

Risk	Description	Response	Likelihood	Impact	Control measures	Risk level
Computer crashing	If the computer in use during the project was to crash, this could severely impact the amount of work completed within the timescale of the project and possibly even the quality of work completed. Any time the computer crashes could also potentially lead to corrupted files and lost progress if previous work was not saved.	Continuously save work throughout the process, push completed work up into GitHub and check that the computer is in full working order before starting any new work and making sure it is not in constant use.	Low	High	Saving often will drastically reduce the likelihood of lost data if the computer was to crash, furthermore any data pushed into GitHub can be accessed if files were to be lost locally on the machine.	8
Github	There is a chance that our GitHub could become compromised and our data we have pushed could be exposed to cyber theft.	Ensuring strong and multi character passwords are used and kept safe, accessible only to the intended user. Passwords should be changed if subject to leak and repeat use of passwords should be avoided.	Medium	High	Changing passwords/ using strong passwords will reduce the likelihood of being vulnerable to cyber attacks.	8
Internet failure	Loss of services or having a weak connection during the project can impact the amount of work that can be completed.	Check internet connection before starting any work and being sure to check if there are any local outages using your providers website. Having access to alternate methods of connection such as Ethernet cables will improve weak/ slow connections.	Low	Medium	Responding in the ways described will allow for less time lost with slow or no connections to the internet.	4
Bootstrap failure	Because bootstrap files are hosted on an online content delivery network, there is the possibility that they could become unreachable. Meaning it will be unusable.	Make sure to download any bootstrap files that are either in the project or intended to be, so that these files can be accessed whenever needed even bootstrap becomes unreachable.	Low	High	Having locally stored versions of the bootstrap code eliminates and issues if the bootstrap CDN goes down, reducing time lost on the project.	7
Time management	A possible risk is not being able to manage time correctly and efficiently enough to allow for a smooth work flow, which could lead to an incomplete project or bouts of stress or panic mid way through the project.	Ensure a Jira board is used correctly and followed so that a visual representation of the work load is accessible and use prioritisation of different tasks to keep a manageable workflow.	Medium	High	Using the Jira board and methods of prioritisation reduces over spending on lesser tasks and work can move at a steady pace.	8
Feature creep	Spending too long trying to implement a feature can heavily reduce the amount of overall time for the rest of the project.	Follow the project spec of Minimal Viable Product and reach the minimum and basic required functions that have your project working and to a good standard. Once the minimum is met and you are confident everything works; if you have extra time now is when new features can be implemented.	Medium	Medium	Following the specs first and getting the project to a minimum working standard reduces time wasted and lost focussing too much on unnecessary features.	5
Git bash issues	Issues may arise with the use of Git bash as the engineer is still new to the correct navigation around this tool, which could lead to problems pushing and committing work.	Notes taken and the use of internet searches whilst using Git bash. If any further issues arise that cannot be solved with searches or note checks, the engineer should reach out to peers or instructor for assistance.	Medium	High	Checking notes, doing searches or reaching out to others for assistance will reduce the likelihood of problems occurring whilst trying to push and commit work.	8
Project bugs	Errors in the code written could cause bugs to appear in the project.	Utilising testing during production and ensuring good quality code will reduce the likelihood of bugs occurring. Using tools online such as QA community, W3 schools and other sources will help give guidance on producing good code.	Medium	High	Using online sources for good code writing practices and testing intermittently will reduce bug likelihood and reduce time stalled finishing the project.	8
Illness	If an engineer was to fall ill, time may be lost trying to complete the project. This may result in days lost completely or heavily reduced time in a day being spent on the project.	Ensure basic cleanliness regarding hygiene are met and do not spend long periods of time around others who may be contagious with sickness.	Low	Low	Reduces the likelihood of time lost due to illness.	1

		IMPACT		
		LOW	MEDIUM	HIGH
LIKELIHOOD	LOW	1	4	7
	MEDIUM	2	5	8
	HIGH	3	6	9