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| --- | --- | --- | --- | --- | --- | --- |
| Risk | Risk Statement | Response strategy | Objectives | Likelihood | Impact | Risk Level |
| GitHub | Any source code pushed to GitHub could potentially contain information that hackers would find useful when trying to a maliciously alter the project. The source files could potentially contain hard-coded login credentials which could allow for data leaks. | Use stronger passwords and usernames than just “admin” or “root”, and keep them regularly updated. | Reduce the likelihood of hacking and data leaks. | Medium | High | Medium-to-High |
| Planning | If the planning for the project is not clear or concise in what I am trying to achieve it could lead to loss of time to work on and complete the project and could affect the overall quality. | Ensure that initial planning is clear well thought out and available at all times to refer back to when developing the project | Keep design documentation clear simple and ensure it is well backed up | Medium | High | Medium-to-high |
| GCP Issues | Possible issues could be occurred with the use of Jenkins or GCP for example servers being down or overloaded/ unresponsive at times. | While there is no response I can take from my end, Google’s servers are usually very reliable, so this issue may be unlikely to occur, if this issue becomes severe I may have to use MySQL as an alternative. | Possibly be ready to switch to MySQL | low | medium | Low-to-medium |
| Audience understanding for presentation | The audience for the presentation may not be able to understand features or aspects of the project depending on how well I present the project and how well I manage my time when presenting. | I must remember and use good presenting skills and practice my presentation in preparation. | Avoid confusing the audience and ensure they understand the product. | medium | High | Medium-to-high |
| Health issues | Health and lifestyle issues could possibly affect the project, if I were to suffer an illness or If I were to not manage my lifestyle well such as not getting enough sleep for example are all problems I could face. | I must ensure that I don’t work too hard and make sure to get as much sleep as I require to function effectively I should take breaks regularly. | Stay healthy and keep safe. | low | high | medium |
| Repository Mismanagement | Repository mismanagement is an issue which could occur should I mismanage my use of it. | I should make sure that only data that is necessary to be stored in the repository are and that it is well managed | Ensure repository is well managed | low | low | low |
| Loss of useful files/data | Data loss is an issue that would need to be considered as it is always a possibility when working with any type of software and is always a possibility. | I must ensure that any files that are related to the project be securely backed up and to store files/data where I can easily access them | Unsure files/data are backed up and easily reachable to me | low | high | medium |
| Loss or depreciation/destruction of device | The devices available to me to work on this project could possibly become less effective, lost and unavailable to me or even unusable. | I must use my devices for working on sensibly and safely, and ensure that I have alternatives available were something to happen. | Make sure work devices are available | Low | low | low |
| Time management issues | Time management issues may and or will likely appear within this project. Mismanagement of time is an issue which can very easily happen appear from unforeseen circumstances. | I must attempt to stay on track with the weekly goals that have been set and, this could be achieved from setting smaller daily goals so that I can identify if I am falling behind earlier, so that I can rectify this earlier. | Ensure to meet weekly goals | High | medium | Medium-to-high |