**RISK ASSESSMENT**

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**Table

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| **Description** | **Evaluation** | **Response** | **Control Measures** | **Risk**  **Rating** |
| Technical Hardware Issues | Workstation breakdowns would result in failure to complete application within timeframe. | Utilize alternative workstation such as personal laptop whilst informing QA to issue another laptop as soon as possible.  Inform everyone in the team. | Ensuring project follows iterative procedures (Agile/ SCRUM). Project is therefore broken down and each progress is regularly committed to remote. Should any hardware issues occur; can simply pull source code to personal laptop and carry-on work so that it is completed within deadline. | 5 |
| Technical Software Issues | If the tools necessary to write, test and deploy code crash, this would result in incompletion of project within deadline. | Attempt to reinstall software and trouble shoot online for support. | Ensure software is regularly updated as it may resolve bugs. | 5 |
| Internet Connectivity | Internet goes down preventing access to online resources. | Contact Internet Service Provider to resolve issue. | Until internet is resolved worked locally. Use mobile internet access where required. Hence, decreasing the impact of the time wasted. | 10 |
| Consultants Well-being | Consultant falls sick or gets Covid-19; consequently, becomes weak and finds it difficult to work produce a good quality application. | Take rest and regular breaks. Inform QA academy if having difficulty. | Social distancing. Isolate if needed. Take medicine/ vaccination. Do not leave work to the last moments; instead work in smaller iterations and frequently. | 6 |
| Failing to fully understand the scope | Not successfully reviewing the project scope and hence failing to meet MVP. | Review scope to ensure application is what’s requested. | Constantly refer back to MVP checklist on scope document. | 13 |
| Broken feature or bugs/untested code pushed to main branch | Application has bugs or does not run at all. | Switch to previous commit. | Utilize dev branch before pushing to main. Ensure unit tests for validation of the application, with aims to aim to reach industry standard of 80% test coverage. | 10 |
| Failing to meet deadline | Poor time management and communication by team | Submit last working iteration | Daily Meets and ensure that everyone is checking up and supporting one another | 10 |

**Risks experienced during project:**

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| **Description** | **Evaluation** | **Response** | **Control Measures** | **Risk**  **Rating** |
| Internet Outage- Many of the world’s largest websites went into shutdown causing disruption to project workflow  (Article Link below)\* | Platforms that were utilized for the success of this project such as GitHub and stack overflow, amongst others had suddenly stopped working during the second sprint and very close to the final deadline | Team had meeting with Project Manager, Vinesh Ghela. Eventually websites were back up. | Discussed that we will continue working with saving each commit locally until the websites were back up | 12 |
| Some of the team having internet connection issues | Team members whom experienced this found communication difficult due to increased lag. It also meant they were unable to share screens or start any live shares | Switched over to mobile network instead of home Wi-Fi for temporary internet access, | Speaking via Teams Chat to inform and communicate | 10 |
| ~Failing to fully understand the scope | Realised the need to complete the back end prior to tackling the front end. As a result the team had to do quite some refactoring | Made a separate GitHub Repo, one for the back-end as well as the original front-end | Constantly referring back to the scope in the daily stand-up | 9 |

**Internet outage\***

https://metro.co.uk/2021/06/08/major-internet-outages-reported-across-planet-affecting-multiple-big-name-brands-14736222/?ito=facebook%7Csocial%7Cmetroukfacebook&fbclid=IwAR0Q0OexaG\_W3sFTl\_Lfy4wh-vgaBUKCda3NhFeSDfWgfCLvpa5tfoM9DM8