**CE301 Project Risk Register**

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| Activity | Risk | Severity  (Major, Minor, Serious) | Probability  (Low, Medium, High) | Contingency Method(s) to Manage the Risk- A list of methods we will use to minimize the chances of the risk happening and/or the resulting damages of the risk |
| **Health & Safety** – operating computing equipment | Eye strain from looking at monitors can lead to headaches, poor posture and extended periods of work can lead to neck and wrist pain | Minor | Medium | Take breaks often, making sure to stretch and take time away from systems. Consider purchase of suitable extra equipment to reduce risk. If experiencing any physical symptoms, notify supervisor if appropriate and take suitable action (pain medication, supports) |
| **Technical** – Development environment not functioning | Updates in libraries or environment can cause the dev env to not function as expected | Minor (inconvenience more than an actual issue) | High | Implement a containerised development environment that can simulate a live environment. This will allow the environment to be consistent between work stations and environments, as the container configuration can be left untouched once set up. |
| **Technical** – Production environment not functioning as in Dev environment | Once deployed, the application may not function as expected due to differences in environment | Serious | Medium | As a deployed application will likely be using a domain name, this will need to be considered when developing. The application needs to be tested at various phases to ensure that it still functions correctly in a production environment. |
| **Technical / Functional** – Loss of work due to system failure/damage | If the device that the app is being developed on breaks or the drive becomes wiped/corrupted, then all work can potentially be lost | Major | Low | Work can be backed up periodically onto a removable drive, and also committing changes often to a remote repository should mitigate this issue. This will also allow the work to be accessed from any system that can gain access to the remote location |