

## Risk Assessment

Risk probability	Risk severity				
	Catastrophic A	Hazardous B	Major C	Minor D	Negligible E
Frequent 5	5A	5B	5C	5D	5E
Occasional 4	4A	4B	4C	4D	4E
Remote 3	3A	3B	3C	3D	3E
Improbable 2	2A	2B	2C	2D	2E
Extremely improbable 1	1A	1B	1C	1D	1E

Risk	Risk Description	Risk avoidance and steps to tackle risk	Risk Level
Covid-19	An outbreak of covid-19 could lead to a developer being unable to physically complete any work due to an illness, which could completely stop development and work on the program.	Ensure that everyone present is taking necessary covid precautions such a mask, 2m distance and common hand sanitising to prevent any spread of the disease.	5D
Power cut	A power cut could lead to a complete loss of a large loss of work which is being worked on that has not	Make sure work is saved regularly in case of a power cut and allow regular	2B

	been saved. This could lead to an extended time taken to complete the project and disallow deadlines to be met.	checks on power sources and plugs to make sure you do not lose power.	
Internet cut out	If your internet, you could become unable to communicate with colleagues to discuss development of the project and similarly to the power cut become unable to use github to commit your newly developed code online.	Ensure a strong and stable wi-fi or ethernet connection at all times, and making regular checks to prevent any unplanned downtime.	2A
Welfare	The welfare and mental state of the developer could become deteriorated and negative due to a large work load, this could cause in poor coding standards and longer time spent on small tasks.	A way to avoid this would be to keep well exercised and hydrated during working days and to ensure small but effective workloads to ensure the best levels of coding standards and work produced.	3D
Lack of understanding	If the developer does not understand the software principles to develop a clean program, the program will be unable to be completed and therefore will result in a failed project.	Ensure all Java skills and topics are covered during training pre project to allow for maximum knowledge when carrying out the project task to its full working potential with necessary coding practises used.	4D

Planning	Insufficient planning could cause a big problem for the developer as this could lead to a very unorganised project with incomplete areas or areas being conflicting in the program and unreadable to another user.	Make sure an in-depth and methodical plan is in place to allow the developer to take a step-by-step approach to the project and have clean and concise code.	4A
Productivity	Poor productivity could lead to the project taking a long time to complete, meaning the deadline is not met and the inability to produce a finished project.	Ensure that you are working at your maximum potential at all times so that deadlines are met and a finished project is put forward.	3D