

1. Actors:

- a. home owner
- b. company providing the management system.
- c. Household members

2. use cases with textual description

- **Use Case Name: Adjust Configuration**
 - **SCENARIO:**
 - The homeowner wants to adjust the configuration of the Smart Home Hub.
 - The home owner loads and operates the interface of the system.
 - Configuration is adjusted as the homeowner desires.
 - The home owner checks if the system is working as he or she wants.
 - **Actor:** homeowner
 - **Precondition:** The configuration interface of the system is available.
 - **Post-Conditions:** Check if the system is working as the homeowner desires.
 - **Related use cases:** Add a new device.
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- **Use Case Name: Replace Battery**
 - **SCENARIO:**
 - The homeowner or household members notice that the system isn't working as well because the battery is low.
 - A member of the household or the homeowner purchases a replacement battery.
 - The battery is then taken to the light or heater controller.
 - Replace and verify system functionality.
 - **Actors:** homeowner, household members
 - **Precondition:** Have a new battery.
 - **Post-conditions:** Check if the machine is back on track.
 - **Related Use Cases:** Adjust Configuration
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- **Use Case Name: Install System**
 - **SCENARIO:**
 - The house owner hires a company to install this system.
 - The company makes the smart system hub and the devices that connect to it based on what the homeowner wants.
 - The system is installed in a house, and connections are established.
 - The company determines whether the system can be turned on and is ready for use.
 - **Actors:** Company providing the management system
 - **Precondition:** The company has an order from a house owner (a client).
 - **Post Condition:** The installation system is on and ready for use.
 - **Related Use Cases:** Setup System
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- **Use Case Name: Add New Device**
 - **SCENARIO:**
 - The home owner wants to install a new device in his home.
 - The home owner gets the device and gives the management company a call.
 - The company completes the necessary work and gives the home owner the green light.
 - The home owner adjusts the configuration to install the new device.
 - The home owner installs the new device in a room.
 - The home owner verifies that the whole system is working properly.
 - **Actors:** home owner, Company
 - **Precondition:** Have new devices to install in a house.
 - **Post Conditions:** Confirm the system works correctly.
 - **Related use cases:** Adjust configuration
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- **Use Case Name: Setup System**
 - **SCENARIO:**
 - The system is installed by the company.
 - The company adjusts the settings of the software system so that a house owner can operate the system and also configure the system at will.
 - The company makes sure that the whole system is working properly and is easy for the house owner to operate.
 - **Actors:** home owner, Company
 - **Precondition:** Have the system installed for the first time in a house.
 - **Post Conditions:** Have a system that is easy for a house owner to operate.
 - **Related Use Cases:** Add a new device

