Risk Assessment Matrix

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  | Severity |  |  |  |
|  |  | 1 | 2 | 3 | 4 | 5 |
|  | 1 | Low  1 | Low  2 | Low  3 | Medium  4 | Medium  5 |
| Likelihood | 2 | Low  2 | Medium  4 | Medium  6 | High  8 | High  10 |
|  | 3 | Low  3 | Medium  6 | High  9 | High  12 | Major  15 |
|  | 4 | Medium  4 | High  8 | High  12 | High  16 | Major  20 |
|  | 5 | Medium  5 | High  10 | Major  15 | Major  20 | Major  25 |

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| --- | --- | --- | --- | --- | --- |
| Risk | Description | Severity | Likelihood | Risk | Mitigation |
| Loss of Internet | Losing internet could lead to loss of productivity as one would not be able to access resources. | 5 | 5 | Major | Use hotspot functionality for temporary fix.  Use offline resources to complete other tasks.  Use a potential friends house to access mobile resources. |
| Illness | Potential Covid infection or general illness could lead to loss of productivity | 2 | 4 | High | Stick to Government guidelines on Covid.  General illness is hard to avoid, but online productivity should not be affected too much. |
| Personal Injury | Broken bones, particularly arms would lead to a complete loss of productivity. | 5 | 1 | Medium | Personal injury can occur at any time, but general advice to keep safe should be sufficient. |
| Procrastination | Being distracted from work, particularly in home environments is inevitable. | 2 | 5 | High | Create Time Management tools.  Realise when you are procrastinating and ensure work time is fulfilled. |
| Human Interference | With living with others, housemates could be a distraction. | 1 | 3 | Low | Be strict and tell housemates to be respectful of your work hours. |
| Electrical Faults | Electrical cuts would mean a loss of work. | 5 | 2 | High | Laptops and other mobile methods of working could be useful in mitigating this issue. |
| Team Issues | Working as part of a team may lead to conflicts of interest, particularly when pushing/pulling code from repositories. | 3 | 4 | High | Effective communication amongst team members could help to mitigate this factor.  Scrum Master ensures the team are assigned their own work so that no direct conflicts of interest occur. |
| Hardware Failure | This is especially relevant when running large tests, particularly the soak test | 5 | 4 | Major | Design the tests so they do not put too much strain on the system running the tests. |
| Lack of Familiarity with the required Tools | For those not as in tune with the tools required to complete the project this could lead to a bottleneck in performance. | 2 | 4 | High | Working as part of a team should mitigate these factors.  Proper communication amongst team members means problems can be resolved as people can play to their strengths effectively. |