# 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 | Incomplete MVP | Poor Planning and underestimate tasks duration | Not being able to implement Minimum Viable Product by Deadline | 2 | 5 | 10 | Identify tasks and plan well ahead of time. Consult other people for estimation to get more accurate estimation. Always update Jira Board to track progress |
| 2 | Not enough tests implemented | Implementing too many additional features without writing test classes or not writing enough test classes | Missing out on the minimum industry accepted testing coverage(%80) | 2 | 4 | 8 | Consider the Minimum Viable Product and ensure not to go too out of scope. Make sure to check test coverage as writing test classes to ensure at least 80% of entire code is covered. |
| 3 | Failure to implement new technologies | Not enough time spent learning specific technologies | Not being able to effectively implement the new testing technologies recently covered (Mockito and Selenium) | 1 | 5 | 5 | Consult the codes available from Trainer’s repository, and ask them for assistance |
| 4 | Failure to Implement Front End | Incorrect use of Bootstrap and/or JavaScript functions | Incorrect or non-functional implementation of the front-end | 1 | 5 | 5 | Ask peers or trainer to revisit your code to check for any bugs |
| 5 | Failure to Implement Backend | Incorrect declaration of relationship between entities or database creation | Incorrect or non-functional implementation of the backend | 1 | 5 | 5 | Check the database declaration code to ensure everything has been declared correctly, and/or ask for help to peers or trainers |
| 6 | Failure to Implement API | Not following the Enterprise Architecture Module Correctly | Failure to implement API correctly which could lead to not functional application | 2 | 5 | 10 | Revisit the Enterprise Architecture Module and check it’s being followed correctly, and ask help to peers and/or trainers |