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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. Avoid putting hard-coded usernames and passwords on github if possible. | Reduce the likelihood of hacking and data leaks. | Medium | High | Medium-to-High |
| Personal ability | Me not knowing or misunderstanding how to do something important could lead to me consuming a lot of time while I try to figure it out. | Ask Vinesh or Nick for help if an individual element takes longer than 10-15 min of me making no progress. | Reduce time spent not knowing how to complete a task | medium | medium | medium |
| Hardware failure | If my PC stops working I won’t be able to work on the project. | If possible fix quickly, if not try to use my old laptop. | Ensure that no/minimal time is wasted due to not having access to the projects | Low | medium | Low-to-medium |
| Hot weather | The hot weather may lead to dehydration and make it more difficult to concentrate, leading to reduced productivity. | Drink liquids frequently, use desk fan if very hot | Remain comfortable to enable productivity | Medium | low | Low to medium |
| Loss of data | If a session working on the project is interrupted unsaved work may be lost | Work on cloud services where possible, save work frequently and push to github | Ensure that no tasks have to be repeated due loss of saved work | Low | High | Medium |
| Inconsistent internet connection | M wifi connection sometimes has problems, preventing my computer from connecting to it. | Use personal hotspot on my phone if it cuts out when I need to connect for work, soon the house system will be upgraded | Make sure I can continue to work if my internet connection fails at some point | Low | Low | Low |
| System security | Test users’ data may be vulnerable if I do not implement proper security protocols | Learn all I need to know to make system secure and implement, encourage users to enter made-up info if not fully confident | Encourage test users to engage with system, guard against their input data being stolen | medium | high | Medium-to-high |
| Testing oversight | Insufficient user-end testing could lead to missing an important bug by focusing too much on other things | Test as many aspects of service as I can, look for volunteer system testers to make sure all aspects are covered | Make sure that there are no bugs in the final product that substantially inhibit functionality | high | medium | Med-to-high |
| Running short of time | As I approach the deadline it may be difficult to achieve everything I want to in the time allowed. | Make sure Jira board covers everything the project might involve so I know exactly what is left as all times, prioritise tasks which are crucial to functionality,  Work on presentation and readme as I go along | Get everything that I need to get done completed on time to help the final outcome | high | high | high |
| Files in wrong directory | If I accidentally save an important file for the project in the wrong file it will not be pushed to my github repo | Try to save things in the correct place first time, every week check contents of project folder against specification checklist | Ensure that all files are in the correct place so that they will be pushed correctly. | medium | medium | medium |