

Assessor Name: Don K. Isiko

Date of Review: 30/01/2022

Date created	no.	Description	Evaluation	Likelihood	Impact Level	Responsibility	Response	Control Measures (predicted)	Date of Impact	Actual Measures
30/01/2021	1	Software Bug	Either a bug caused by program logic, improper syntax or by the underlying API platform / IDE / OS that prevents the Application & development process from functioning as it should	High	Low	Don Isiko	Debug, the API platform being used and IDE have thoroughly stood the test of time through countless developers, there is a plethora of information available online	Employ good practice programming principles, like SOLID, KISS, DRY and by extension design patterns to minimise the chance that something goes wrong, and maximise the ability of other programmers to follow your code intent		
30/01/2021	2	Configuration conflicts	Accidentally deploying the Application to the main branch with dev spring boot profile	High	Low	Don Isiko	Redeploy application with correct profile	Automated testing on GitHub, all pull requests to the main branch are to be run through a GitHub action that will run the		
30/01/2021	3	GitHub server out of service	GitHub's servers go down for some reason and I am unable to push my work to their remote repository	Low	Low	GitHub	Use locally stored Git repository and push it to another SCM	GitHub employ various redundancy and security protocols to ensure high availability		
30/01/2021	4	Not finishing on time	Underestimating how much time it takes to implement the features chosen and not managing my time appropriately	Low	Medium	Don Isiko	Submit work done to date on deadline, highlighting as much of MVP deliverables as possible	Prioritise MVP above all other features, as well as documentation and planning, once all this has been complete to a satisfactory level, only then can additional functionality/goals be prioritised		
30/01/2021	5	Loss of Internet connection	Losing my internet access from home, which is my primary location for work, and being unable to work	Low	Medium	Don Isiko	Work from internet café or public library	Ensure internet fees are paid		
30/01/2021	6	Teacher/Mentor Unavailable	Mentors assigned to support me become unavailable due to sickness or other reason	Medium	Medium	QA	Rely on Project specification to guide me on meeting deliverables, consult QA for alternative mentors	QA have reserve mentoring resources should an employee become unwell		
30/01/2021	7	Hardware Failure	My computer breaks down and becomes out of commission	Low	High	Don Isiko	Obtain access to another computer	Regular back up strategy, Install Antiviral software and store computer away safely after use. Keep away from liquids!		
30/01/2021	8	Loss of work	My project data is all lost due to a SCM error or bad back up strategy	Medium	High	Don Isiko	Restore to most recently available backup	Regular back up strategy: save at least every 5 minutes, commit at the end of every sub-task, task, or story/feature		
30/01/2021	9	Sickness	Contract a bad case of COVID, or some other illness that prevents me from being able to code	Medium	High	Don Isiko	Rest and take medication to maximise rate of recovery	Minimise unnecessary contact outside immediate contacts, practice good sanitation, eat balanced diet, exercise, sleep sufficiently		
30/01/2021	10	QA server out of service	QA's servers go down for some reason and I am unable to communicate with mentors	Low	High	QA	Rely on Project specification to guide me on meeting deliverables, consult QA for alternative mentors	QA employ various redundancy and security protocols to ensure high availability		
30/01/2021	11	Natural Disaster	Pandemic, Flooding or other disasters prevent me from working on my project	Low	High	N/A	Restore to most recently available backup when normal working conditions are re established	Live in a location that is not prone to natural disasters (London)		
30/01/2021	12	Malicious interference	My accounts are hacked and compromised such that I am unable to continue working, or my data is intentionally deleted locally and remotely	Low	High	Don Isiko	Restore to most recently available backup when normal working conditions are re established	Employ good security practices, password protection, antiviral software, regular changing of passwords, do not leave physical hardware in unsecure locations		