Risk	Description	Response	Likelihood	Impact	Risk Level	Control Measures
Time Management	A possible risk is that we are not able to organise our time efficiently to make sure that we deliver a workable product on time.	Ensure jira board stories are followed and kept up to date so that everyone can see what the next tasks are.	Medium	High	8	To reduce the time spent on tasks that are less important and focus on the bigger hurdles that are present.
Github Compromise	There is a possibility that our GitHub can become compromised and our core source code and database are exposed for stealing data. A huge breach of data privacy.	Ensure that passwords and usernames are kept as safe as possible and not sent to anyone outside the group.	Medium	High	8	Reduce chances of being vulnerable to cyber attacks.
Github / Gitbash problems	Due to the fact the Engineer is new to Github / Gitbash, there is a possibility that utilisation can be misused which would cause push / merge problems.	The Engineer should refer to his reference notes taken during his training and any problems that cannot be resolved using those, his piers or google must be sourced via the instructor who is online, on Teams, for advice if needed.	Medium	High	8	The likihood of errors will be greatly reduced
Bootstrap failure	As bootstrap files are hosted on an online content delivery network it is possible that they will be unreachable.	Download as much of the bootstrap files used in the project so that they can be reached at all times.	Low	High	7	Mitigates the effects of any Bootstrap failure during the Project duration.
Internet failure	A loss of service or slow connection can reduce the amount of work that would normally be produced.	Have alternate methods of connecting to the internet , e.g., use an ethernet cable if there are slow speeds and check network website for system outage reports daily.	Low	Medium	4	Reduce time wasted by lack of internet connection and slow production of work.
Computer Failure	If the computer was to crash during the project period then it could severely impact the amount of work that can be completed. Also there is a possibility that files could be corrupted and not saved resulting in loss of work.	Consistently save all work, push to Github regularly and ensure that the computer works correctly before loging on each day.	Low	High	7	Saving often will prevent most loss of data and completion of the project
Spring Boot problems	Due to the fact the Software Engineer is new to Eclipse Spring Boot, there is a possibility that features can be misused which would cause errors.	The Software Engineer should refer to his reference notes taken during his training and any problems that cannot be resolved using those, his piers or google must be sourced via the instructor who is online, on Teams, for advice if needed.	Medium	Medium	5	The likihood of errors will be greatly reduced
SQL Attack	SQL injection attacks are a type of injection attack, in which SQL commands are injected into data-plane input in order to affect the execution of predefined SQL commands.	Use safe programming functions that make SQL Injections impossible: parameterized queries (prepared statements) and stored procedures.	Low	Meduim	4	Confirm and sanitise data entry making SQL injection required, unable to be performed .