

Risk ID	Risk	Result of Occurrence	Known Problems	Probability	Severity	Outcome	Mitigations	Probability	Severity	Outcome
1	Hardware failure	Unable to work May lose application if saved to local machine	Laptop is 2 years old	2	5	10	Ensure work is uploaded to GitHub daily Do not stress local machine when running applications	1	3	3
2	Power cut	Unable to work May lose application if saved to local machine	There is never 100% guarantee on the national grid	2	3	6	Ensure work is uploaded to GitHub daily	1	3	3
3	Internet connection problems	Unable to upload work to cloud Unable to connect with colleagues	Coronavirus has increased the load on internet load The Guildford area for Virgin Media is poor for internet load	3	3	9	Ensure work is uploaded to GitHub daily Ensure local machine is upto date daily Aquire backup internet dongle	1	2	2
4	Application stability	Application would not run May crash local machine which is running the application	Developer is still increasing knowledge in JAVA, there is a possibility that the application may crash because of some code.	3	4	12	Ensure there are exceptions to catch errors built into the application	2	2	4
5	Application efficieny	May reduce local machines performance Local machine may not be able to run application	Developer is still increasing knowledge in JAVA, there is a possibility that the application is not perfectly efficient because of some code.	4	2	8	Where possible make code more efficient where possible Ensure best practices are being used for JAVA and other technologies	2	1	2
6	Software compliance	If application is handed over to another person, they will struggle to understand the code Marking work will be more difficult		4	2	8	Ensure best practices are being used for JAVA and other technologies	2	1	2
7	Developer doesnt understand technologies	Developer may take to long writing code that could be completed with less effort May use the wrong technology to complete a task	Developer is still increasing knowledge in JAVA therefore some common mistakes may occur	3	3	9	Ensure where possible all exercises have been completed Ensure when unsure about technology the trainer resources are being used.	1	3	3
8	Security flaw through database	Data may be stolen	Currently the database isn't closed after use	3	3	9	Ensure in code that there is a database close function	1	3	3
9	Completed application does not meet all criteria	Reduced final grade	Application is not currently completed	3	5	15	Ensure adequate testing has been conducted to ensure application does meet all brief criteria	1	3	3
10	Project is not finished in timeframe	Reduced final grade	Application is not currently completed	3	5	15	Ensure project is properly project managed through provided project management tools	1	3	3
11	Coronavirus	Unable to work Possible for trainers not able to help with work Death	The pandemic is currently ongoing.	3	5	15	Follow the govenment guidelines where possible to minimise the risk	1	3	3