

RISK ASSESSMENT

Risk	Statement	Response	Objective	Likelihood	Impact	Risk Level
Not completing all my tasks in my plan	Need to keep to the timings so all tasks get completed.	I will ensure I keep to my timings and not to waste time	Keeping to my plan	4	3	16
My internet stops working	If I have no internet and it prevents me from doing my project	I will have to make sure I can use my hotspot	Make sure I have an internet connection at all times	1	3	3
My laptop breaks	make sure my laptop does not break	Have an alternative for where I can do my project	Have a backup for my project	1	4	4
My file gets deleted	If my files get deleted or lost	Make sure to have another copy saved on a USB stick	Have a backup for my project	2	3	6
Software is not available	If a software stops working which I am using.	Find an alternative software which does the job	Have alternative options	2	3	6
Wanting to change something last minute	If I want to change an aspect of my project	I will have a plan which I will stick to	Create a plan which will make my project run smoothly	4	2	8
Security Risk	Someone hacks into my java and changes my code	I will need to have my files security protected	Find the best way to protect my code	1	5	5
Git problems	Pushing to main instead of dev	I will need to ensure I follow continuous integration procedures of feature branch model	Do not push to main branch until project submission	3	4	12
Testing failures	Testing failures appearing when project is due	Debug tests and ensure knowledge of Mockito is up to date before starting to test	Stick to project plan and ensure adequate time given to testing	4	3	12
Documentation	Not providing correct documentation	Ensure specification is followed to ensure all required documentation is available	Complete all required documentation in specification	3	3	9
GitHub security	Ignore database property files	gitIgnore db.properties files so database credentials are safe	Don't push db.properties files to git hub for public viewing	3	5	15
Testing	Not meeting industry standard of 80%	Leave enough time for testing to be completed	Meet the industry standard of 80%	2	2	4

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Frontend not working	Front end CRUD functionality doesn't work as expected	Continuous testing of front end functionality to ensure it works	Have CRUD functionality working as expected	3	4	12
Refactoring code	Refactoring code is essential to ensure it is DRY	Check code using Sonarqube	Keep code DRY	4	3	12

SEVERITY		Minimal	Minor	Moderate	Major	Severe
LIKELIHOOD	Guaranteed	5	10	15	20	25
	Expected	4	8	12	16	20
	Likely	3	6	9	12	15
	Possible	2	4	6	8	10
	Unlikely	1	2	3	4	5