

Requirements Documentation

Interactive House

Revision History

Date	Version	Description	Author
2026-02-04	1.0	Initial functional requirements	Md Abu Taher

Requirements List

Requirement Name	Priority
R1. Create automation rule	Essential
R2. Edit automation rule	Essential
R3. Delete automation rule	Essential
R4. Execute automation rule automatically	Essential
R5. Validate automation rule configuration	Essential
R6. View list of automation rules	Desirable
R7. Enable and disable automation rules	Desirable
R8. View automation rule execution history	Optional

Requirements Descriptions

R1 – Create automation rule

The system shall allow users to create automation rules that specify a target device, an action to be executed, and a trigger condition based on time.

R2 – Edit automation rule

The system allows users to modify existing automation rules, including changes to the trigger condition, target device, or action.

R3 – Delete automation rule

The system shall allow users to permanently remove automation rules so that they are no longer evaluated or executed by the system.

R4 – Execute automation rule automatically

The system shall automatically execute an automation rule when its trigger condition is fulfilled, without requiring any additional user interaction.

R5 – Validate automation rule configuration

The system shall validate automation rule configurations before saving to ensure that all required information is present and logically correct.

R6 – View list of automation rules

The system shall provide users with an overview of all existing automation rules and their current status.

R7 – Enable and disable automation rules

The system shall allow users to temporarily enable or disable automation rules without deleting them.

R8 – View automation rule execution history

The system shall allow users to view historical execution information for automation rules, including timestamps and execution outcomes.