

## Created by:

Names: Mehmet Bulut, Ceren Karadayı

Numbers: 20200808008, 20200808029

Github Links: <https://github.com/mb4063>, <https://github.com/cerenkdy>

## Software Requirement:

1. The software allows users to log in system.
  - a- User can log in to the system by entering the user name and password.
  - b- After successful verification, the user will access the main page. If verification fails the web application returns an error message.
2. The software allows users to add a new user and delete a user.
3. The software allows users to display system status.
  - a- The main page contains a summary of the connected devices and their statuses.
  - b- The main page contains room statuses.
4. The application allows users to display the connected devices and their statuses in detail on another page.
5. The software allows users to select a room.
  - a- When the user selects a room, the application displays the room status for temperature, humidity, etc.
6. The software allows users to control devices.
  - a- User can add a new device and remove a device.
7. The application allows user to control some attributes such as:
  - a- Lighting Control

- Lighting control is the ability to manage the level and color of light. It provides the right amount of light where and when it is needed.
- Lighting control benefits are better energy management, increased safety, and increased security.

b- Shading Control

- Shading control is the ability to manage blind positions.

c- Heating Control

- Heating control is the ability to manage temperature without overheating and wasting energy.

d- Humidity Control

e- Multimedia Control

f- Video Control

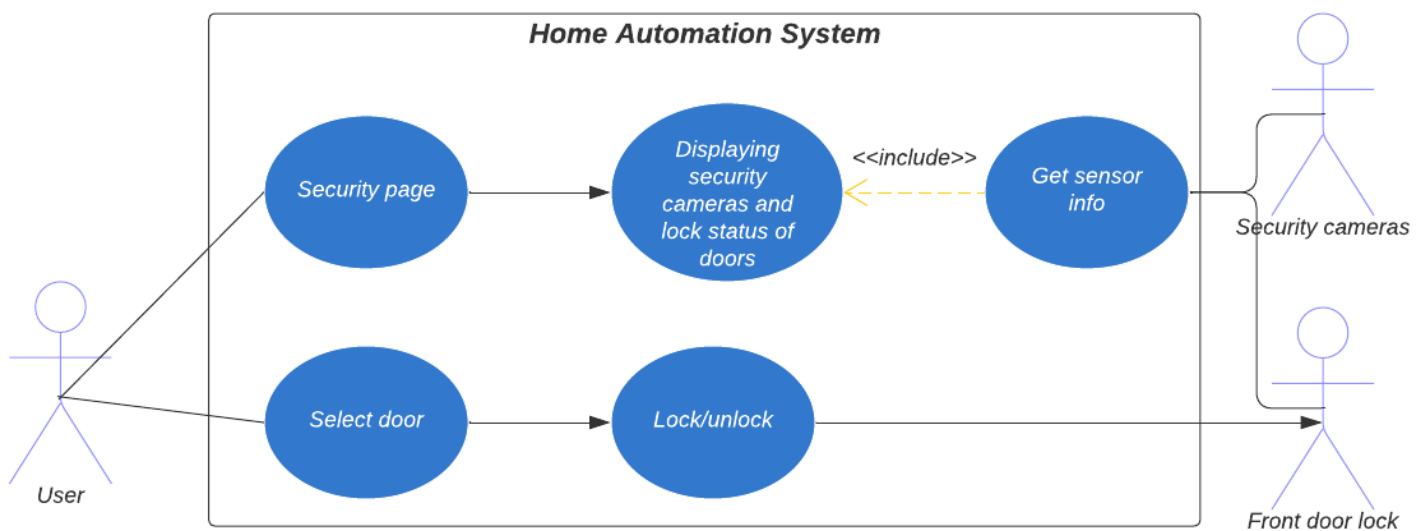
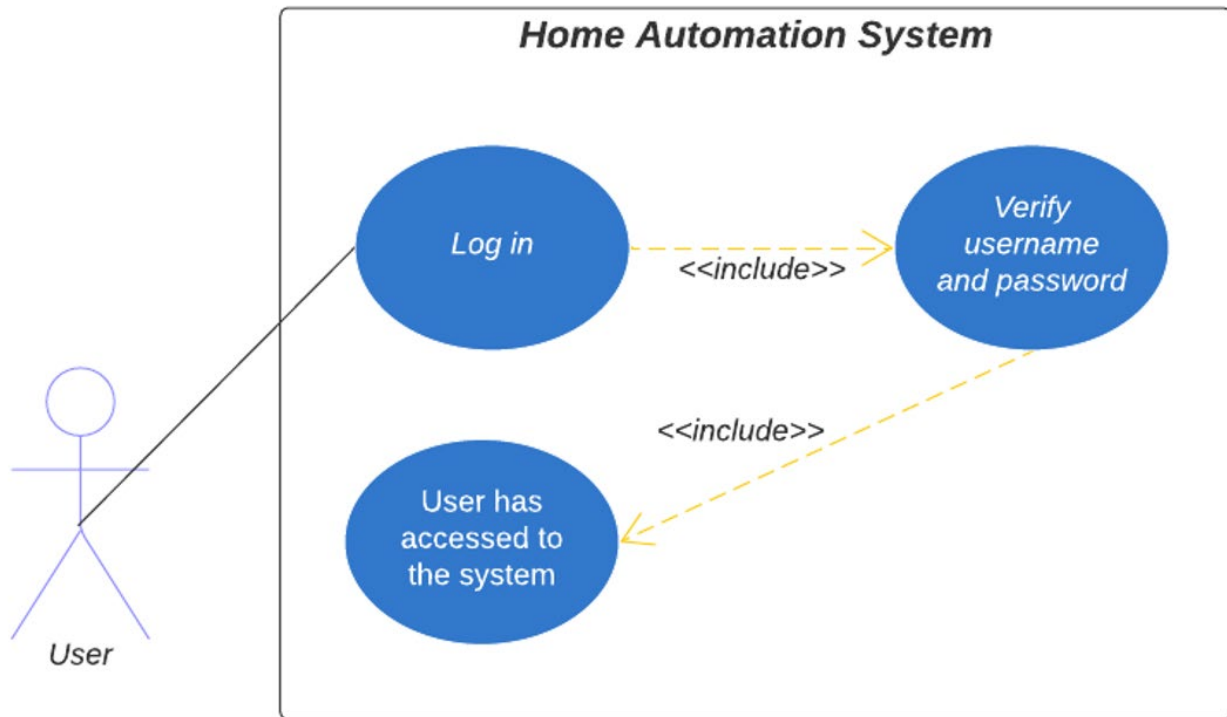
g- Audio Control

h- Security Control

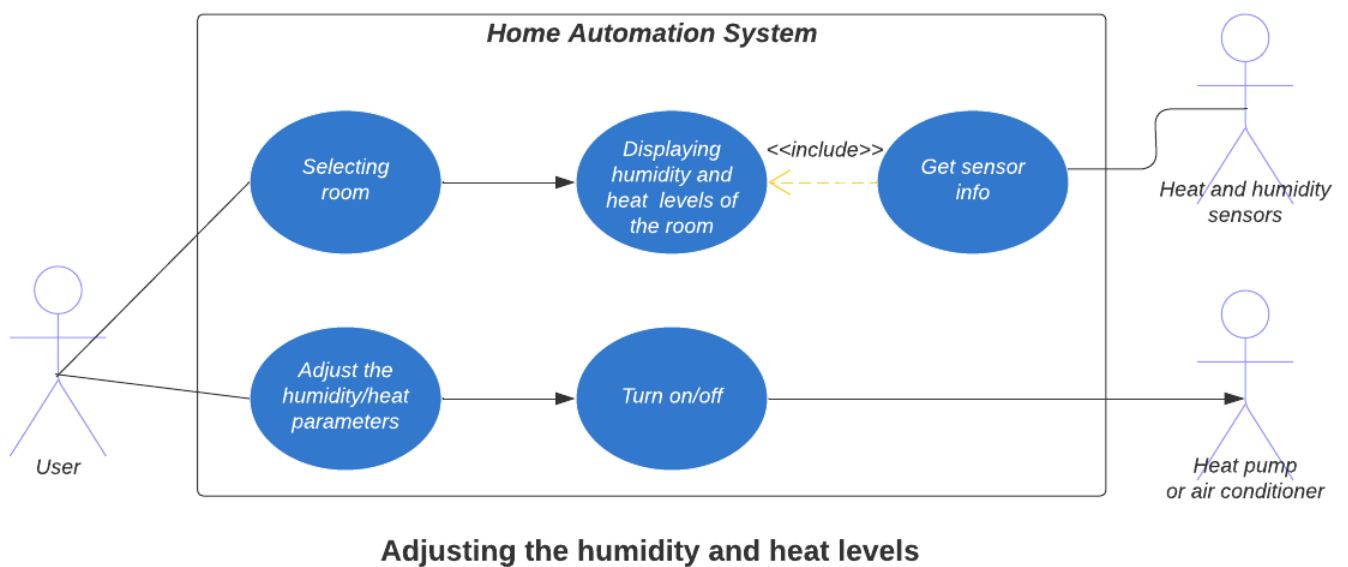
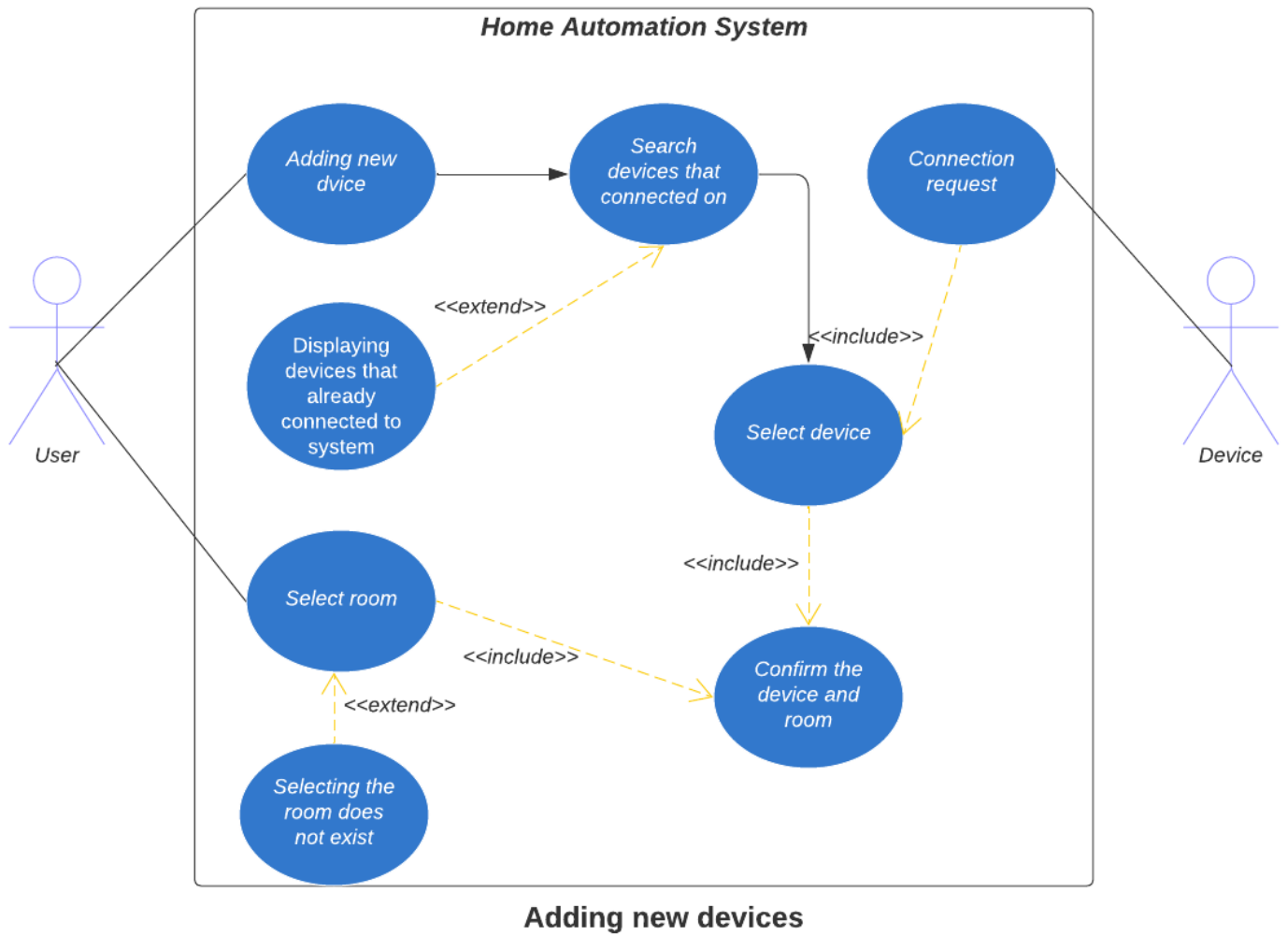
### Device List:

- Security cameras
- Doorbell and guest camera
- Front door proximity sensor
- Front door lock
- Lights
- Blinds
- Smoke and carbon monoxide sensors
- Air conditioner
- Heat pump
- Thermostat
- Television
- Speakers
- Wifi
- Robot vacuum cleaner
- Humidifier

## Possible Use Cases:



Opening front door lock



# Wireframe:

