* As a developer to build a backend using spring in order to give the front end something to interact with.
* As a developer to have a functioning API in order to populate the backend.
* As a developer to integrate the API into the backend of spring to allow the backend to get/manipulate results from the backend.
* As a developer to develop a functional front-end using HTML and JavaScript in order to give the user something to interact with.
* As a developer to use spring-boot and other methods to style the front-end HTML in order to make the application more appealing to the user.
* As a developer to link together the frontend and the backend in order to give in the necessary functionality.
* As a developer check and confirm the functionality of the project in order to make sure the project functions as intended.
* As a developer develop integration testing in order to perform the testing functionality needed for the project.
* As a developer develop unit testing in order to perform the testing functionality needed for the project.
* As a developer develop the needed selenium tests in order to perform automated testing functionality.

Risk assessment

Key

Likelihood

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Rare | Unlikely | Possible | Likely | Certain |
| 1 | 2 | 3 | 4 | 5 |

Impact

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Negligible | Minor | Moderate | High | Critical |
| 1 | 2 | 3 | 4 | 5 |

Risk Rating (Likelihood \* Impact)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Low | Considerable | Moderate | High | Nope |
| 1-5 | 6-10 | 11-15 | 16-20 | 21-25 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Risk no. | Description | Cause | Risk event | Likelihood | Impact | Risk Rating (1-25) | Action |
| 1 | Time restriction | Not able to complete project in time | Not completing job within time frame | 4 | 4 | 16 | Make appropriate deadlines and targets or cut back to more essential tasks |
| 2 | Technical ability | Not having the skills of knowledge to complete project | Not completing job due to skills | 4 | 5 | 20 | Pay attention and study |
| 3 | Conditions of user | May become ill, change of heart of course, other issues that may affect the user during course | Illness, Injury, mental health, commitment to the training course | 1.5 | 2 | 3 | Occasionally going outside, looking after yourself |
| 4 | World events | Global pandemic | Becoming ill or family circumstances prevent completion of project/course | 2 | 5 | 10 | Maintain social distance |
| 5 | Facility Issues | Issues with QA, Trainers and services provided, | Disagreements with QA, conflict with trainers | 2 | 5 | 10 | Maintain good relationship with trainers (AKA be nice to Nick) |
| 6 | Software Issues | Issues with the software being used to develop project | Interpretations, github, etc fail | 1 | 3 | 3 | Maintain backups and have other appropriate software available |
| 7 | Hardware issues | Computer fails | Computer fails, corrupt hard drives | 1 | 2 | 2 | Maintain backup hardware (like a laptop) or schedule a new time to present |
| 8 | Services reliability | Internet issues/ Microsoft teams | Internet failure, Teams failure | 1 | 3 | 3 | Mobile data may be sufficient, at least to reschedule |
| 9 | Death | “Hold my beer” | Fatal accident | 1 | 5 | 5 |  |