# Risk Assessment

## Key

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Impact | | | | |
| Very Low | Low | Moderate | High | Very High |
| 1 | 2 | 3 | 4 | 5 |

|  |  |  |  |
| --- | --- | --- | --- |
| Risk Rating | | | |
| Low | Moderate | High | Extreme |
| 1 - 3 | 4 - 7 | 8 - 12 | 13 - 15 |

## Risk Table

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Ref** | **Risk Description** | **Cause** | **Risk Event** | **L** | **I** | **RR** | **Action** |
| 1 | Lack of Time | Poor Planning and underestimate tasks duration | Not completing the project by the deadline or submit an incomplete solution | 3 | 4 | 12 | Identify tasks and plan well ahead of time. Consult other people for estimation to get more accurate estimation |
| 2 | Misinterpretation of Project Scope | Not thoroughly going over project specification and lack of interaction with End client | Failure to identify key and must-have features and/or implementation of features out of the scope | 2 | 5 | 10 | Read the Project Specification multiple times highlighting the main points |
| 3 | Lack of Experience | Not enough time spent learning specific technologies | End up using certain technologies the wrong way and/or get stuck at multiple phases during the development stage delaying the project | 2 | 5 | 10 | Ask for help to more experienced individuals i.e. Trainers and other trainees. |
| 4 | Poor or absent Network/Connection | Routine maintenance, updates to network, busy network | Cannot communicate with team and/or end clients; Cannot access useful online resources | 1 | 5 | 5 | Have alternative ways to connect to the Internet instead of just relying on Home Wi-Fi, i.e. Mobile Data and Hotspot |
| 5 | Global Pandemic | COVID-19 Outbreak | Could affect working hours, as well as amount of hours spent in the project | 5 | 1 | 5 | Make alternative arrangement to be prepared to Work from Home, i.e. Set workstation in a quite environment |
| 6 | Laptop Malfunctioning | Laptop breaks down | Will affect working hours as a new device would need to be acquired and loss of progress | 2 | 5 | 5 | Have regular back-ups and have an alternative device ready. |
| 7 | Server Offline | No access to server | Will disrupt the correct functioning of the application | 1 | 4 | 4 | Use local environment as a temporary server to test the functionalities of the application |
| 8 | Final Solution Malfunctioning | The application does not run as expected and returns error messages | The end client will not be satisfied to have received a bugged version of the application essentially missing the project objective | 2 | 5 | 10 | Run frequent tests as new features are implemented. Run a final test before publishing and run different tests on different environments. |