

RISK ASSESSMENT:

| Description | Evaluation | Likelihood | Impact Level | Responsibility | Response | Control Measures |
|---|--|------------|--------------|------------------------|---|---|
| I become moderately ill | I will be unable to work to the best of my ability | Low | Medium | Me | Try my best to work, depending on how ill it should not be a serious risk | Keep the immune system strong |
| Family commitments resulting in significant lost time | This could result in me not having the time to do the project | Very Low | High | Me | Notify QA as early as possible, and seek a solution | There is nothing that can be done to control this risk |
| Damaging my computer | Could possibly lose work, and may get in the way of my ability to work | Low | Medium | Me | Find a new computer to use, and clone the current GitHub repository | Avoid moving the computer, and avoid spillage hazards near the computer |
| Internet problems | Internet issues could prohibit my work rate and cause issues with keeping up with version control | Low | Very Low | Me/My service provider | Use a personal hotspot from my phone, and if this does not suffice then I would need to move to an alternative address to work effectively. | Keep spillage risks away from router, other than this there is not much you can do to avoid internet problems |
| Running out of time due to poor organisation | Running out of time could result in an unfinished product | Very Low | High | Me | Prioritise the mvp, don't waste time on things that are not strictly needed | I will work hard to meet the deadline, working outside of work hours if needed |
| Computer virus | My work and/or computer could be compromised | Low-Medium | High | My antivirus | Clone what has been onto a new machine | Keep firewall on, and keep antivirus up to date and avoid potentially unsafe websites |
| Power shortages | A power shortage could result in me not being able to work for a period of time | Low | Low | Me | Unless the power shortage is nationwide, then I can temporarily move address whilst I finish my project | There is nothing that can be done to control this |
| Problems with versions | The final product may be incompatible with certain operating system versions and this could cause problems | Low | Medium | Me | I will change the version to a less problematic and more compatible version | Check product regularly |

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|---|---|----------|------|-------------------------|---|---|
| Losing control of GitHub information and cannot access my account | I could lose control of the work I have done within my repository | Very low | High | Me | I will recreate the work I have done, as this is a small project it can be done as long as there is still enough time remaining | I will keep my passwords safe and make sure to be careful what I use my email and passwords for that are associated with my GitHub account. |
| Dependency vulnerability | There is a possibility of vulnerabilities occurring for our dependencies | Medium | High | The dependency operator | Change dependency to a clean un-owned version before deployment of product | Check maven regularly to see if the dependencies being used are vulnerable in any way |
| I merge to the main branch by mistake | This could mean that I am ineffectively using git, and could also result in unseen problems | Low | Low | Me | Revert branch to a previous state | Make sure to use git properly and ensure that I am double checking my actions when using Git Bash |

RISK ASSESSMENT:

Risk Assessment utilizing a matrix:

