

Risk Assessment

| ID | Risk | Risk description | Response | Objective | Likelihood | Impact | Risk level |
|----|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|------------|--------|------------|
| 1 | Internet failure | In the event of internet failure, connectivity to the remote repo is not possible causing delays and prevention of progress. | Ensure there are backup ways to connect to the internet such as mobile hotspot or alternative Wi-Fi access. | To guarantee continuation of the project in case of primary internet connection failure. | Medium | High | 8 |
| 2 | Hardware & software performance | If the programs and applications required for the completion of the project are not functional or are limited it would prevent completion of the project. | Ensure hardware is not outdated and all software is authentic and updated. | To minimise risk of hardware/software malfunction and be able to carry out project. | Low | High | 7 |
| 3 | Loss of work | In the case of the work being deleted, corrupted or inaccessible would lead to delays in projection completion. | Save and commit work regularly. Utilise external hard drive and cloud storage to backup work. | To not lose work completed, prevent having to redo tasks and allow fluent progression of work. | Low | High | 7 |
| 4 | Poor time management | Poor time management would lead to tasks being incomplete or faulty resulting in requirements not being met. | Take advantage of JIRA to plan and manage the entire project. | To allow consistent work progression and have plenty of time to complete the project to its full potential. | Low | Medium | 4 |
| 5 | Illnesses/RSI injuries | Illnesses would prevent me from working on the project, causing delays. RSI injuries like headaches, back pain and eye strain are likely to occur whilst working on a computer for extended times which would reduce efficiency and ability to perform well. | Have a healthy diet and rest well to minimise risk of illness. Take regular breaks drink plenty of water and ensure workstation is comfortable and supportive to posture. | To stay healthy and able to perform at the highest level possible. | Medium | Medium | 5 |

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| 6 | Fatigue | Sitting for prolonged periods can cause mental and physical fatigue which is hazardous to health and will reduce efficiency. | Have a healthy work life balance to minimise fatigue and take regular breaks. | To maintain consistent progress by eliminating mental and physical fatigue. | Medium | Medium | 5 |
| 7 | Computer malfunction | If my computer was to malfunction it would prevent me from working on my project. | Make sure computer has antivirus installed. Save work regularly and have access to a backup computer. | To reduce risk of computer malfunction and if necessary have an alternative device to continue work. | Low | High | 7 |
| 8 | Tutor/support not available | In the case of tutor not being available due to illness, booked leave or other responsibilities, it would prevent certain tasks from being completed causing delays and errors. | Utilise online services such as QA community, saved files/recordings from classes as well as previous work done. | To make sure plenty of support and useful material is available throughout project. | Medium | Medium | 5 |

Risk Assessment matrix

| | | Impact | | |
|------------|--------|--------|--------|------|
| | | Low | Medium | High |
| Likelihood | Low | 1 | 4 | 7 |
| | Medium | 2 | 5 | 8 |
| | High | 3 | 6 | 9 |