Application, table, Excel

Description automatically generated

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| **Ref** | **Risk** | **Statement** | **Response** | **Objective** | **Likelihood** | **Impact** | **Risk Level** |
| 1 | Internet malfunction | Internet at home down or critically unstable | Use 1 of three available cafes nearby | To have access to my Git-hub and to do  research | Likely | Moderate | 9 |
| 2 | Laptop malfunction | Laptop probability of overheating | Tab and application management to ensure laptop isn’t over working thus  overheating | To keep laptop from over working due to heat and humidity | possible | Minor | 4 |
| 3 | Burnout | Over working and time spent seated | Adhere to hourly idle notification alarm | To increase circulation, reduce stress  and sickness | Expected | Major | 16 |
| 4 | Time management | Managing time between tasks | Use a 1hr on 15mins off technique to  manage time | Increase productivity | Expected | Moderate | 12 |
| 5 | Faulty service | Git-hub down | Keep our local repo up to date | By having a local repo up to date, we will have always have a  reference | Unlikely | Minor | 2 |
| 6 | Database connectivity issues | Database not connecting | Copy any error message and search for  solutions | To have our database up and running | Possible | Moderate | 6 |
| 7 | Subpar unit test coverage | Unit test not reaching benchmark percentage | Evaluate failure message carefully | Take a TDD approach when running  unit tests | Possible | Moderate | 12 |
| 8 | Subpar Mockito tests | Mockito tests not achieving desired result | Focus on the simple tests and build up to difficult ones to save time and maximise  effort | To make sure we know what works, half tested is better than not tested | Expected | Moderate | 12 |
| 9 | Inability to deliver working application | There might be unforeseen edge cases which might affect delivery | Use KISS and work on the easy deliverables we can, if we have time advance to  the difficult | To have as close to a minimum viable product as possible for this sprint | Possible | Moderate | 6 |
| 10 | Git issues | Experiencing Git issues which might affect speed and also efficiency | Try as best to implement best practice of the feature branch  model | Use a git UI when we can  e.g. in eclipse or GitHub to minimise issues | Expected |  | 16 |

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| 11 | Kanban website down | Trello might go down and affect our work flow | Keep an offline up to date copy of Trello | To make sure our work flow is uninterrupted and time management  is maximised | Unlikely | Minimal | 1 |
| 12 | Errors in HTML, CSS & JS | Might experience errors that are time consuming due to learning new language | Keep things simple to minimise chances of errors | Have something very basic working and then build on it, so errors can be isolated | Likely | Moderate | 12 |
| 13 | Problems with Build | our final build might fail due to bad tests | Try to allow extra time before build and use TDD test approach | To make sure we have a working build | Possible | Moderate | 6 |
| 14 | Problems setting up Jenkins pipeline | Our project might face problems meeting the Jenkins deployment benchmark | Read the error messages carefully find solutions within a respectable time frame | To make sure we are able to build, test and deploy | Possible | Moderate | 6 |
| 15 | Problems with Build | our final build might fail due to bad tests | Try to allow extra time before build and use TDD test approach | To make sure I have a working build | Possible | Moderate | 6 |