Risk Assessment

Values

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)

Low	Moderate	High	Extreme
1-5	6-10	11-15	16-25

Risk register 1 – Initial scores and actions

identifying risks and the actions that are required to mitigate them.

Ref	Risk Description	Cause	Risk event	Likelihood (1-5)	Impact (1-5)	Risk rating	Action
1	Lack of time	Time management is improper	Project incomplete	2	4	16	Plan daily and adhere to agile development schema.
2	Self-Management	Overworking/working and sitting around for long period of time	Back and neck pain, as well as eye strain and headache.	4	4	6	Take breaks, keep hydrated and move around during breaks.
3	Unreliable services	GCP/Github Service interruptions	Unable to access or crash of suggested services	1	3	6	Ensure local repository is updated. Keep checking for scheduled maintenance.
4	Unreliable application	There are not enough tests	Application not easily maintained	3	4	12	Sprint plan tests so you can test on specific times and asks for help when needed.
5	Loss of work	Crash of device/accidental work loss	Devices crashes and lose the work. Deletes wrong folders.	3	5	14	Keep backup copies of work, update the Git Repository often.

Risk register 2 – Midpoint scores, updates, and actions

This is a follow up and update   during the implementation of the project and reassessing the risks.

Ref	Risk Description	Cause	Risk event	Likelihood (1-5)	Impact (1-5)	Risk rating	Updates	Action
1	Lack of time	Time management is improper	Project incomplete	3 ↑	4	18	Extra training has affected project time.	Stay calm and stick to the current daily plan.
2	Self-Management	Overworking/working and sitting around for long period of time	Back and neck pain, as well as eye strain and headache.	3 ↓	4	4	Less pains and other discomforts.	Continue with the same actions.
3	Unreliable services	GCP/Github Service interruptions	Unable to access or crash of suggested services	1	3	6	No interruptions have occurred.	Continue checking for scheduled maintenance.
4	Unreliable application	There are not enough tests	Application not easily maintained	3	4	12	JUnit is being implemented into the DAOs, Mockito training will begin soon.	Continue working on other areas while trying to finish off JUnit.
5	Loss of work	Crash of device/accidental work loss	Devices crashes and lose the work. Deletes wrong folders.	3	5	14	No issues yet.	Upload work on to GitHub.

Risk Register – Final scores, analysis, and actions

Analysis performed at the end of the project

Ref	Risk Description	Cause	Risk event	Likelihood (1-5)	Impact (1-5)	Risk rating	Analysis	Action
1	Lack of time	Time management is improper	Project incomplete	5 ↑	5 ↑	20	Lost work, so need to finish the work within few hours.	Stay calm and do as much as possible.
2	Self-Management	Overworking/working and sitting around for long period of time	Back and neck pain, as well as eye strain and headache.	4 ↑	4	20	Followed a good working standard, took appropriate breaks. However, loss of work clouded my working standard and affected me physically and mentally.	Stay calm and use the resources possible to maintain a healthy mindset and body.
3	Unreliable services	GCP/Github Service interruptions	Unable to access or crash of suggested services	1	3	6	Not been a factor but is something to always keep in mind.	Risk is closed.
4	Unreliable application	There are not enough tests	Application not easily maintained	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 the work upfront or work form the community ahead of training.
5	Loss of work	Crash of device/accidental work loss	Devices crashes and lose the work. Deletes wrong folders.	5	5	22	Accidentally deleted a folder resulting in losing majority of the work. Needed to be more careful and should have uploaded the work to GitHub.	Informed the training and working on the project to finish much of it as possible.