Home Automation System Requirements Specification

# Light Control

* 1. **The Home Automation System shall allow a user to switch a specific Light On or Off at any time.**

Abbildung 1 Light switch Use Case

* 1. **The Home Automation System shall support light control scheduling.**
     1. The Home Automation System shall allow to schedule a specific light to turn On or Off at a specific day of the week at a specific time.
     2. The Home Automation System shall allow to schedule a specific light to turn On or Off every day at a specific time.
     3. The Home Automation System shall allow to schedule a specific light to turn On or Off every weekday at a specific time.
     4. The Home Automation System shall allow to schedule a specific light to turn On or Off every weekend day at a specific time.
     5. The Home Automation System shall allow multiple schedules for the same light.
     6. The Home Automation System shall allow to remove a schedule
     7. The Home Automation System should allow to edit a schedule



Abbildung 2 Light scheduler Use Case

# Heater Control

* 1. The Home Automation System shall support setting a desired room temperature.  
     1. The Home Automation System shall regulate the heater to achieve the desired temperature.
  2. The Home Automation System shall allow to increase/decrease the room temperature.
  3. The Home Automation System shall allow to switch off the heater.



Abbildung 3 Heater Use Case