

Risk Assessment

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 and actions

Identification of risks along with scores and actions required to mitigate them.

Ref	Risk Description	Cause	Risk Event	Likelihood (1-5)	Impact (1-5)	Risk Rating	Action
1	Lack of time	Improper time management	Incomplete project	2	4	8	Plan daily and adhere to agile development schema.
2	Self-management	Overworking / prolonged periods of sitting	Worsening of sciatica	4	4	16	Follow prescribed physical therapy treatment – take managed breaks.
3	Unreliable services	Github / GCP service interruption	Unable to access said service	1	3	3	Ensure local repository is updated. Host a local MySQL instance in case of interruption. Keep checking for scheduled maintenance.
4	Unreliable application	Not enough tests	Application is not as easily maintainable	3	4	12	Set aside days specifically for test – ask for help where needed.

Risk register 2 – Midpoint scores, updates, and actions

Follow up and update in the middle of the project to review progress and reassess the risks.

Ref	Risk Description	Likelihood (1-5)	Impact (1-5)	Risk Rating	Update	Action
1	Lack of time	3 ↑	4	12	Additional training has compounded time issue.	Remained calm while incorporating this into current daily schedule.
2	Self-management	3 ↓	4	12	Pain from sciatica has somewhat lessened.	Continue with physical therapy treatment and managed breaks.
3	Unreliable services	1	3	3	No scheduled maintenance from either platform. Disruption has not occurred.	Continue updating local workspace. Keep tabs on scheduled maintenance from either platform.
4	Unreliable application	3	4	12	JUnit tests have been semi-implemented into the DAOs. Awaiting training on Mockito to continue with controllers.	Invest time in other areas, such as full completion of the application backend.

Risk register 3 – Final scores, analysis, and actions

Analysis performed at the end of the project

Ref	Risk Description	Likelihood (1-5)	Impact (1-5)	Risk Rating	Analysis	Action
1	Lack of time	3	4	12	Several hours were lost from addition training, such as Mockito. However, this was necessary for the project.	No action.
2	Self-management	4 ↑	4	16	Initially, I was working standard working hours and taking breaks regularly. This led to an ease of symptoms and a healthier mindset. However, nearing the close of the project, the slight lack of time to deliver the project clouded my judgement, leading to a worsening of my symptoms yet again.	Stick to initial plans with more conviction. Use devices (home-hubs etc) to set reminders.
3	Unreliable services	1	3	3	This has not been a factor whatsoever. However, it is still good to plan for such occurrences.	This risk is closed.
4	Unreliable application	3	4	12	Some material was delivered slightly later than expected – a full working application was implemented but I had not yet learnt the required technologies to test it effectively.	Ask for material upfront or work from community ahead of training.