Risk Assessment

This risk assessment is to assess the risks involved with the Inventory management system before starting and one add to rest to provide an update and actions taken.

Key

Likelihood:

Unlikely	Possible	Likely	Certain
1-3	4-6	7-8	9-10

Impact:

Minor	Moderate	Major	Extreme
1-3	4-6	7-8	9-10

Risk Rating (Likelihood * Impact)

Minor	Moderate	Major	Extreme
1-30	31-60	61-80	81-100

Risk Register 1: Initial Scores and actions							
Risk #	Risk	Cause	Risk Event	Likeli hood	Impact	Risk Rating	Response strategy

1	Lack of Knowledge	Not knowing enough to complete project	Errors, struggling to complete	5	9	45	Use online tutorials, QA Community.
2	Internet Issues	Bad connection causing delays	May need more time to finish work, cannot complete certain tasks	3	7	21	It is not possible to predict this happening.
3	COVID-19 (Global Pandemic)	Illness preventing productivity	Not able to finish tasks	4	10	40	Social distancing, staying indoors.
4	Lack of Time	Not managing time correctly.	Run out of time/ unfinished project	2	9	18	Plan time realistically
5	Loss of Work	Not having a saved copy of our work which can cause us to lose it.	Losing work, may have to start over again	3	10	30	Backup, push code onto development branch once completed
6	Hardware Issues	Laptop issues which can cause us to be unable to complete the project.	Cannot complete tasks without adequate hardware	3	8	24	Make sure hardware is in good condition
7	Security	Exposing sensitive files/ getting hacked	Data loss, time wasted	5	10	50	Make sure data is secure and backed up. Do not push sensitive files onto GitHub
8	Unreliable applications	Software updates changing permissions/ expired free trials	May have to change software/ pay for full access	7	8	56	Make sure that you close anything that may run out the free trial, e.g. closing virtual machines

Risk Register 2: Final Scores and actions						
Risk #	Risk	Analysis	Likelihood	Impact	Risk Rating	Action
1	Lack of Knowledge and experience	Ended up struggling in most aspects including coding in java, linking java to SQL, and using GitHub	9↑	9	8↑	Put what was learned into practice. Rating increased as this risk led to errors in the project
2	Internet Issues	Did not become an issue. I used an ethernet cable to make sure the connection was consistent	3	7	21	No action
3	COVID-19 (Global Pandemic)	Did not become an issue. I was careful and made sure social distancing was in place	2↓	10	20↓	Risk reduced
4	Lack of Time	Time was close as I was not able to complete tasks that will enhance the user experience	4↑	9	36↑	Risk raised for future reference Will make planning a priority
5	Loss of Work	My lack of experience for using git and github can cause loss of work. Luckily I sought help to prevent this	5 ↑	10	50 ↑	Risk raised to ensure I understand the dangers of poor version control with git
6	Hardware Issues	No hardware issues	3	8	24	No action
7	Security	No security issues	5	10	50	No action
8	Unreliable applications	Luckily during this time period, there were no application changes/updates to prevent completing the project	7	8	56	No action