

| Risk | Risk Statement | Response strategy | Objectives | Likelihood | Impact | Risk Level |
|---|---|--|---|------------|-------------|------------|
| Protected Data Uploaded to Remote Repo | Any source code pushed to GitHub could potentially contain information that hackers would find useful when trying to 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. | High | High | Medium |
| Scheduling Mismanagement | When working on a project it is easy to spend a long time on low impact areas rather than working first on high impact areas, this can waste a lot of time. | Assign weighted times to work on each area of the project. | Use and allocate time efficiently with achieving the MVP as the goal. | Medium | Medium | Medium |
| SQL Injection | SQL injection attacks can be used to destroy data quickly. | Refactor the code to make SQL injection as difficult as possible. | Sanitise data entry so that SQL injection cannot be performed without database access. | Medium | High | High |
| Internet Failure | Lack of internet connectivity means that pushing to repo cannot be performed, new dependencies cannot be acquired and software documentation becomes difficult to acquire. | Have alternative methods of connecting to internet rather than one point of failure. | Reduce time spent being disconnected from internet if internet connectivity issues occur. | Low | Medium | Low |
| Development Platform Performance | The hardware and software on the development platform may not be able to handle the workload required to complete the project. | Alternate hardware available to be used if necessary. Can also acquire new parts to upgrade the development platform. | The development platform should be able to handle the workload without issue. | Very Low | High | Low |
| Radical Changes in Data Protection Laws | Data protection laws in the United Kingdom could be updated to stop personal details of customers being stored by private companies. | Code would need to be re-written to take customer data for each order and parse it without storing it. | Code base should adhere to SOLID principles so changes do not require project to be rewritten from scratch. | Low | High | Low |
| Covid Outbreak | The covid virus is present in the area where the project is being developed and there is a risk that the developers could catch this virus. | Developers should adhere to government policy and self-isolate to reduce risk of exposure as well as wearing a mask out in public. | To reduce the risk of developers contracting or spreading covid. | Medium | Low to High | High |