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

1. Real life issues require my attention
2. Power cut
3. Power cut to whole town
4. Local repository folder gets erased
5. Computer gets infected with a virus
6. Computer hard drive becomes corrupted
7. Code gets overwritten during an incorrect git push
8. 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*	2		3 4	5 6 8
POSSIBLE *Risk will likely occur*		7		
PROBABLE *Risk will occur*	1			

Response to each scenario

1. 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.
2. In the event of a power cut, my laptop has battery power and I have other locations I could do my work in.
3. 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.
4. 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.
5. 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.
6. 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.
7. 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.
8. In the event of GitHub servers crashing, it is highly likely that access will be restored fairly quickly.

Control Measures

1. 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.
2. In order to prevent a power cut from affecting my work, I will keep my laptop fully charged.
3. 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.
4. In order to prevent my local repository folder from being erased, I will put it within a sub-folder marked with DO NOT DELETE.
5. 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.

6. 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.
7. 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.
8. There is nothing I can do to prevent GitHub servers from crashing.