CSE 236
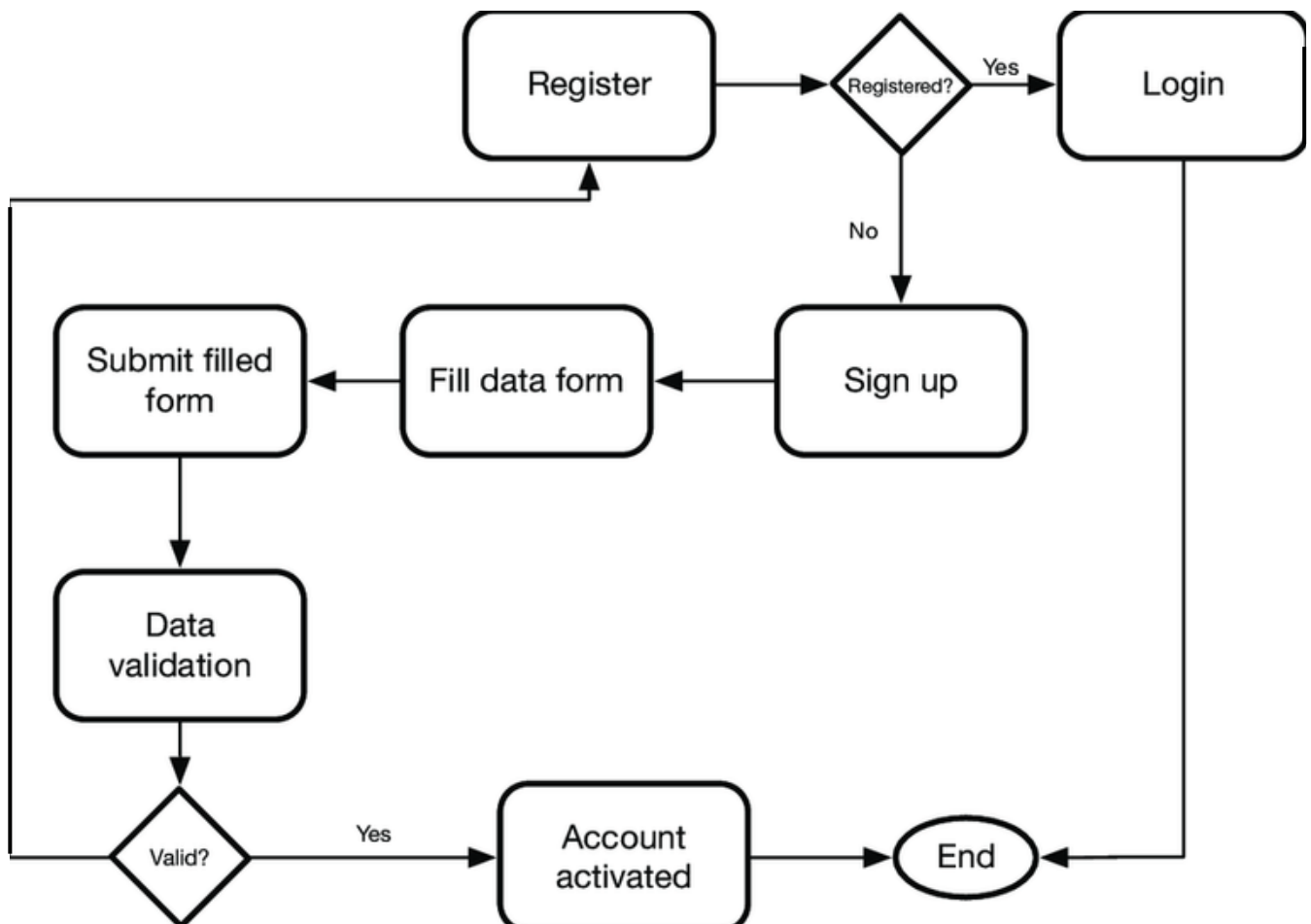
Web Programming

HOME AUTOMATION WEBSITE PROJECT

20220808621 Zehra Selin Karabıçak

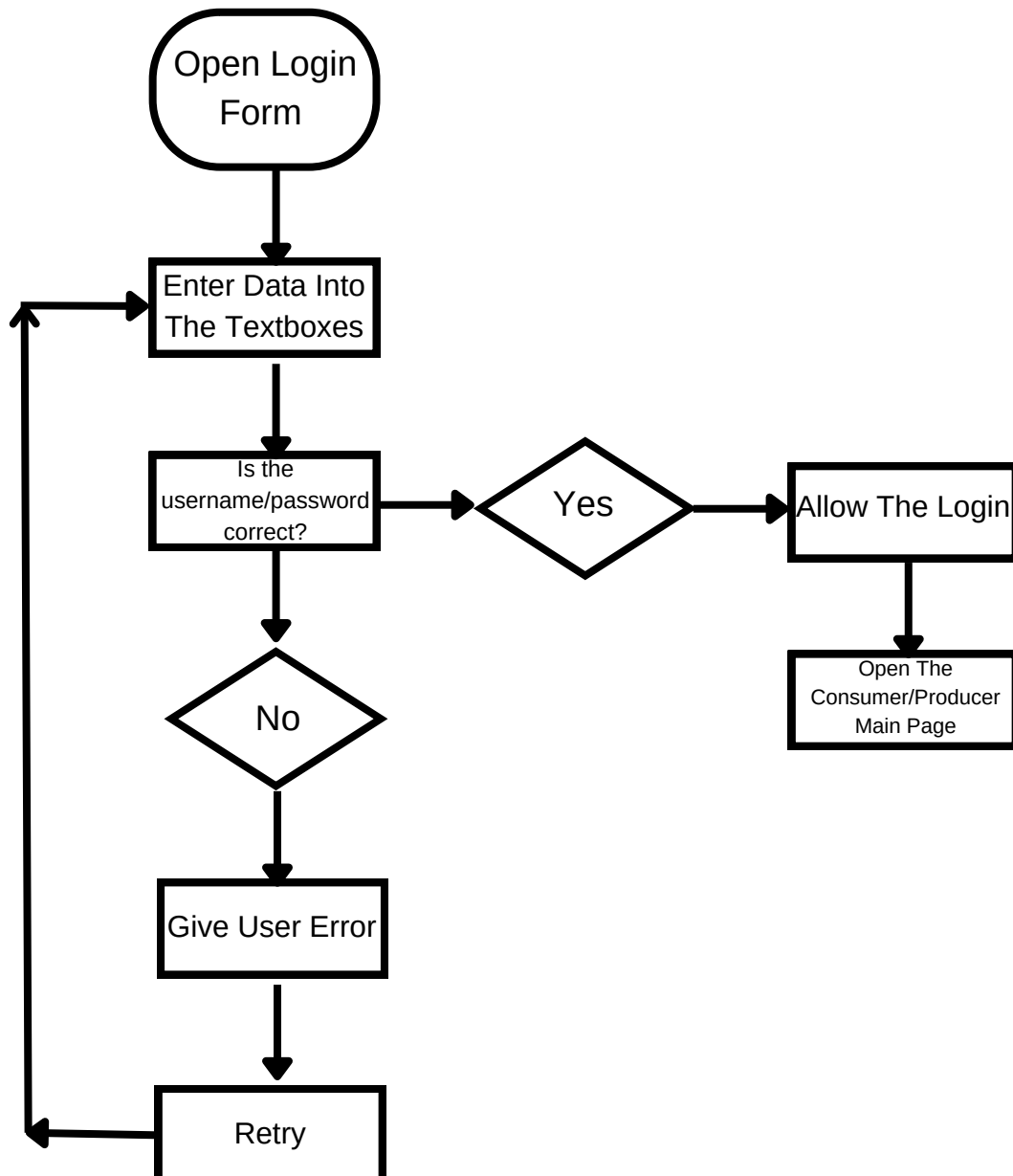20200808058 Tahir Emre Semiz

Sign Up Page

Register → Registered? — Yes → Login

Registered? — No → Sign up

Sign up → Fill data form → Submit filled form → Data validation → Valid?
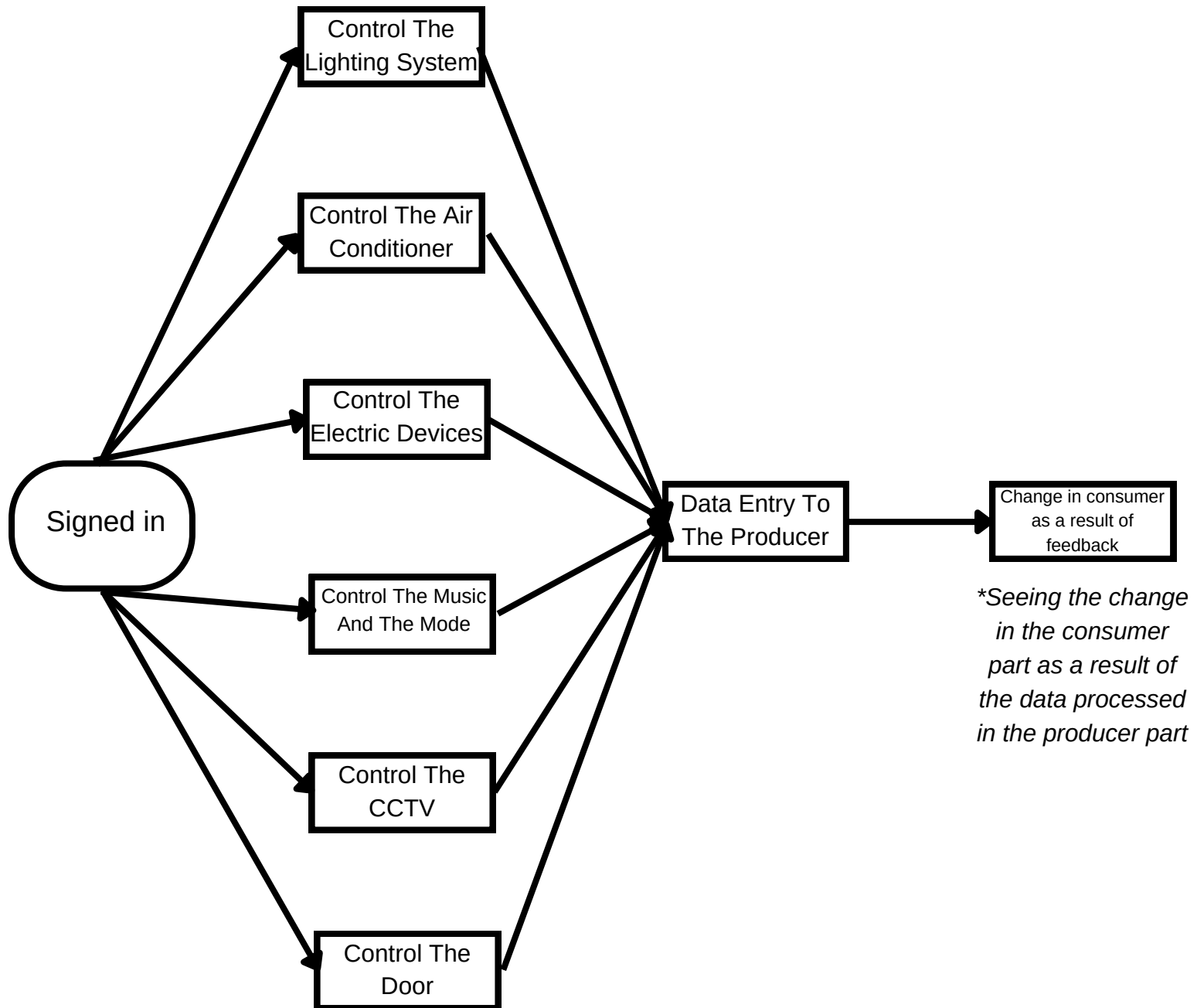
Valid? — Yes → Account activated → End

Login → End

The user registers according to certain criteria when registering for the first time. With this information registered in the database, he/she can log in to the account.

Login Page

Open Login Form

Enter Data Into The Textboxes

Is the username/password correct?

No

Yes

Allow The Login

Open The Consumer/Producer Main Page

Give User Error

Retry

He/she logs into the account with his/her previously registered information.

Consumer Main Page

```
                    Control The
                   Lighting System

                    Control The Air
                     Conditioner

                    Control The
                  Electric Devices

  Signed in                             Data Entry To    →    Change in consumer
                                        The Producer            as a result of
                   Control The Music                              feedback
                    And The Mode

                    Control The                           *Seeing the change
                       CCTV                                 in the consumer
                                                           part as a result of
                                                           the data processed
                    Control The                            in the producer part
                       Door
```

Seeing the change in the consumer part as a result of the data processed in the producer part
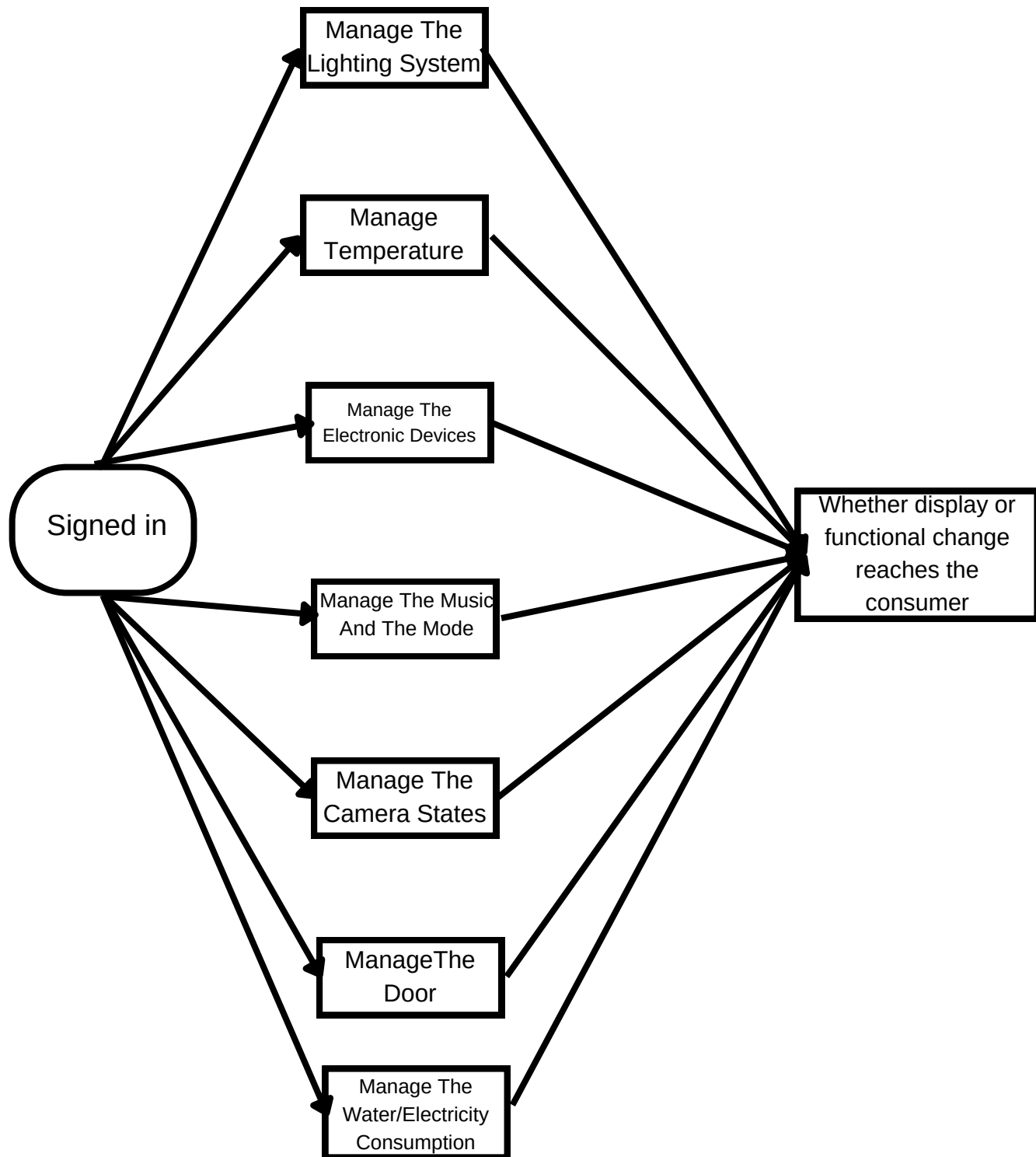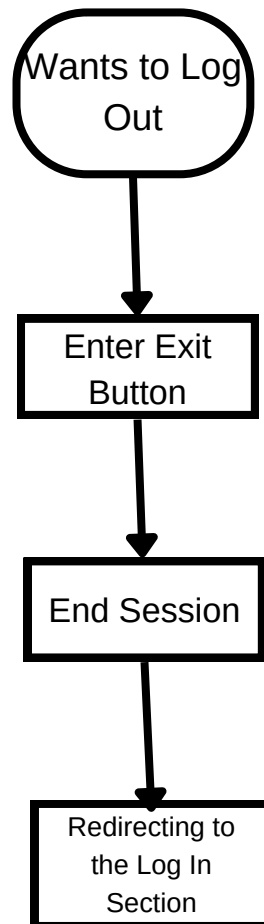
The request is sent to the producer by interacting with the user interface. Thus, the requests processed and answered there are reflected to the consumer.

Producer Main Page

Signed in

- Manage The Lighting System
- Manage Temperature
- Manage The Electronic Devices
- Manage The Music And The Mode
- Manage The Camera States
- ManageThe Door
- Manage The Water/Electricity Consumption

Whether display or functional change reaches the consumer

The data from the consumer is processed here, taking a result accordingly, making this result appear in the consumer (and on/off if necessary).

Log Out Page

Wants to Log Out

Enter Exit Button

End Session

Redirecting to the Log In Section

When the user wants to log out, he/she can easily log out with the click of a button

03:51:55
AM
Tue, 18 April 2023

ProducerName

Antalya hava durumu

Pt 17 Nis	●	19° | 12° Güneşli
Sa 18 Nis	●	24° | 12° Güneşli
Ça 19 Nis	●	21° | 11° Güneşli
Pe 20 Nis	◐	20° | 12° Çoğunlukta güneşli

Lighting

Kitchen	⬤	ON
Living Room	⬤	OFF
Bathroom	⬤	ON
Bedroom	⬤	OFF

Time the lights are turned off:
Living Room: 18.04.2023 || 01.11
Bedroom: 18.04.2023 || 00.57

Electronic Devices

Television	⬤	ON
Kettle	⬤	OFF
Dishwasher	⬤	OFF
Oven	⬤	ON
Washing Machine	⬤	OFF
Vacuum Cleaner	⬤	ON

Time the electronic devices are turned off:
Kettle: 17.04.2023 || 12.11
Dishwasher: 17.04.2023 || 23.42
Washing Machine: 17.04.2023 || 21.04

Electricity Consumption

This month you have consumed an average of 65 kWh of electricity per day.

Water Consumption

This month you have spent an average of 144 liters of water per day

Music

Playlist: playlist3.mp4

Music Mode: Bass Boosted

Temperature

Temperature of the house: 23°C

Camera States

CAM1: Recording 🎥

CAM2: Recording 🎥

CAM3: Recording 🎥

CAM4: Not recording 🎥

Door

Time when the door was last knocked:

17.04.2023 || 23.31

Last time the door was opened:

17.04.2023 || 19.57

Last time the door was locked:

17.04.2023 || 20.34

Camera Status Recording 🎥

Login

Username

Password

Log in

Login

Username

This field is required.

Password

This field is required

Log in

Incorrect username

Login

Username

Password

Log in

03:36:29
AM
Tue, 18 April 2023

Username

WELCOME! HOME SWEET HOME

What are you looking for?

Lighting

You can control the lighting system.

Kitchen

Living Room

Bathroom

Bedroom

Air Conditioner

You can decrease or increase the temperature of the house by controlling the air conditioner from here.

23°
19°
Home

Electronic Devices

You can control all electronic devices in the house from here.

Television

Kettle

Dishwasher

Oven

Dishwasher

Robotic Vacuum Cleaner

Music

You can load the playlist you want and listen to the song in the mode you want.

Playlist:

Choose	No file selected

Choose Music Mode:

Normal

Bass Boosted

Chill

Party

CCTV

You can watch the camera recordings here.

Select a date:
gg . aa . yyyy

Select a time:
-- : --

CAMERA 1   CAMERA 2

CAMERA 3   CAMERA 4

0:00 / 0:12

Door

You can control the door lock and watch the recording of the last door knock.
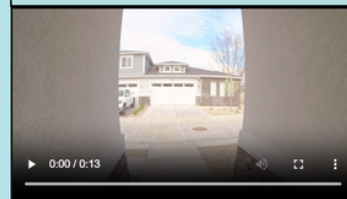
Lock

Date and time when the door was last knocked:
18/04/2023   04:23

0:00 / 0:13

Registration

Username

Email

Password

Password Repeat

Submit

Registration

Username

Username must consist of upper and lower case letters and numbers.

Email

Invalid email format.

Password

This field is required

Password Repeat

This field is required

Submit

Registration

Username

Username must consist of upper and lower case letters and numbers.

Email

Invalid email format.

Password

Password must be at least 6 characters.

Password Repeat

Passwords do not match

Submit