

Event	Description	Response	Objective	Likelihood	Impact	Risk
Spring port failure	Some or all of my internet ports are being used up by all programs, so there is no free port for the server	Make sure that I am not running processes that use many ports up, or switch to a very unusual port (do not use port 8080)	Reduce the likelihood of being unable to use the server and increase uptime	1	5	5
Error in user input	The user inputs either wrong data or wrongly formatted data (e.g. not JSON)	Make sure that the input fields don't allow for this and that the JavaScript sends data as application/JSON	Reduce the likelihood of the server having a data input/retrieval related error	3	2	6
Denial of service attack	A user tries to overload the server with information so it cannot serve other clients	Try to find some sort of detection for denial of service attacks and block users	Reduce downtime of the server and allow the website to keep serving clients	2	5	10
Stealing content	A user downloads the webpage/CSS/Javascript uses it without permission	Make sure that the webpage/CSS/Javascript are under copywrite or covered under a license	Reduce the change that someone steals the content without crediting the author	1	2	2
GitHub server issues	The website the code and releases are hosted on becomes unavailable	Have a local backup of the code as well as an online copy	Reduces the dependency on one website for all our code	1	4	4

Users delete other users items/shopping baskets	Users may try to delete other users shopping baskets or items from their baskets	Try to implement some form of authentication of users	Stop malicious activity of users	3	5	15
Insufficient testing time	Not enough time to test the spring framework	Try to implement as much of the testing as I can, and the basics such as the RESP api should be fully tested	Make sure that the application functions as it should	4	4	16
Internet/Wi-Fi cutout	The Wi-Fi/internet connection cuts out and the server can no longer serve customers	Make sure I have alternate connection methods such as a mobile hotspot	Reduce downtime of the website and allow it to serve more customers	1	3	3

	Impact					
		1	2	3	4	5
Likelihood	1	1	2	3	4	5
	2	2	4	6	8	10
	3	3	6	9	12	15
	4	4	8	12	16	20

	5	5	10	15	20	25
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