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| --- | --- | --- | --- | --- | --- | --- |
| **Event** | **Description** | **Response** | **Objective** | **Likelihood** | **Impact** | **Risk** |
| Infection | Person becomes infected with COVID-19. | Wear a mask when outside, follow guidelines for the current tier. | Reduce the chance of infection. | 3 | 5 | 15 |
| Github servers | Github servers go offline either temporarily and I am unable to upload the source code and .jar files to the website. | Make I have access to another cloud provider such as google drive, GCP or Azure where I could potentially upload code and artifact to. | Not depending entirely on github for storage of code and artifacts. | 1 | 4 | 4 |
| Hard drive corruption | My personal harddrive corrupts and all files on it are lost. | Upload code and development files to github or another cloud VCS provider. | Backup of code onto a web provider so it isn’t all stored locally. | 1 | 5 | 5 |
| Security leak | Someone views the db.properties files and steals my credentials. | Do not upload the db.properties files, could instead ask the user for their credentials when accessing the database. | Eliminate the chance of someone connecting to the database and changing editing data, especially if someone can connect to an online database. | 2 | 2 | 4 |
| Insufficient testing time | Project is fully developed and feature rich but there isn’t enough time to get 100% coverage on the project due to tight deadlines. | Testing is done alongside regular development. Whenever a feature is added it is immediately tested to ensure coverage. | Reduces change of users being able to break the program with unexpected behaviour. | 4 | 2 | 8 |
| Internet inconsistency | The Internet may cut out or have poor connection sometimes. | Always have my phone nearby and available to hotspot incase of important meetings. | Reduces the chance that I will miss important meetings or be unable to present the project. | 1 | 2 | 2 |
| Lack of knowledge | Some tools in the project scope I have never used before such as, H2 databases and mockito. | Read the documentation on these tools and don’t change the code in the project that utilises these projects if I don’t feel comfortable or am unable to fix it if something goes wrong. | Reading will bring me up to a baseline understanding of how these tools. Not changing the pre-written code will stop things from breaking in the project. | 5 | 3 | 15 |

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|  | Impact | | | | | |
| Likelihood |  | 1 | 2 | 3 | 4 | 5 |
| 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 |