**TEAM 5 WEEKLY REPORT**

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| **Report Date** | 11 August 2023 |
| **Report Period** | Stage 2 (4th of August – 11th of August 2023) |
| **Project and Client** | Zola Mahlaza, zola.mahlaza@myuct.ac.za |
| **Team Members** | Dean Kopping, KPPDEA001 |
| Cassandra Tshabalala, TSHCAS005 |
| Modjadji Francis, FRNMOD001 |

**Task Activities during the report period**

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| **Activity** | **Activity Description** | **Link to Project Goals** |
| Use case identification and description | Identifying the different product use cases by constructing a use case diagram | This activity is linked to the goal of implementing the client requirements fully. Identifying the use cases assists in identifying how the users of the system interact with the system which will point out |
| Analysis Model | A class diagram to allow understanding of project requirements and identify requirement’s components | App functionality and client requirements |
| Interaction Diagram | Developing a sequence diagram to indicate the interaction between the users of the system and the GUI, backend and DataSource. | App functionality and client requirements |
| Project Plan | Resolving the different project activities and deliverables into a project plan over the six weeks of the project life | Submitting project deliverables on time |
| Project Test Plan | Planning the tests to be run for the various product use cases and functionality | Implement/deploy a system with fully functional client requirements |
| Contacting the client to verify use cases | Engaging with the client to verify the team’s identified use cases | Ensuring that the project activities are in line with the client’s requirements |

**Breakdown of team contribution**

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| **Team Member** | **Contribution** |
| **All members** | All the members collectively contributed to defining the project use cases and generating the project sequence diagram |
| **Dean Kopping** | Constructed the use case diagram and create the outline of the class diagram, defining one of the classes in the program. |
| **Cassandra Tshabalala** | Created the project test plan and contributed towards the project sequence diagram. The main point of communication between the team and client. |
| **Modjadji Francis** | Put together the project plan/gantt chat and defined the use case narratives |

**Use Case Implementation** was not applicable

**Planned Activities for the next report period**

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| **Activity** | **Activity Description** | **Link to Project Goals** |
| Decision on the type of prototype | The team is to discuss possible prototype designs for the project. | The correct prototype design will allow the team to measure the practicality of the design of the system and to gather the client’s feedback on this. This maintains client satisfaction which is one of the project goals. |
| Prototype design | Each team member is to design a prototype of the system which will be used for a comparative analysis before deducing the final prototype design. These are to be presented to the client to receive feedback to decide on the final design of the system. | The design of the prototype links to the goal to meet client project requirements. |
| Completion of project class diagram | The project class diagram was a requirement of the completed phase, however due to complications with engaging with and understanding the already provided code. However, due to the problems defined below, the team was unable to complete this within the phase. | Project functional requirements |
| Preparation for project demonstration | There is a scheduled prototype demonstration with the project client | Project functional requirements |

**Problems**

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| **Problem Identified** | **State of Problem** | **Actions taken to resolve the problem** |
| Class Diagram/Analysis Model | The team encountered issues with understanding the program source code. As a result of this issue, we were not able to complete the class diagram in time. We required more time to engage with the code and produce a class diagram to outline requirements. The problem is being resolved as the team is developing the class diagram. | The team reached out to the project client and supervisor for assistance and were provided with a cheat sheet simplifying the classes and how they interact. This aided understanding and ease of implementation. |

**Revised Schedule and Goals**

1. The schedule requires revision. This means including the additional time required to complete the class diagram within the time allocated for stage 3.