**Risk Register**

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| **Risk Description** | **Impact Description** | **Impact Level** | **Probability Level** | **Priority Level** | **Mitigation** |
| Brief summary of the risk. | What will happen if the risk is not mitigated? | 1 (LOW) to 5 (HIGH). | 1 (LOW) to 5 (HIGH). | IMPACT x PROBABILITY. Address highest first. | What can be done to mitigate the risk? |
| Team member unwell | - Team member unable to complete their part of project  - Fewer resources for team to utilise | 2 | 2 | 4 | - Communicate that you are unwell quickly  - Reassign tasks to suitable members |
| Hardware failure | - Loss of project data  - Team member no longer able to contribute | 4 | 1 | 4 | - Make sure work is backed up (cloud server, USB, etc.)  - Have backup plan if primary hardware stops working |
| Ignore important project requirement | - The project does not satisfy the client’s requirements | 5 | 1 | 5 | - Confirm that all requirements before coding  - Communicate with client more |
| Client comes up with new requirements | - Project needs to be modified  - Impact time plan | 4 | 2 | 8 | - Check the time available and the importance, try adding |
| Team members have conflicting ideas | - Relationships within the team  - Reduce work efficiency | 2 | 3 | 6 | - Vote  - Members with conflicting ideas communicate individually |
| Client not satisfied with the product | - Impact the final marks  - Impact the client experience | 5 | 1 | 5 | - More communication with client  - After completing the design, can ask the client for comments |
| Poor time management | - Unable to complete on time | 3 | 3 | 9 | - Make a schedule |
| Skill overlaps amongst members | - Low efficiency  - Some parts have no suitable candidates | 1 | 4 | 4 | - Complete skills and resource audit  - Complete the difficult parts together |
| Payment security issues in backend | - Bank account number password disclosure  - Economic loss | 5 | 1 | 5 | - Use vulnerability and bug detection  - Conduct multiple tests |
| Data security issues in database | - Personal information disclosure | 5 | 1 | 5 | - Use a secure database  - Conduct multiple tests |

