

**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:** Muhammad Danish Saeed

**Q2. Student ID:** 1077675

**Q3. Associated Team Deliverable:** Sprint 3

**Q4. Section#, Team #:** 02, 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):**

- The technical or methodological concepts that were required to the complete this deliverable are the following:
  - Android Studio
  - Discord (Communication tool)
  - Google Docs (sharable content/documentation platform)
  - GitLab
  - Android phone (for testing)
  - Firebase (cloud storage)
  - SCRUM

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

- As we completed through sprint 1 and 2, we learned a lot of things that we did not know before, such as the lifecycle methods of activity and fragments. At this point, we were familiar with most of the things in Android studio, such as how tables are created in sqlLite, how we can save data to phone's internal system and how we can apply more user friendly designs that makes the app look more modern.

**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?**

- Creating RecyclerView in Android Studio by far was the toughest challenge. It took a while to understand how each component of RecyclerView works. In future, I think creating RecyclerView using dummy data would be better for experimenting and to get grasp of how everything works. Later on, the data can be retrieved from sqlLite and then displayed to RecyclerView. But the overall learning in future may be to start with something small and then increment or build upon it.

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

- In this deliverable, the user story was broken down into parts to know exactly the steps I must take in order to successfully get the result we want
- Adding data to existing database and creating listView was very most of the challenges were faced but overcame

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

- I(me) broke down the tasks since I was familiar with how cloud storage works
- I(me) and Nick worked on this part on saving data and displaying it to listView. There was a lot of struggle here and received a lot of help from Nick in regards to creating a listView in an activity.

**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 think this deliverable was a little hectic. Mainly because we are approaching near the end of the semester and for those who have more than 5 courses, it gets tougher as we move to the end of the semester.
- I managed to get the main task completed with some struggle but received help from Nick to speed up the process. Although the task was completed on time, one can easily sense that it will get tougher as we progress because we finished around 6-8 tasks for this deliverable which is a huge milestone.