HWA Risk assessment

# Key

**Occurrence**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Never | Rare | Sometimes | Often | Constantly |
| 1 | **2** | **3** | **4** | **5** |

**Effect**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| None | Minor | Moderate | Major | Severe |
| 1 | **2** | **3** | **4** | **5** |

**Risk Rating**

|  |  |  |  |
| --- | --- | --- | --- |
| Low | Medium | High | Critical |
| 1-5 | **6-10** | **11-15** | **16-20** |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ID | Risk | Cause | Effect | Effect | Risk rating | Action |
| 1 | Not completing on time | Lack of or incorrect planning and preparation | Produced incomplete product | 4 | 17 | Time management utilised on JIRA however became not a priority though was not enough time for me to complete tasks. |
| 2 | Knowledge of JAVA, JS and HTML and other technologies lacking | Lack of experience | Application won’t be fully functional with all technologies interacting with each other properly | 4 | 16 | Made sure to revise material gone over on the course, all technologies understood to a good enough standard bar the ability to test the product. |
| 3 | SQL table relationships set up correctly | Incorrect setup for schema and incorrect annotations used on spring | CRUD functionality heavily affected | 3 | 9 | Looked at SpringDucks example and deduced the correct annotation to use. |
| 4 | Bugs in code | Junit testing not done or not enough coverage | May result in unanticipated or unasked for behaviour | 5 | 17 | Not enough time to do the testing due to working on functionality of product. Need to go over testing material. |
| 5 | Poor usage of version control | Incorrect usage causing work to be lost or causing work to be misplaced or not pushing enough and losing valuable work | Can affect time management of a project and could impact ability to complete other aspects of project. | 3 | 5 | Utilised feature branch model with each new implementation making sure to push to remote branch as often as possible. |
| 6 | Technical issues | Problems with faulty laptop/Wi-fi connection. | Could affect speed of task completion in during project. | 4 | 6 | No action needed in this area due to backing up and improved Wi-fi connection |