

Todo List Risk Assessment

Overview:

This is a risk assessment for the Todo List (TDL) QA project. It contains an initial, intermediary, and a final risk register to document the changes over the course of the project journey. The idea is to be aware of any potential obstacles and how to overcome them as well as the impact they might have.

The goal is to:

- Consider all potential risks
- How to overcome them
- The impact they might have

Ideally the risks will be correctly identified, managed, and reduced all throughout the course of the project.

Key

Likelihood

Rare	Unlikely	Possible	Likely	Certain
1	2	3	4	5

Impact

Negligible	Minor	Moderate	Major	Extreme
1	2	3	4	5

Risk rating (likelihood * impact)

Low	Moderate	High	Extreme
1 - 3	4 - 6	8 - 12	15 - 25

Risk Register 1 - Initial Scores & Actions

Ref	Risk Description	Cause	Risk Event	Likelihood (1-5)	Impact (1-5)	Risk Rating	Action
1	Lack of time	Improper time management	Not completing project in time	3	4	12	Plan daily tasks using Jira as a reference to follow objectives
2	Lack of experience	Not yet fully adept in Java/SQL	Not completing project in time	2	5	10	Take notes, ask questions, read outside class, complete exercises, ask fellow cohort members for advice
3	Technical Disruption	Faulty internet, issues with Microsoft Teams etc.	Infrastructure strains, unstable internet due to bandwidth issues	2	4	8	Keep trainers updated if issues occur in order to remedy them or work on alternatives ASAP. Only use internet when necessary
4	Self Management	Overworking and mental fatigue	Not being able to complete the course due to mental fatigue or burnout.	2	4	8	Use SMART objectives to be efficient and not overwork, take regular breaks away from the computer, physical activity, seek help as necessary
5	Unreliable Tests	Not testing enough	Application is difficult to maintain	3	4	12	Asking for help when stuck with tasks, set aside days to complete these.

Risk Register 2 - Intermediary Scores & Actions

Ref	Risk Description	Likelihood (1-5)	Impact (1-5)	Risk Rating	Analysis	Action
1	Lack of time	3	5	15	The components used in this project are being taught as we are developing it, so time for the actual project is not as much as I would like.	Communicate more clearly with trainers as to the expectations of QA.
2	Lack of experience	5	5	25	Java and more specifically Spring are difficult conceptually at times. Throughout the development, Spring and it's associated plug-ins cause issues and more time studying both could be incredibly beneficial.	Must consolidate knowledge after each newly learned technology.
3	Technical Disruption	2	4	8	Multiple instances of internet cuts, as well as lag during microsoft teams meetings all interrupting workflow. Both on trainers and trainee's sides.	Rewatch recordings of lectures and disconnect any devices from the wifi that may contribute to bandwidth traffic.
4	Self Management	3	4	12	Burnout is common. Stressing over the project due to a lack of formal structure and experience.	Ask trainers and other cohort members for assistance where it is needed.
5	Unreliable Tests	3	4	12	Tests satisfy the 80% coverage, however there are one or two errors that prevent them from fully compiling.	Add new tests and fix-non functional ones.
6	State of the world				COVID is always a threat. Self-isolation was needed at one point which caused some mental fatigue and a lack of morale.	Tring to take regular breaks and doing activities I enjoy certainly help.

Risk Register 3 - Final Scores & Actions

Ref	Risk Description	Likelihood (1-5)	Impact (1-5)	Risk Rating	Analysis	Action
1	Lack of time	3	5	15	Over the course of this project, time was a rare resource. I have had to work outside of work hours to deliver the final project causing sleep deprivation.	Communicate more clearly with trainers as to the expectations of QA. Do not jeopardize health by abstaining from sleep for the project.
2	Lack of experience	5	5	25	Spring, Lombok, Sonarqube and Selenium all are still alien to me. I would not be able to fully feel comfortable with any of them until I spend more time studying and learning about them - which given the accelerated nature of the course, proves to be tough.	Must consolidate knowledge after each newly learned technology. Rewatch recordings and ask many more questions to trainers
3	Technical Disruption	2	4	8	Multiple instances of internet cuts, as well as lag during microsoft teams meetings all interrupting workflow. Both on trainers and trainee's sides.	Rewatch recordings of lectures and disconnect any devices from the wifi that may contribute to bandwidth traffic.
4	Self Management	3	4	12	Burnout was common. Stressing over the project due to a lack of formal structure and experience.	Ask trainers and other cohort members for assistance where it is needed.
5	Unreliable Tests	3	4	12	Tests are at 87% coverage, but there were issues that prevented a .jar from being compiled.	Add new tests and fix-non functional ones. Create .jar file with the tests skipped
6	State of the world				COVID is always a threat. Self-isolation was needed at one point which caused some mental fatigue and a lack of morale.	Tring to take regular breaks and doing activities I enjoy certainly help.