Sehun Babatunde – TDL Assignment

| Risk | Risk Statement | Response strategy | Objectives | Likelihood | Risk Level |
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| GitHub | Any source code pushed to GitHub could potentially contain information that hackers would find useful when trying to a maliciously alter the project. The source files could potentially contain hard-coded login credentials which could allow for data leaks. | Use stronger passwords and usernames than just "admin" or "root", and keep them regularly updated. | Reduce the likelihood of hacking and data leaks. | Medium | Medium-to-High |
| Development Computer | My hard drive on my computer that contains my  assignment work could fail  would could result in data loss  me losing my project work. | Use the git commit and branch system on GitHub to break down each task so I can roll back features if I have accidentally overwritten work. The files will be also stored at GitHub's end.<br><br>Keep regular backups to pen drives , external hard drives  and I could use cloud platforms such as OneDrive and Google Cloud to have additional off-site backup. | Reduce the likelihood of data loss | Medium | High |
| Covid / other illnesses | Me or my immediately family  catches Covid-19 or other illnesses . | Maintain social distancing with outside strangers . Wear a mask while going outside and other external activities while outside my home.   Avoid unnecessary travel | Reduce the likelihood of catching COVID-19 or any other illnesses. | Medium | Medium-to-High |
| Software/ | One of the software  tools | Keep regular backups and maintain | Reduce the risk of IMS | Medium | Medium-to-High |

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| repo corrupting | integrated into my project (Maven, Junit, etc) corrupting or completing breaking with no fix in sight. Which could prevent progress of project work. | commits of project. Try to relink the repo links in the pom.xml file. Ask for advice from Nick. :) | assignment required and link tools from breaking/ | | |
| Stuck on a problem/ uncertainty | My progress working on task hits a plateau, as I come across an error or a problem. Or inability on how to move forward. | Ask for help from colleagues, Nick and search for the particular issue on the web (QA Community, Stack Overflow, W3 Schools) to help solve it. Use past experience and projects to help make a link with the new current issue. | Reduce the risk of getting stuck on a problem during the development of the IMS assignment. Reduce the risk of not getting the project completed. | Medium-to-High | Medium-to-High |
| Burnout/ Stress | If I feel the project is becoming overwhelming, or I lose confidence in my ability to complete tasks and complete the project. | Take regular breaks , participate in exercise and hobby activities to ease stress. Break tasks down into bite size manageable chunks. Utilise Jira Sprint board to manage tasks. | Reduce the risk of personal burnout which can impact mental state and progress of the IMS Assignment project. | Low | Medium-to-High |
| Time - Mismanagement | If I find I spend too much time on one particular task which takes away time from another while the deadline becomes closer. | Have regular checks on the assignment specification and mark scheme, to make sure I'm meeting the required tasks and functionality. Reach out to colleagues and Nick for assistance if needed. Set reasonable time limits on tasks, and prioritise harder and more important tasks and functions. Take regular breaks but also stay motivated to keep focused. | Reduce the risk of not completing the project from start to finish. Along with meeting the required functionality as expected in the assignment specification and mark scheme. | Medium | Medium-to-High |
| Project Bugs | If errors in my coding | Utilise Sonarqube & Junit to ensure best | Limit the numbers of bugs | Medium- | Medium-to-High |

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| & Feature creep/Out of scope | cause bugs in my project. In addition with feature creep I spend too long trying to implement a feature which could take time away from other more important functions and could also potentially break features. | practices. As well as maintaining good code, testing and eliminating bugs in my coding a project.  Utilise QA Community, W3 Schools and other  web sources  to look at aspects of Java or other technologies on how to utilise it. Reach out to colleagues and Nick for assistance and guidance.  Get the basic required functions and project working and up to a good standard, make a backup and then if I have time extend and expand on the project. | and other coding errors that appear in my project. Ensure I meet the require project specification to a good standard. | to-High | |
| Website CDN dependencies down ( | The Bootstrap & FontAwesome CDN go down, possibly breaking site functionality | Store a local host of website dependencies (FontAwesome, Bootstrap) in a local folder where the html files reference with a url. | Make sure the website work as intended | Low | Medium to High |
| User has JavaScript disabled | The user has JavaScript/ scripts disabled on their browser breaking site functionality. | Detect when the user has scripts disabled. JavaScript disabled and notify the user with a message to enable JavaScript | Make sure the website work as intended. (DOM manipulation, operations, event listeners) | Low | High |