Risk Assessment

Key

Rare	Unlikely	Possible	Likely	Certain
1	2	3	4	5

Negligible	Minor	Moderate	Major	Extreme
1	2	3	4	5

Low	Moderate	High	Extreme
1-3	4-6	8-12	15-25

Risk Register 1: Initial Scores and Actions

Identification of risks along with scores and actions required to mitigate them.

Ref	Risk Description	Cause	Risk Event	Likelihood (1-5)	Impact (1-5)	Risk Rating	Action
1	COVID-19	Contracting the virus	Unable to continue with work	2	3	6	Follow lockdown guidelines.
2	Lack of time	Improper time management	Incomplete project	2	4	8	Plan daily and adhere to agile development schema.
3	Versioning faults	Improper versioning / lack of git knowledge	Loss of data	1	4	4	Verify with team before performing major git operations. Use the pull request function on Github to compare branches.
4	Unreliable services	Github / GCP service interruption	Unable to access said service	1	3	3	Ensure local repository is updated. Host a local MySQL instance in case of interruption. Keep checking for scheduled maintenance.
5	Unreliable application	Not enough tests	Application is not as easily maintainable	2	4	8	Set aside days specifically for test and maintain tests throughout.

Risk Register 2: Midpoint Scores, Updates and Actions

Follow up and update in the middle of the project to review progress and reassess the risks.

Ref	Risk Description	Likelihood (1-5)	Impact (1-5)	Risk Rating	Update	Action
1	COVID-19	2	3	6	UK still in lockdown until further review.	Continue to follow lockdown guidelines.
2	Lack of time	1	4	4	The team has stuck to agile methodology and are ahead of schedule.	Continue to stick with methodology and keep morals high for the next sprint.
3	Versioning faults	1	4	4	The team has proved their git ability and have shown there is little chance of a fault occurring.	Continue to adhere to git best-practices.
4	Unreliable services	1	3	3	No scheduled maintenance for either service.	Continue to check for maintenance warning.
5	Unreliable application	1	4	4	Full back-end test suite has been implemented with 80% coverage.	Continue to build upon the test suite when implementing the front-end.
6	Lack of front-end dev knowledge	1	2	2	N.A.	Read up on front-end dev prior to next sprint.

| 7 | Internet issues | 3 | 2 | 6 | N.A. | Assure each team member updates their local repository regularly. |
| 8 | Remote deployment performance testing | 2 | 5 | 10 | N.A. | Assure testing is complete early in the sprint. Deploy and test privately prior to public access. |

Risk Register 3: Final Scores, Analysis and Actions

Analysis performed at the end of the project.

Ref	Risk Description	Likelihood (1-5)	Impact (1-5)	Risk Rating	Analysis	Action
1	COVID-19					
2	Lack of time					
3	Versioning faults					
4	Unreliable services					
5	Unreliable application					