

# Risk Documentation

## Interactive House Project (Device Subgroup)

### Revision History

Date	Version	Description	Author
2026-02-07	1.0	Initial Risks	Patrick Nordahl, Tony Nguyen

Risk Description	Priority
R1. Changing requirements during the project	High
R2. Issues with integration between device simulations and other system components	High
R3. Limited Experience with certain technologies used in the project	Medium
R4. Scope Expansion	High

#### R1

**Risk description**

As the project progresses, the understanding of device behavior and system interaction might improve, leading to changes in the initial requirements definitions.

**Probability:** High

**Impact:** Medium

**Handling Plan:**

Requirements will be treated as a living document and updated as the project progresses.

## **R2**

### **Risk Description:**

Integration issues might arise between the simulated devices and other system components due to mismatched assumptions or interface definitions

**Probability:** Medium

**Impact:** High

### **Handling Plan:**

Early alignment on interfaces and incremental integration testing will be used to reduce integration risks

## **R3**

### **Risk Description:**

The subgroup may have limited prior experience with certain technologies used for the project, which may slow development or cause implementation issues

**Probability:** Medium

**Impact:** Medium

### **Handling Plan:**

The group will implement functionality incrementally and validate each step before proceeding, reducing the risk of major implementation issues.

## **R4**

### **Risk Description:**

There is risk that additional features or devices are introduced beyond the initial defined scope, increasing complexity and development effort

**Probability:** Medium - High

**Impact:** High

### **Handling Plan:**

Clear prioritization of essential requirements will be maintained, and scope changes will be evaluated and agreed upon by the group before implementation.

