|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Identified Risks** | **Risk Score** | | | | **Comments** | **How To Control** | **Residual Risk (Risk After Control Applied)** | | | |
| **C** | **L** | **E** | **R** | **C** | **L** | **E** | **R** |
| Loss OF Data | 5 | 2 | 5 | 50 | This could include the but isn’t limited too   * Accidental Deletion of important files * Erasing of Files on GitHub * Accidental ‘corruption’ of files on GitHub | This can be controlled by the members of the group (1-all) periodically downloading the registry on GitHub and all other Files.  Doing this will create a secondary/tertiary source of data. | 5 | 1 | 2 | 10 |
| Data Security | 5 | 3 | 4 | 60 | This is the security of the data that is stored in the database. This will primarily be an issue when trying to rollout the database.  If proper encryption isn’t applied at this stage there is a potential that data can be corrupted, stolen or deleted entirely by an attacker. | Obviously applying proper encryption on all data in and out of the database will be crucial but can also inhibit the amount of chances that an attacker would have to effect this.  What we will do is test all connections (prior to encryption especially) on single machines or on a closed network in which we can control the devices that have access to it. | 5 | 1 | 1 | 5 |
| Website’s Being Down | 3 | 1 | 5 | 15 | This is extremely bad for a large group assignment and also it would affect the group heavily if websites where we have to submit parts of the assignment.  For example, if GitHub was down on the day in which spirt 1 was due the group would have no (clear) way to submit the assignment. | To prevent this being an issue, in a similar way to the control of loss of data the group can create redundancies such as backups of data.  Also, the group should be aware of the status of all required technologies so in the event of a website going down, the group is able to fix the issue as so as possible. | 2 | 1 | 3 | 6 |
| Group Members Getting Sick (or other like situations) | 2 | 3 | 4 | 21 | In a large group assignment that exists over the course of a semester it is almost inevitable that a member of the group will get sick. If this occurs the group will be placed under the strain of not having a member being able to work and (potentially) lacking a particular set of skills that are integral to the assignments completion. | Avoiding getting sick is a lot harder to do than planning for the event so that is a better way to control this risk.  The group should delegate tasks in such a way that multiple people are responsible for the task so should one of them get sick the task isn’t completely disregarded.  Also, the group members should (hopefully) have some knowledge of how all parts of the project work so that any discrepancies caused by the loss of a member can be managed. | 1 | 3 | 3 | 9 |
| Lack of group cohesion | 4 | 3 | 4 | 48 | In such a large group there is a tendency that people will start to “butt head” or disagree on how they think the group should proceed with the project.  This can cause members of the group to grow disinterested in the project and become a hindrance on the rest group when they aren’t working at their full capacity. | To avoid this the group has to be careful to avoid the quashing of ideas from all members of the group.  A good strategy to avoid this is for (in meetings) the group to create an agenda for discussions in which everyone has their own time to speak without interruption. What this does is allows people who are less controlling in conversations to still be heard. Also, the noting of this down in minutes will allow all members ideas to be recorded and potentially used. | 2 | 2 | 4 | 16 |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |

KEY

C = Consequences ( 1-5) : 5 being the worst

E = Exposure (1-5): 5 being the most people/things exposed to this

L = likelihood of occurrence (1-5): 5 being incredibly likely

R = Total Risk (multiplication of the other 3 values)