**Risk Plan –Omantha Tyre House last update: March 24th 2023 Author: 2137541- Malith Edirisinghe**

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| **Ref** | **Identified Risk** | **Probability** | **Severity** | **Risk Management Strategy  Comments (CO) / Mitigation (MT) / Amelioration (AM) / Opportunity (OP) / Fallback (FB)** |
| 1 | The client is unable to clearly convey his needs. | Low | High | **CO:** Because of the client's lack of familiarity with technical terms, it was challenging to define the needs.  **MT:** Update the client on the status of the project. |
| 2 | The project's scope was not properly defined. | Medium | High | **CO:**  The system's basic operations were disregarded, or unwanted functions were added to the system.  **MT:** Presented the scope to the client and have a discuss scope with him. |
| 3 | Time management issues. | Medium | High | **CO:** The project's estimated time frame can be exceeded.  **MT:** Developed and designed a Gantt chart and work breakdown structure to manage the timeline. |
| 4 | The project's resources might not be enough. | Medium | High | **CO:** The project cannot be completed before the deadline.  **MT:** Must quickly obtain the necessary resources. |
| 5 | Problems with the activity network diagram and Interface design. | Medium | High | **CO:** There were some difficulties encountered when drawing the diagrams because they are new.  **MT:** Team members had to study and design it in the correct way. Members of the team had to properly research and plan it. |
| 6 | Issues and mistakes with GUI design. | Medium | High | **CO:** The client asked that the website be created using the most recent version.  **MT:** Team members have to learn about the latest web design version. |
| 7 | Designing an EV analysis has problems. | Medium | High | **CO:** There were some difficulties encountered when drawing the diagrams because they are new.  **MT:** Members of the team were required to properly research and plan it. |
| 8 | The meeting with the client has been postponed. | Low | High | **CO:** The client meeting has been postponed due to the client's reason.  **MT:** Talked with the client and rescheduled a meeting. |
| 9 | Navigation Linking Problems. | Medium | High | **CO:** On linking the navigation to the suggested web application, problems emerged.  **MT:** Team members had to do their work and correctly plan it. |
| 10 | Front-end error. | High | High | **CO:** When developing the front-end of the website, Some problems occurred.  **MT:** The problems were solved using the internet and the knowledge of the members. |
| 11 | Validation error. | High | High | **CO:** There were some problems during validation for the login and register pages of the proposed web application.  **MT:** Remedies were found after a discussion with team members. |
| 12 | Database connection error. | High | High | **CO:** Unable to choose between MySQL and Firebase for database.  **MT:** Team members are discussing it. |
| 13 | Issue of chat-bot. | Medium | High | **CO:** The development and training of chat-bot encounter issues.  **MT:** Solved problems using YouTube, Stack Overflow, and W3school. |
| 14 | The client requested that the designs' colour be changed. | Low | Medium | **CO:** The client asked that some pages' colours be changed and was given instructions to adjust some changes.  **MT:** The changes were made after accepting the request. |

**Key**: **CO**=comments to explain risk; **MT**=actions to reduce probability of risk; **AM**=safeguards to decrease severity; **OP**=positive outcomes; **FB**=back up (“Plan B”)