

## IMS Risk Assessment

<u>Risks</u>	<u>Statement</u>	<u>Response</u>	<u>Objectives</u>	<u>Likelihood</u>	<u>Impact</u>	<u>Risk Level</u>
Coronavirus	With coronavirus growing exponentially, it's possible the project member(s) may catch it before the deadline. If not asymptomatic, a best case scenario would be being unable to present the project to peers. A worst case scenario would be death or permanent lung scarring.	Follow government lockdown procedures and avoid leaving home unless absolutely necessary.	Reduce the chance of catching coronavirus.	Low-Medium	Very High	High
Repository Breach of Security	Source code pushed to GitHub may be vulnerable to malicious hackers.	Avoid non-unique passwords (a password manager is recommended), update them regularly and avoid cliches i.e. 'qwertyuiop'	Prevent malicious hackers from obtaining and/or altering data.	Low	High	Medium
GitHub Human Error	Any source code added to the repository via <b>feature</b> branch could unintentionally be merged into the <b>master</b> branch, leading to features being added before being tested.	Utilise a development branch and double check to make sure that's the branch the features are being merged into.	Reduce unused data and prevent unfinished features from entering the latest working version of the project.	Low	Low	Low
Poor Planning	A common reason why projects fail is because people neglect the planning phase. Planning is the foundation of every successful project, it being required to know what the project member(s) need to be doing and what they are contributing to.	Plan the project accordingly. Use Kanban boards and agile working to allow for continuous planning.	Follow a variably plan to completion	Medium	Very High	Very High
Underestimating Scope	Not keeping to the scope of the project could lead to project member(s) overestimating what they can accomplish. The result could be not	Keep to the scope and update as more of the things which need to be done are completed.	Meet the deadline with the project specification fulfilled, no more/no less.	Medium	High	Medium-High

	meeting the deadline, possibly with an assortment of unfinished features needing to be implemented.					
Computer Failure	The project absolutely requires a computer to be completed. Without a computer, very little of the project can be completed.	Have a backup computer ready and use GitHub to gain a working copy of the project.	Always have a computer to complete the task with.	Low	Very High	Low-Medium
Internet Failure	While some of the project can be completed without internet access (Java, documentation, etc.), there are parts which absolutely require an internet connection, such as GitHub and the presentation phase of the project. This is especially detrimental with the current coronavirus pandemic as technicians may not be readily available to resolve the issue.	Have an alternate location with internet access prepared in the event of network failure.	Always have the internet available.	Low-Medium	Very High	Medium
Natural Disaster	The project is being developed remotely from the Isle of Wight. While there's no notable threat of natural disaster (i.e. Earthquake) in this location, the improbable shouldn't be ruled out. On February 13th 2020, a tornado in East Cowes made headlines as it injured a middle-aged man via hurled object. If this happened again and caused damage to property, it could affect the development of the project.	Monitor the local news and move to an alternate location if this occurrence seems probable.	Prevent a natural disaster from impacting the project.	Low	Low	Low
Deep Vein Thrombosis	Sitting too long has been known to result in blood clots forming in the leg, known as Deep Vein Thrombosis. Symptoms of this include: shortness of breath, chest pain and death.	Take occasional breaks to move around. Keep active outside of working hours.	Prevent a life-threatening condition from affecting the scope of the project.	Low	Very High	Low

