CSC3003S Capstone Project — Stage One

Risk [30 Marks]

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| Project Abbrev & Name | PTJP, Public Transport Journey Planner | Client/Supervisor + email | Jan Buys, jan.buys@uct.ac.za |
| Date | 2022/08/01 | Tutor + email | Jane Imrie, IMRJAN001@myuct.ac.za |
| Team Members | Zenan Shang, SHNZEN001 | Erin Heath, HTHERI001 | Ben Brent, BRNBEN005 |

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| **Risk Condition [1]** | **Consequence [1]** | **Cat** | **Prob [½]** | **Impact [½]** | **Mitigation [1]** | **Monitoring [1]** | **Management [1]** |
| Unable to complete certain tasks due to insufficient skills and knowledge | Delay the project completion and a rework of the whole program scope. | Development | 5/10 | 9/10 | Using the agile method to complete tasks. This method will allow us to be able to see problems earlier and adapt to them faster | Communicate with team members and separate work such that everyone is doing at something they are good at | We will have a meeting discussing about the scope of the project. Let the client know about the problem and tell them about the new possible scopes we came up with. |
| Underestimating the amount of time needed to complete a certain task | Delay the program completion and affecting all teammate’s progress. | Development | 7/10 | 7/10 | Using the agile method to complete small tasks. Having a weekly meeting to discuss and view the progress of the tasks and spot uncompleted tasks. | Using Gitlab so that team members can see everyone’s progress. Having weekly meetings will ensure that everyone is acknowledge of everyone’s progress. | We will inform the client about the delay; the team members will help each other with the problem to minimise the delay time. Allocate less work to the delayed teammate to give him/her time to catch up |
| Availability of the team members. | More time and effort will be needed to complete the tasks for the other team members. | Start to end | 3/10 | 8/10 | Creating a group chat to keep everyone updated with their availability. Having a fixed weekly meeting to assign and remind team members to complete their tasks. | WhatsApp group chat is good for keeping team members updated, so if one is sick or away, they can inform the group through WhatsApp messaging. | The other team members will first complete their task and then try to help the away teammate with his/her work. |
| A computer malfunction causing unexpected losses | This will result in unsaved work being lost, which will delay the project completion. | Start to end | 2/10 | 6/10 | Save work frequently and backup the project progress. OneDrive can be used for back up the program and Gitlab can be used to share the program among the group members. | Maintain the computer in good condition, download a good anti-virus to prevent a virus attack. | Inform the teammates, use UCT PC to continue with the work. If possible, find a new laptop. |
| Load shedding can cause decrease in productivity and losing our unsaved work | This will temporarily cause us to not have access to internet. Desktops won’t be able to function. | Start to end | 8/10 | 8/10 | Save work frequently so that load shedding won’t make us loss our unsaved work. | Know when we will get load shedding and schedule our time such that load shedding won’t affect our progress | During load shedding, we could work on part of the program that we know how to code (no need for google). Or we go to a UCT venue that have a generator and WIFI is on. |
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