

**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: Sanjeeva Narayana

Q2. Student ID: 1075602

Q3. Associated Team Deliverable: Sprint3

Q4. Section#, Team #: Section 02 Group 05

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

- Refactoring the code.
- Understanding usage and communication of Fragment/ Activity life cycle
- Debugging and understanding existing legacy code base.
- Agile Development methodologies such sprint meeting, backlog refinement, estimation, planning, stand up meetings etc...
- Android and Java development knowledge.

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

Since I have been working with this legacy code past few months, I have understanding about the code and its existing structure. According to my knowledge, it would be much easier to use fragments rather than creating bunch of activities.

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 tried few different ways to achieve the deliverable such communicating between activity to fragment, fragment to fragment, fragment to another activity's fragment and use a helper class to load the data from different activities to one activity. However, it turns out that some methods are impossible or not appropriate. Therefore, I learned that the best way is to use few activities and more fragment to save stack/memory and usage of android OS.

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

In the Sprint 1, I created recurring view (front end) to add recurring functionality to the todo item. In this sprint, I created backend functionality which can receive all the data to addtodoFragment. However, the java code was under reminder following the original author. Since it is not appropriate, I moved the recurring fragment class to AddToDo. I was able to parse whole data into addtodofragment and display there. In this way, I manage to reduce activity without creating new activity for recurring events. In addition, I modified the recurring UI and removed the unnecessary multiple selection days box because it is not logical with other elements.

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

I collaborated with whole team. Specifically, Jason and Jarryl helped me to get the datepicker done on selected radio buttons. Also, Habiba and Alex shared their ideas and help, motivate me to achieve the deliverable.

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).

Since I was trying to figure out a way using multiple methods to communicate between fragment to another activity's fragment, I had to spend more time on debugging and finding ways. Therefore, I had to finish the assigned task partially by moving some tasks to next sprint.