**Risk Assessment**

| Description | Evaluation | Likelihood | Impact Level | Responsibility | Response | Control Measures |
| --- | --- | --- | --- | --- | --- | --- |
| Hardware failure, (i.e computer refuses to startup) | While ongoing impossible to progress project | Low | High | Developer | Source a new machine. Keep the trainer informed. | Don’t download software from unknown sources etc. |
| Trainer gets ill | Confusion is sown about where to get help from regarding project | Low | Medium/High | QA | Ask QA where to get help from. |  |
| Developer gets ill | Project is delayed | Low | High |  | Informer trainer of illness. |  |
| Project is not properly managed | Towards the end of the week things might not have full time given to them | Low | Medium | Developer | Reschedule remaining time appropriately. Address what can be done with time remaining | Using Jira to manage the project |
| Services failure. (i.e. power or internet) | While ongoing impossible to progress project | Low | High | Service Provider | Source service from elsewhere. Keep the trainer informed of the situation. |  |
| Code fails to compile | Project MVP will fail while it persists. | High | Low(High if at handin) | Developer | Rewrite/edit the code until it compiles | Using eclipse to code, which gives a running update of compile errors. |
| .Jar file fails to meet MVP for crud commands ect. | Project MVP will fail while it persists. | Medium | Low(High if at handin) | Developer | Checkover code and rewrite/edit as required. | Testing the .jar file once it’s created |
| Deletion of work done. | Hinders project from progressing until recovered or redone. | Low | Low | Developer | Find the most uptodate commit on the most uptodate branch and pull down from the repo. | Using gitHub regularly as a repo to make saves of work done to. |
| Fail to hand in completed work. | Project fails | Low | High | Developer | Own up, respond quickly. | Set a few alarms to make sure that a push to main and pull request is completed at the end of the week. |
| Front end fails to communicate with backend | Project fails | Medium | Low/Medium | Developer | Checkover code, application properties and ports. rewrite/edit as required. | Check often, fail fast. |
| Run out of time | Project incomplete | Low | High | Developer | As It gets closer to the end reschedule time available as appropriate. | Use Jira to manage time effectively |

**RISK MATRIX**

**A matrix of likelihood by Impact level.**

| Code fails to compile(during project) |  |  |
| --- | --- | --- |
| .Jar file fails to meet MVP(during project) | Front end fails to communicate with backend |  |
| Deletion of work done | Trainer gets ill  Project is not properly managed | Hardware failure  Developer gets ill  Services failure  Fail to hand in completed work  Code fails to compile(project end)  .Jar file fails to meet MVP(project end)  Run out of time |