CSC3003S Capstone Progress Report: Stage 2

Report Date: 10/08/2017

Report Period: 03/08/2018-10/08/2018

Project Name: A tool for managing research outputs — CBIB

Client Name: Prof Tommie Meyer

Team Members:

Kyle Du Plessis (dplkyl002), Suzan Mabusi (mbssuz001) , Diya Seeburrun (sbrdiy001)

## 1.1 Task Activities during the report period

| **Task** | **Contributor(s):** |
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| Use-case scenarios (narratives) had been created using MS Visio. These were written in the "Intermediate/Casual" style, using a couple of informal paragraphs for various scenarios and covering all important alternative paths. | Kyle Du Plessis |
| An analysis model had been created using MS Visio. This showed all the different classes, attributes, methods and relationships as required for the software product. | Diya Seeburrun |
| An object interaction diagram developed from use cases had been created using MS Visio. This showed object interactions over a time, and depicts the objects and classes involved to carry out the functionality of the scenario. | Diya Seeburrun |
| A project schedule plan had been created – *teamgantt* had been used for drawing up a Gantt Chart. This showed the start date, duration and end date for each task, as well as basic dependencies between tasks. | Suzan Mabusi, Kyle Du Plessis |
| A preliminary test plan had been set up. This showed multiple test cases and described the inputs, what behavior will be tested and the expected outcomes. | Suzan Mabusi |
| The kind of prototype to be implemented had been decided upon: throw-away, and initial prototype design had been started. | Kyle Du Plessis |
| The weekly progress report (Stage 2) had been prepared. | Kyle Du Plessis |

## 1.2 Planned activities for the next report period

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| Create a prototype of software product (develop prototype source code). |
| Prepare prototype demonstration to client. |
| Revise and update documentation and prepare weekly progress report (Stage 3). |

## 1.3 Problems:

1. The object interaction diagram became very large and complex to draw when we tried including all application functionality. We then modified the sequence diagram to show only particular functionality as it is not concerned with the very low-level details – which is what a class diagram is for.
2. We spent a lot of time searching for appropriate software tools to draw up the Gantt Chart, and found that *teamgantt* was simplest to use.