**Risk Register**

| **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 |

