HWA MonsterMaker Risk Assessment

This goal for this project is to create a Hobby Web Application that will enable a user to create, read, update and delete entries to and from a designated database.

Possible Risks

Risk	Description	Impact	Probability	Severity	Response	Mitigation Strategy
Family Issues	Real life issues require my attention	LOW	PROBABLE	ACCEPTABLE	In the event that real life issues require my attention, I would simply deal with the issue, whatever it may be, and then get back to work.	My children are at school most of the day and my wife knows that I am working, so for the most part I will be left alone to work. Any other real-life issues that occur will be out of my control.
Power Cut	I lose all electrical power in my house	LOW	IMPROBABLE	ACCEPTABLE	In the event that real life issues require my attention, I would simply deal with the issue, whatever it may be, and then get back to work.	In order to prevent a power cut from affecting my work, I will keep my laptop fully charged.
Town-Wide Power Cut	A power cut affects the whole town	MEDIUM	IMPROBABLE	UNDESIRABLE	In the event of a power cut that affects the whole town, my laptop has battery power to continue working for a while and there are locations in other towns where I can regain Internet access.	In order to prevent a power cut to the whole town from affecting my work, I will keep my laptop fully charged, and I am able to connect it to the Internet through my phone's data package to ensure my work is pushed and backed up.
Local Repo Loss	Local repository folder gets erased	MEDIUM	IMPROBABLE	UNDESIRABLE	In the event of my local repository folder getting erased, I could either try and recover the files, or redownload them from my last GitHub push.	In order to prevent my local repository folder from being erased, I will put it within a sub-folder marked with DO NOT DELETE.
Virus Infection	My home computer gets infected with a computer virus	HIGH	IMPROBABLE	INTOLERABLE	In the event of my computer becoming infected with a virus, I could try installing some antivirus software, and/or take my computer to a computer repair shop to see if there was a way to save and recover the data to an external device.	In order to prevent a virus from infecting my computer and affecting my work, I will make sure my antivirus software is up to date, and make sure not to click suspicious links or download anything unless I'm absolutely sure or its safety.

Corrupted Hard Drive	My home computer's hard drive becomes corrupted	HIGH	IMPROBABLE	INTOLERABLE	In the event of my hard drive becoming corrupted, I could try and take my computer to a computer repair shop and see if there is any way to recover the data.	In order to prevent my hard drive from becoming corrupted and affecting my work, I will make sure all work is saved regularly and that my computer is shut down properly whenever necessary.
GitHub Overwrite	My code on GitHub gets overwritten during an incorrect git push	MEDIUM	POSSIBLE	TOLERABLE	In the event of accidentally overwriting my code during an incorrect git push, I could simply recover the original code, either through GitHub, or with the git restore function.	In order to prevent having my code accidentally overwritten during a git push, I will make sure that what I am pushing, and where it is being pushed to, is correct before I do so.
GitHub Server Crash	GitHub servers crash, preventing access to the site or repositories stored there	HIGH	IMPROBABLE	INTOLERABLE	In the event of GitHub servers crashing, it is highly likely that access will be restored fairly quickly.	There is nothing I can do to prevent GitHub servers from crashing.

1. GitHub servers crash

Risk rating

LOW	MEDIUM	HIGH	EXTREME
• Acceptable • Ok to proceed	• As low as reasonably practicable • Take mitigation efforts	• Generally unacceptable • Seek support	• Intolerable • Place event on hold

LIKELIHOOD	SEVERITY			
	ACCEPTABLE *Little to no effect on event*	**TOLERABLE** *Effects are felt, but not critical to outcome*	**UNDESIRABLE** *Serious impact to the course of action and outcome*	**INTOLERABLE** *Could result in disaster*
IMPROBABLE *Risk is unlikely to occur*	Power Cut		Town-Wide Power Cut Local Repo Loss	Virus Infection Corrupted Hard Drive GitHub Server Crash
POSSIBLE *Risk will likely occur*		GitHub Overwrite		
PROBABLE *Risk will occur*	Family Issues			