**Risk Assessment- IMS Project**

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| Risk Description | Evaluation | Likelihood | Impact Level | Responsibility | Response | Control Measures |
| Injury/ illness | Strain related issues, or contracting an illness such as a flu/ covid | Low | Medium | Developers | Manage pain/ strain or if severe seek medical attention | Take breaks and stretch at regular intervals |
| Hardware issues | Non-functioning computer/ peripherals | Low | Medium | Developers | Repair/ replace broken hardware | Set up hardware correctly and request hardware if necessary |
| Network issues | Unable to connect to the internet | Low | Low | Developers/ service providers | Contact service provider for solutions | Use a fast and reliable service provider and have a backup location to work from if needed |
| Install issues | Failure to install and launch the necessary  applications | Low | High | Developers | Look for instructions/ attempt to install different versions or fix environment variables | Contact IT department for technical issues |
| Integration failure | Failure to establish connection between services- MySQL -> Eclipse | Medium | High | Developers | Check the port and URL match, fix time zone issues, if all fails use a local copy | Follow the correct steps as per instructions |
| Halted progress | Unable to find solutions to add features | Medium | Medium | Developers | Ask trainers/ peers for assistance | Do the appropriate research and |
| Loss of files | Possible file corruption or mismanagement | Low | Low | Developers | Attempt to recover or clone the latest version from GitHub | Organise folders well and have backups |
| Unresolved errors | Issues with writing code making it incapable of running | Medium | Low | Developers | Follow the error messages, identify the issues, and attempt to resolve | Use the debugger on eclipse |
| Version control issues | Issues pushing to GitHub or when merging | Medium | Medium | Developers/ service providers | Adapt code to merge correctly and use FBM and pull requests for proper version control | Follow good practise throughout the project |
| Testing issues | Failure to test or low coverage | High | High | Developers | Resolve failed cases and add more cases to increase coverage | Add cases where appropriate or ask for assistance from trainers |

Risk Matrix

