Requirements Documentation

Interactive House Project (Device Subgroup)

Revision History

Date	Version	Description	Author
06/Feb/2026	1.0	Initial skeleton and device list.	Ryad Hazin

Requirements List

Requirement Name	Priority
R1. Define Device Selection	Essential
R2. Create Skeleton	Essential
R3. Simulate Device State	Essential
R4. Print Status to Console	Optional
…	…

Requirements Descriptions

R1

Define Device Selection Decide which devices to include in our simulation. Based on the project description, we will start with a Lamp, a Coffee Machine, and a Temperature Sensor.

R2

Create Skeleton Build a basic code structure (classes) for each device so we have a "skeleton" to work with later.

R3

Simulate Device State Each device needs a simple variable to track its status (e.g., the Lamp is "ON" or "OFF", or the Temperature is "20°C")

R4

Print Status to Console Since we are not building a GUI yet, the device should simply print its current status to the console window so we can see it working.

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