

RISK ASSESSMENT MATRIX

RISK	EVALUATION	RISK LIKELIHOOD	RISK LEVEL	Responsibility	RESPONSE
Risk of not completing the project	Application not be fully complete. Ignoring all the objectives. Failing the project	IMPROBABLE	LOW	Myself	Whenever I come across an area of difficulty. The proper form of action is to refer to QA community, online material and lead trainer.
Risk of losing project due local system corrupting	Local drive on a personal device can corrupt, destroying the work on the project.	POSSIBLE	LOW	Myself	Prevent this risk by consistently creating copies and pushing the work to the repository.
Risk of missing deadline due to internet/server failure	Internet failure from personal home broadband could cause this issue. Or an overloaded server from high traffic.	IMPROBABLE	LOW	Myself	Make sure to have the work completed and ready to upload before the due date even comes around.
Risk of code not working and not fulfilling Must Haves.	Application will not include all the specifications listed. Failing the project	PROBABLE	MEDIUM	Myself	Whenever I come across an area of difficulty. The proper form of action is to refer to QA community, online material and lead trainer.
Risk of test coverage not reaching 80%	The tests created may not work properly. Resulting in test coverage not hitting the industry standard.	PROBABLE	MEDIUM	Myself	Whenever I come across an area of difficulty. The proper form of action is to refer to QA community, online material and lead trainer.

Risk of merging to the main branch and overwriting the main code with buggy features	Human error involved. This could overwrite the working main branch with buggy and broken features	POSSIBLE	LOW	Myself	Prevent this by always checking which branch I am on in git Bash before pushing or pulling. If an error occurs, I can simply git revert.
Risk of poor code syntax	Human error involved. Make sure syntax convention is followed	POSSIBLE	LOW	Myself	Prevent this by always referring to previous code produced which will have followed java syntax convention
Risk of server port failure	Human error involved. Make sure the spring boot application runs the correct local host server/ One that isn't already being used.	POSSIBLE	LOW	Myself	Prevent this by making sure the local port isn't already in use. This can be done by checking the list of ports available in the command line. Randomising the ports in testing can help with this issue as well.