

Risk Documentation

Title of Project

Revision History

Date	Version	Description	Author
10/02/2026	1.0	Initial risk identification for Interactive House	Anitta Antony

Risk List

Risk Description	Priority
R1. Delays in subgroup contributions	High
R2. Unclear or changing requirements	Medium
R3. Technical integration issues between subgroups	Medium
R4. Limited experience with chosen technologies	Medium
R5. Version control and merge conflicts	Low

Risk Handling Plans

R1 – Delays in subgroup contributions

Probability: Medium

Impact: High

Impacts - If one or more subgroups do not complete their tasks on time, it may delay integration and affect the overall project schedule.

Indications - Missed internal deadlines, lack of updates from subgroup members, or unfinished documents.

Mitigation Strategy - Regular communication between subgroup leaders and the project manager, early deadline setting, and redistribution of tasks if necessary.

R2 – Unclear or changing requirements

Probability: Medium

Impact: Medium

Impacts - Changing or unclear requirements may lead to rework and confusion between subgroups.

Indications - Frequent changes to documents, conflicting interpretations of system functionality.

Mitigation Strategy - Maintain updated documentation, review requirements during project meetings, and ensure agreement before implementation.

R3 – Technical integration issues between subgroups

Probability: Medium

Impact: Medium

Impacts - Different technical decisions between subgroups may cause difficulties when integrating components.

Indications - Interfaces do not match, incompatible data formats, or unclear responsibilities.

Mitigation Strategy - Define clear interfaces early, communicate technical decisions across subgroups, and perform incremental integration.

R4 – Limited experience with chosen technologies

Probability: Medium

Impact: Medium

Impacts - Lack of experience may slow development or introduce errors.

Indications - Frequent technical problems, slow progress, or reliance on trial-and-error solutions.

Mitigation Strategy - Use well-documented technologies, share knowledge within the group, and allocate time for learning and experimentation.

R5 – Version control and merge conflicts

Probability: Low

Impact: Medium

Impacts - Merge conflicts or incorrect use of Git may result in lost work or delays.

Indications - Conflicting commits, failed merges, or duplicated work.

Mitigation Strategy - Use protected branches, follow agreed Git workflows, and ensure changes are reviewed before merging.