Risk Register

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| Risk ID | Description | Category | Risk Level | Strategy | Assigned Member | Status | Date |
| 1 | Platform Compatibility | Technical | M | - | - |  |  |
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| ID | Risk | Impact | Rating | Overall Rating |
| Probability |
| 1 | Scope Variations | Changes in the project scope will change the requirements for the product which we are developing. The impact of changes in scope is directly proportional to the progress of the project – the more time that we’ve spent developing our system, then the more work will be needed to modify it to accommodate new requirements. This could seriously affect the time taken to complete the project. | 3 | 9 |
| This is very unlikely to happen in our project. We have been supplied with a case study, with no further communication with a client. This makes it impossible for a client to contact us to request changes to our solution. Scope variations could only occur through a change to our case study. | 1 |
| 2 | Communication | Communication between the project team is essential for progress to be made. A breakdown in communication will result in a lack of synchronisation with completed work. For example, duplicate work may be produced, work may be incompatible, and confusion can occur as to the project aims and objectives. The project will take longer to complete, and the result will be poor. | 2 | 16 |
| We are likely to maintain effective communication during our project. We will all regularly attend in-person sessions, and outside of these we can maintain contact remotely using chat applications. | 4 |
| 3 | Inaccurate  Deadline Estimations | For our project plan, we have allocated estimated times of completion for each task. This is to help guide implementation and ensure that progress is on-track. These estimations could turn out be unrealistic in practice, which will require the timeline to be reconsidered. However, we have measures in place to accommodate for these timeline changes, as Gantt charts are easily modified. | 3 | 18 |
| Changes in deadlines are fairly likely to happen during the implementation. This is because we can only consider so many issues that we will face during development. Many issues can appear that were not considered, which will increase time taken to complete tasks and require a slight re-schedule. | 2 |
| 4 | Software Crash | We are using different software applications to develop our system. Our work requires an IDE to write code, which is mainly what we’ll be using. Other applications that we will use include Excel and mySQL workbench. All of these systems have a potential to crash, with the main loss being any unsaved work. This can be easily mitigated with a good practice of frequent saving. | 1 | 2 |
| Crashes happen reasonably often. They are often easily fixed with a restart too. | 2 |
| 5 | Programming Issues | There may be parts of our system which are difficult to implement. For example, we could be forced to use an unfamiliar library, or a given part of the system may be particularly complicated. This will increase time to develop at best, but could also end with us not being able to fulfil a requirement. However, 5 project members should be able to have enough combined knowledge to overcome most of these problems. | 2 | 16 |
| Difficulties in programming are very common. It is rare that something works first time, and many issues require more time to look at. | 4 |
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*Overall Rating = ImpactRating^2 \* ProbabilityRating*