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

- I ensured our gradle version worked
- I created a SQL debugger for our application.
- I ran the Scrum planning meeting, broke down the tasks, ran every sprint meeting, and ran a retrospective after our demo.
- I assisted all members with their tasks (except Danish).
- I worked on my task along with micheal. Were unable to complete the task, we had split the front end and back end work since Michael wanted to learn more about android design. We faced considerable set backs however.
- I ran several meetings outside of our stand ups in order to train and assist team members.

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.
- I wrote a demo script with all changes and challenges for Jacob to present.
- I helped out Arash with some issues related to stored string fields, (res folder). I also helped him understand the scope of his task.
- I helped out Michael with the bugs he was facing, they unfortunately took up a lot of time this sprint. They were not related to any mistakes either of us made but due to some dependencies originating from a higher android version. These dependencies were not compiled in the base app so they snuck up on us.
- I got Danish to delegate some work/ help out with Arash's task, that way I could focus on Micheal more. Danish got his task done very early so it was no problem for him.

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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 really well up until the end. Our team completely underestimated the time needed to create a proper demo. We had some members cramming their tasks until 5am the next day. Next time we will plan a cut off date for unfinished features so that we can test, merge our branches and plan our demo out.

The features we were able to add were noticeable enough that we could have had a successful demo. We should focus more on what we completed and functional next time.

During the sprint each team member was present for every meeting (scrum, stand ups). Each meeting every member had either completed some code, or learned something new related to each task. I was able to keep up with each issue the users where having thanks to these meetings. I later planned additional meetings to help out each member.

Our retrospective was a little asynchronous but that was only because Danish and Michael had an exam during the lab. Over all every member put in a ton of hours for this sprint and I am especially proud of all them.