

# CSE236 WEB PROGRAMMING BASIC IMPLEMENTATION OF HOME AUTOMATION WEBAPP FIRST REPORT

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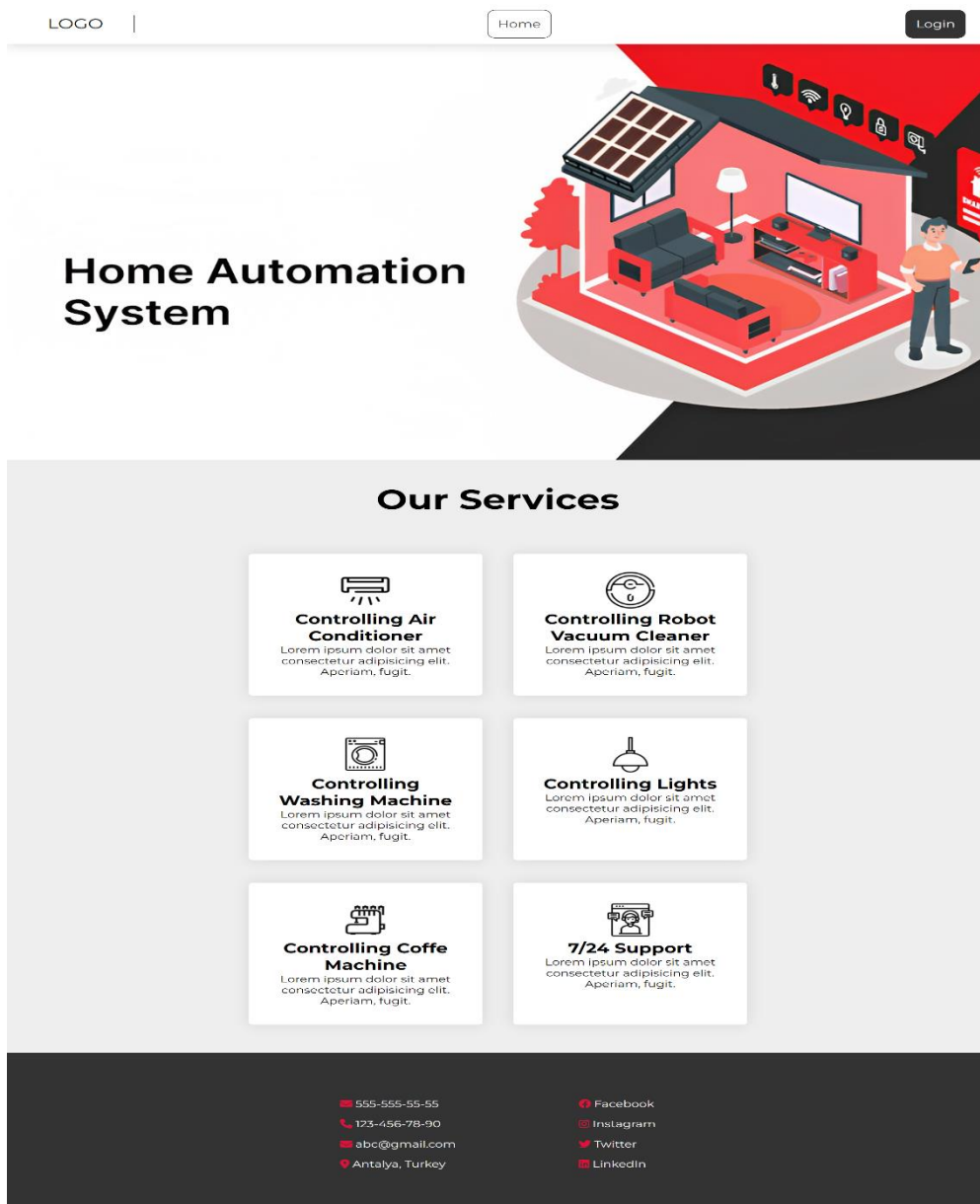
Number: 20190808061

Github profiles: <https://github.com/buraksazli>

<https://github.com/akincemtural9>

Github link for our work: <https://github.com/akincemtural9/Web-Programming-CSE236-Web-Project>

## 1 – Homepage



The homepage is shows what website we entered and user can be get login page if click Login from navigation bar.

## 2 - Login Page – Register Page

The image displays two screenshots of a web application's authentication interface, set against a light gray background.

**Top Screenshot: REGISTER Form**

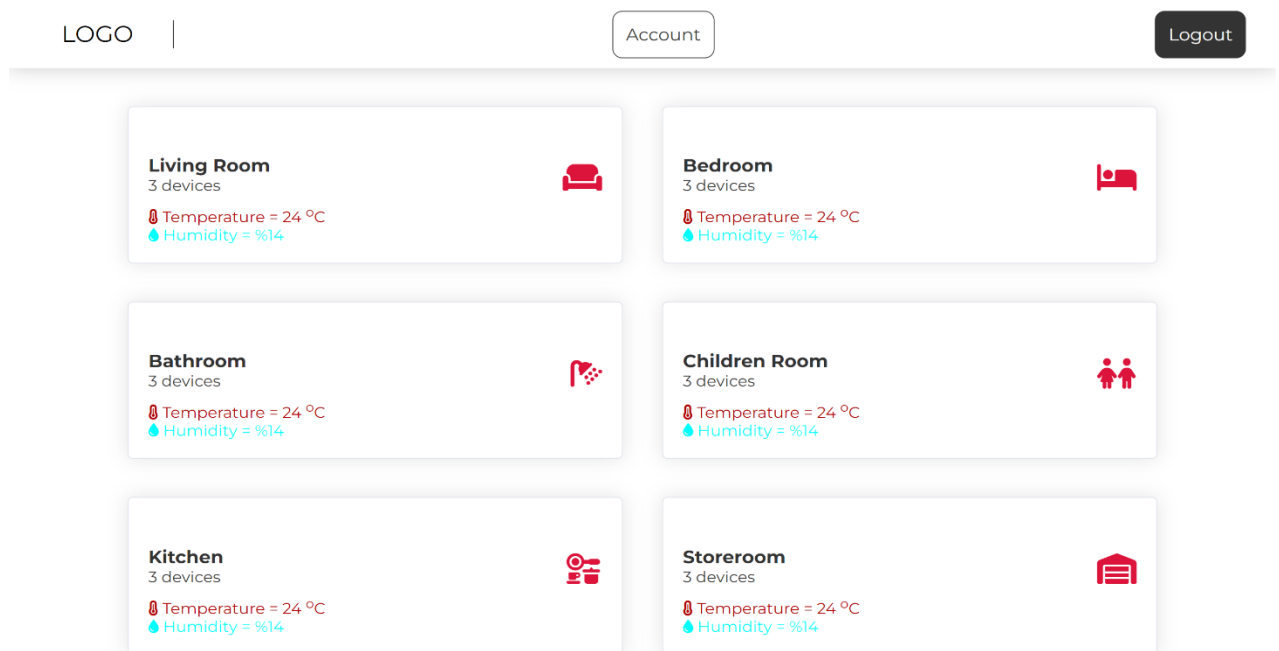
- Header:** The word "REGISTER" is centered at the top in bold black text.
- Form Fields:** A series of light gray input boxes with placeholder text: "Enter your name", "Enter your last name", "Enter your email", "Enter your password", and "Confirm your password".
- User Selection:** A dropdown menu below the password fields, currently showing "user" with a downward arrow icon.
- Buttons and Links:** A prominent pink button labeled "Register" is centered below the form. Below the button, the text "Already have an account ? [Login](#)" is displayed, with "Login" in pink.

**Bottom Screenshot: LOGIN Form**

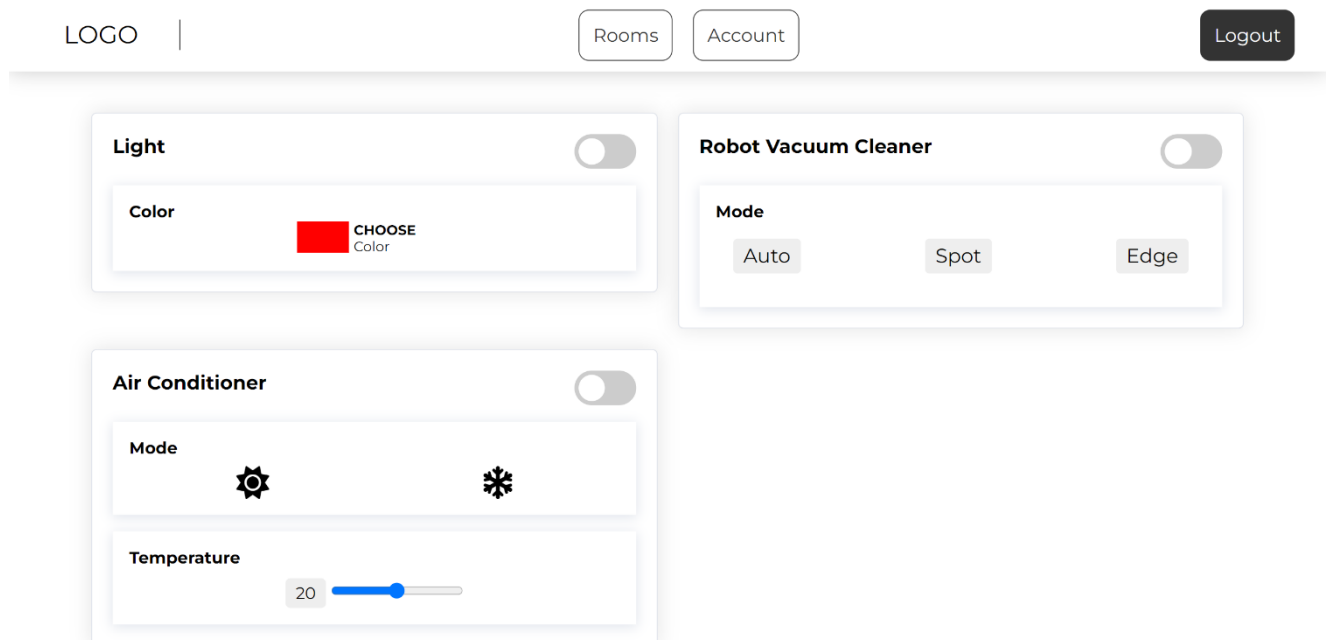
- Header:** The word "LOGIN" is centered at the top in bold black text.
- Form Fields:** Two light gray input boxes with placeholder text: "Enter your email" and "Enter your password".
- Buttons and Links:** A prominent pink button labeled "Login" is centered below the form. Below the button, the text "Don't have an account ? [Register](#)" is displayed, with "Register" in pink.

At the bottom right corner of the bottom screenshot, there is a small, partially visible text "A" and "G".

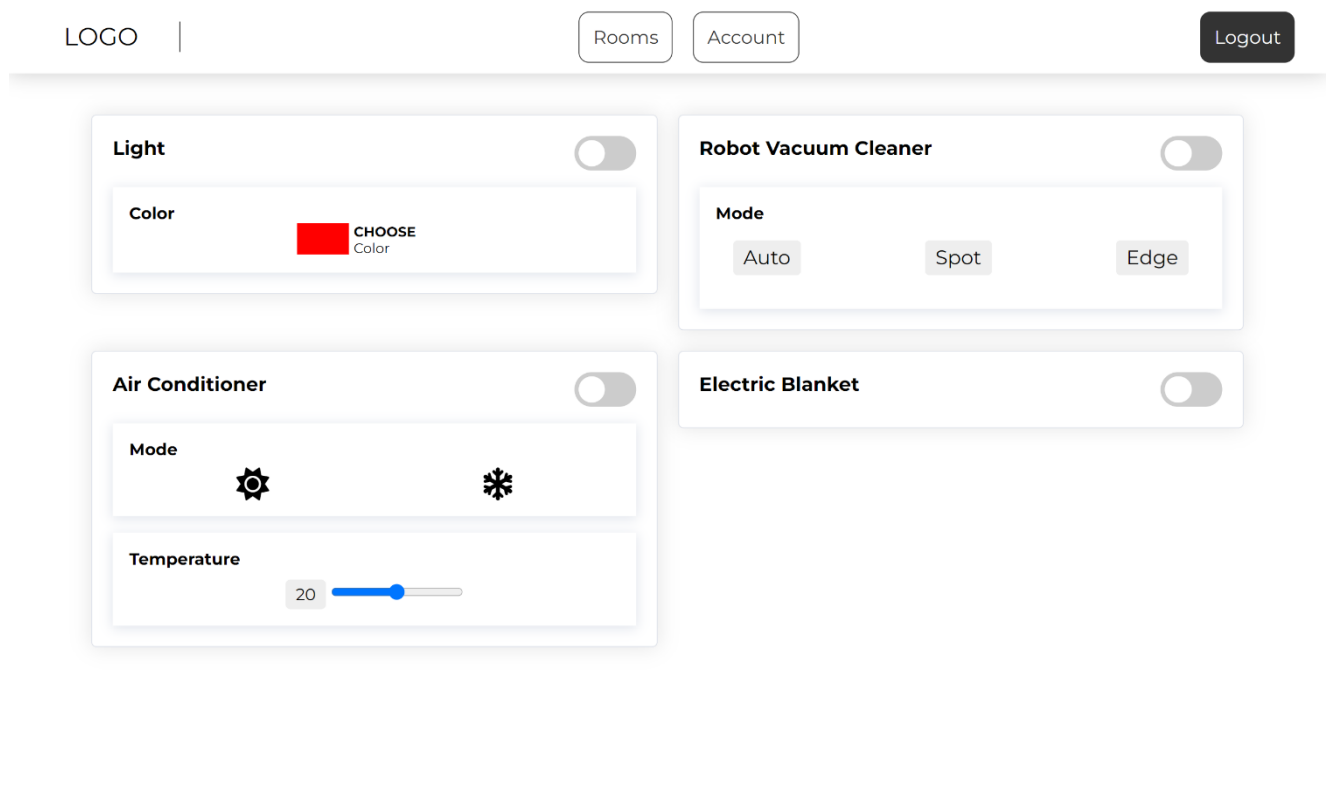
### 3 - Consumer Board Screen



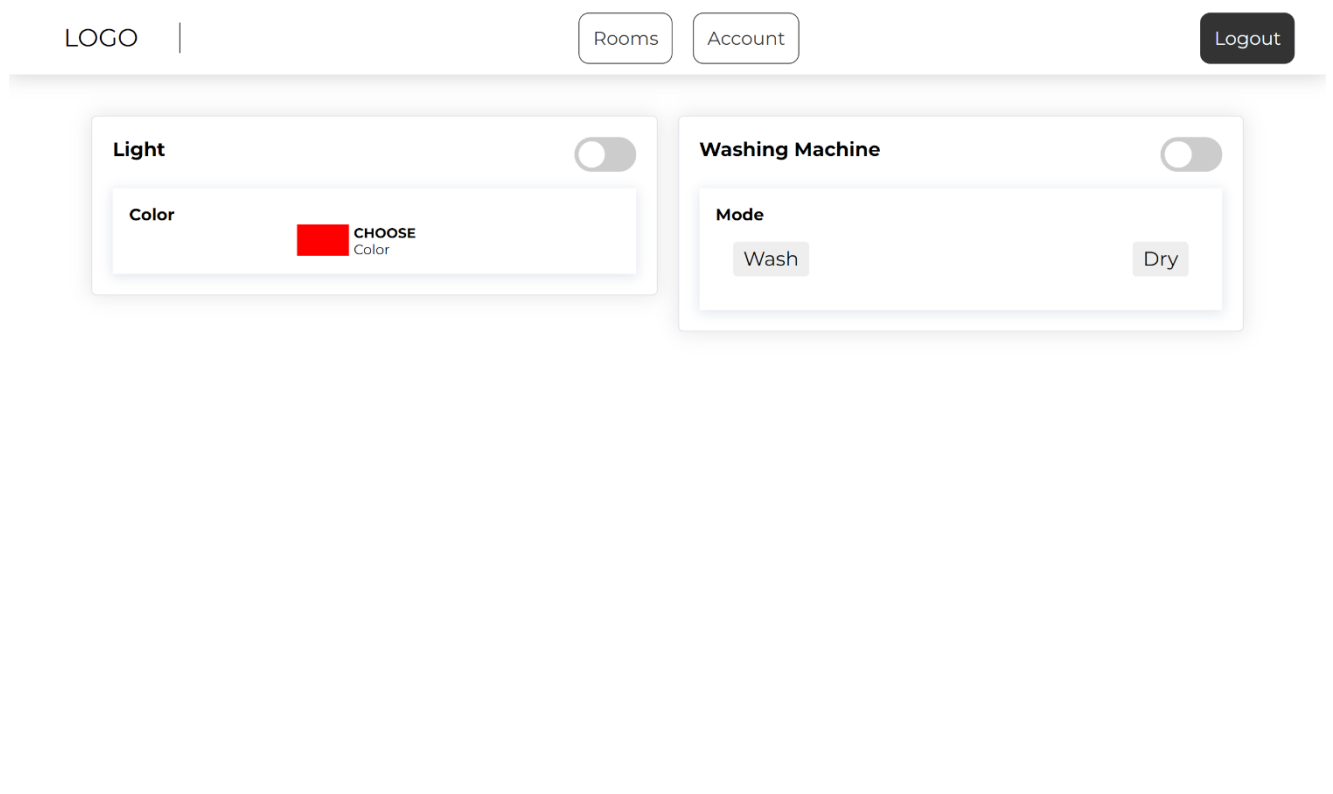
This page is used for controlling the sensors and devices. User can see what rooms the app includes. If user click one of the boxes, user can see what devices and sensors belong to the room. And if user click account from navigation bar, user can see her/his own profile infos. And logout button sends the user to the homepage and user will be log out.



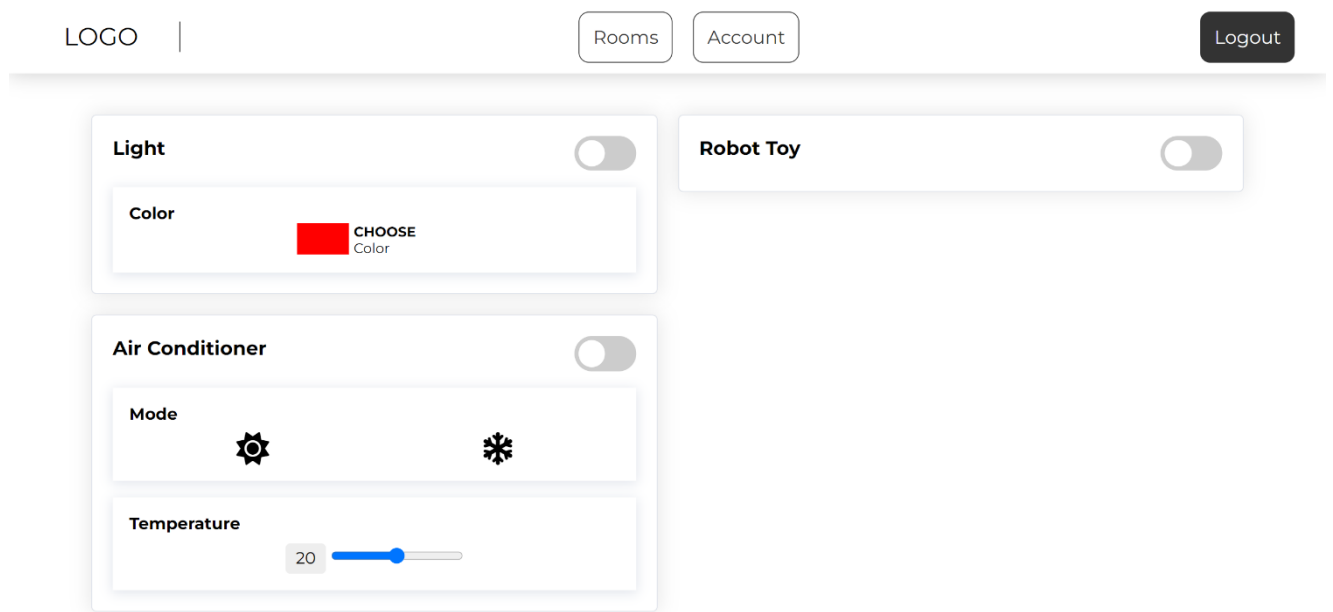
For example, this page is used for living room and user can see what devices there in the room and control them.



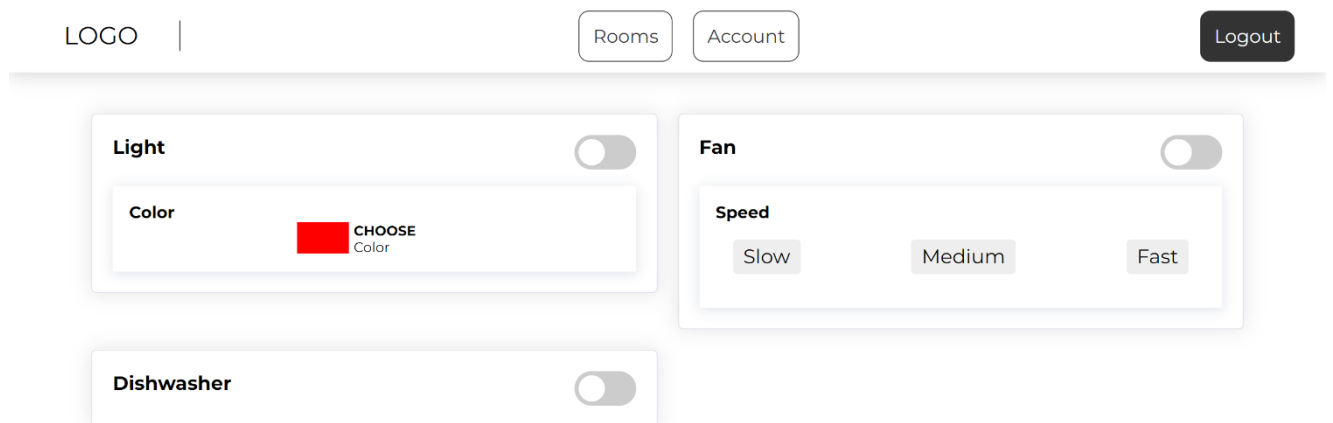
It is for bedroom devices.



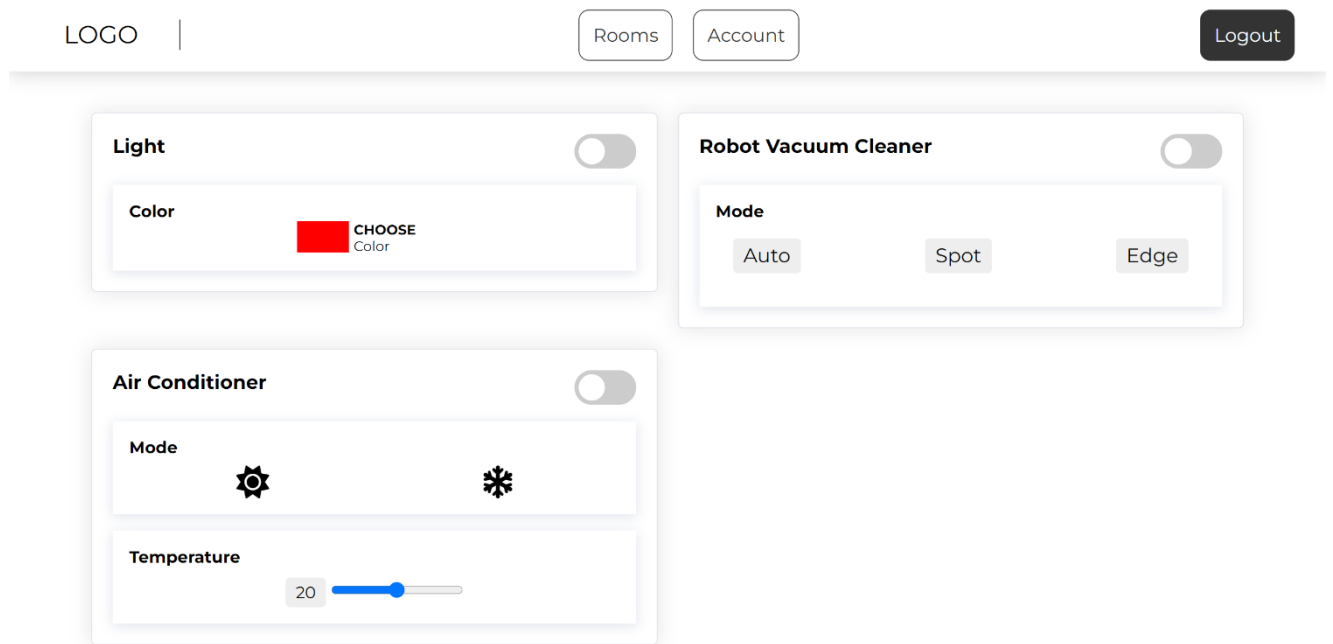
It is for bathroom devices.



It is for children room devices.

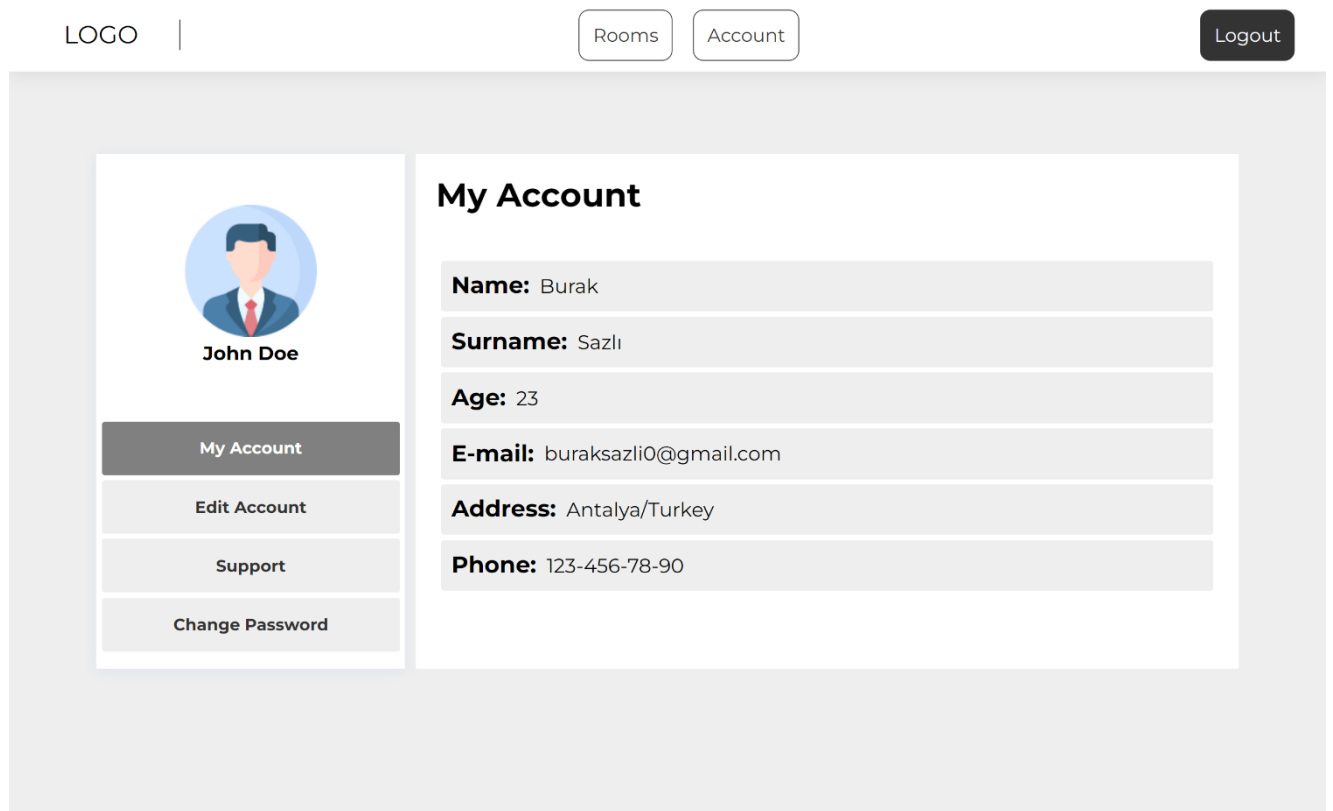


It is for kitchen devices.



It is for storeroom devices.

#### 4 – User Account Pages




This page for user informations. User can see her/his informations from this page. If user clicks rooms button, user will be get rooms page and if user clicks logout button, user will be

get log out. And user image's below, there is an sidebar. If user clicks the edit account button, user can be get information edit page. If user clicks the support button, user get support page and can send messages about his/her problems on application to the company.

LOGO | 

RoomsAccount

Logout



John Doe

My Account

Edit Account

Support

Change Password

## Edit Account

**Name:**

**Surname:**

**Age:**

**E-mail:**

**Address:**

**Phone:**


Edit

This page is for editing user informations. User can change his/her informations from this page.

LOGO | 

RoomsAccount

Logout



John Doe

My Account

Edit Account

Support

Change Password

## Support

Subject

Your message

Submit


This page is for support. User can send messages for customer problems to the company.

LOGO | 

Rooms

Account

Logout



**John Doe**

My Account

Edit Account

Support

Change Password

## Change Password

New Password

Write your new password

Confirm new password

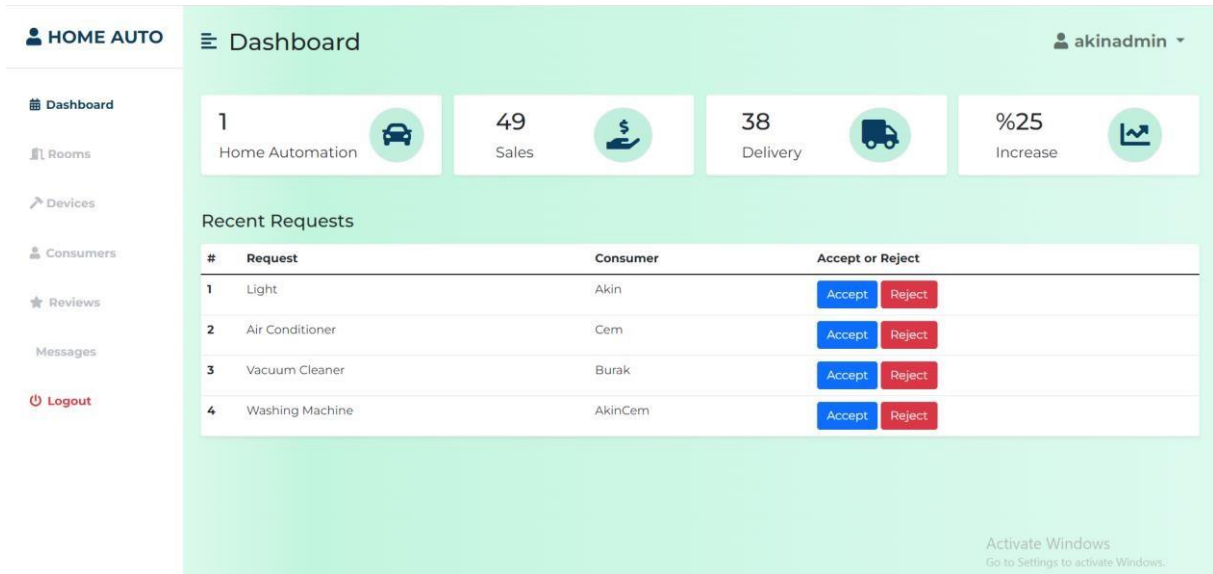
Confirm new password

Submit

This page is for the user change password



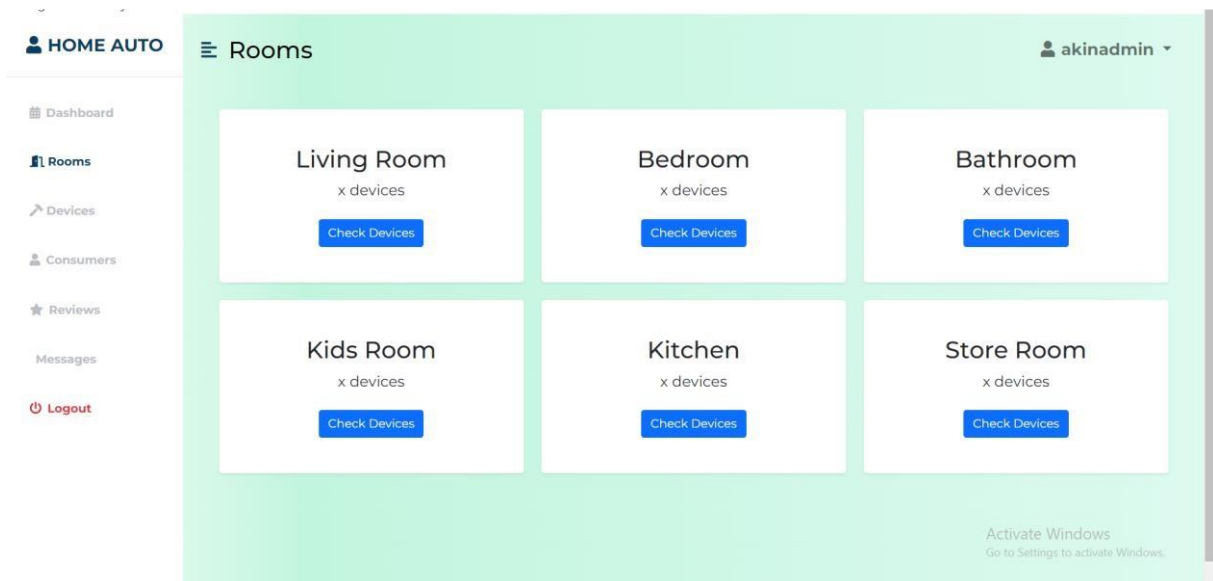
## 5 – Producer Pages



The screenshot shows the 'HOME AUTO' dashboard for a user named 'akinadmin'. The dashboard features a sidebar with navigation links: Dashboard, Rooms, Devices, Consumers, Reviews, Messages, and Logout. The main content area displays four summary cards: Home Automation (1), Sales (49), Delivery (38), and Increase (%25). Below these is a 'Recent Requests' table with columns for #, Request, Consumer, and Accept or Reject. The table lists four requests: Light (Akin), Air Conditioner (Cem), Vacuum Cleaner (Burak), and Washing Machine (AkinCem). Each request has 'Accept' and 'Reject' buttons. At the bottom right, there is a watermark for 'Activate Windows'.

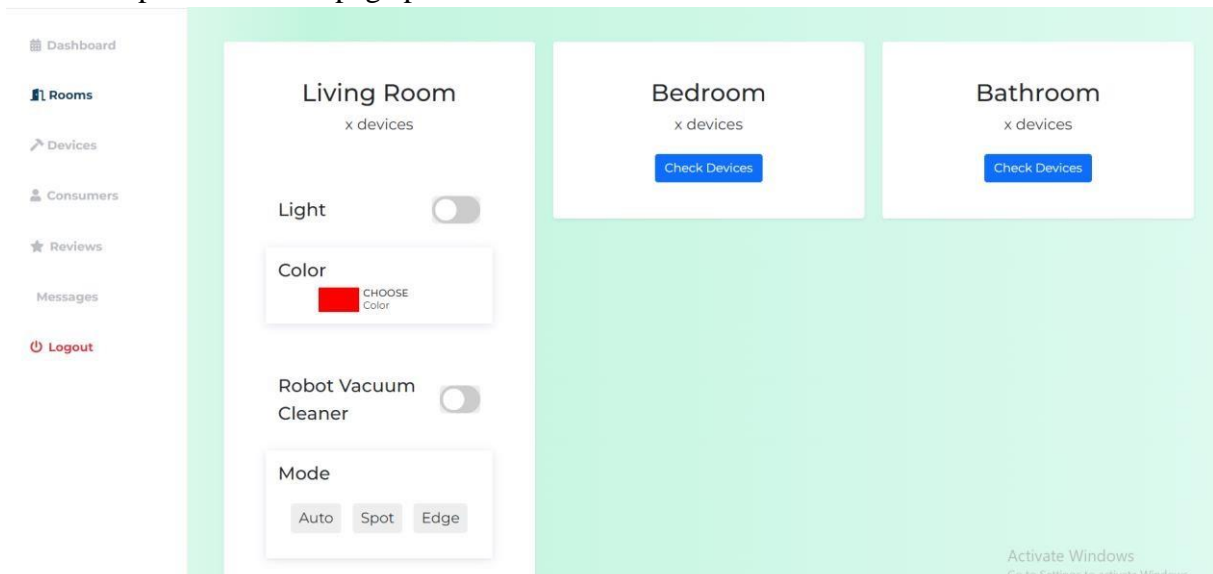
#	Request	Consumer	Accept or Reject
1	Light	Akin	<button>Accept</button> <button>Reject</button>
2	Air Conditioner	Cem	<button>Accept</button> <button>Reject</button>
3	Vacuum Cleaner	Burak	<button>Accept</button> <button>Reject</button>
4	Washing Machine	AkinCem	<button>Accept</button> <button>Reject</button>

This is the Producer Admin dashboard where producer will be able to see what is going on users request incomes etc.



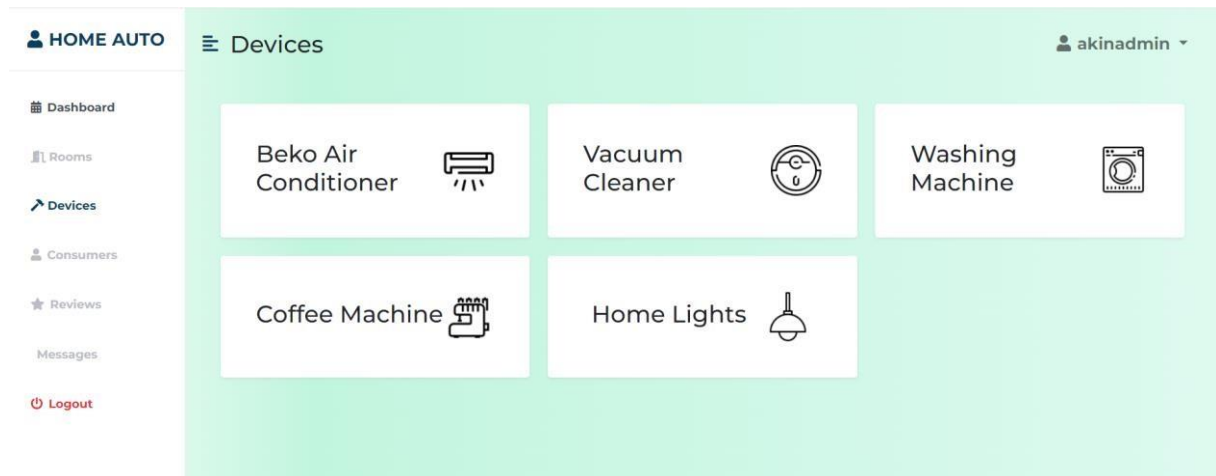
The screenshot shows the 'HOME AUTO' 'Rooms' page for a user named 'akinadmin'. The sidebar is the same as the dashboard. The main content area displays six room cards: Living Room, Bedroom, Bathroom, Kids Room, Kitchen, and Store Room. Each card shows 'x devices' and a 'Check Devices' button. At the bottom right, there is a watermark for 'Activate Windows'.

This is the producer room page producer will be able to check devices in rooms.

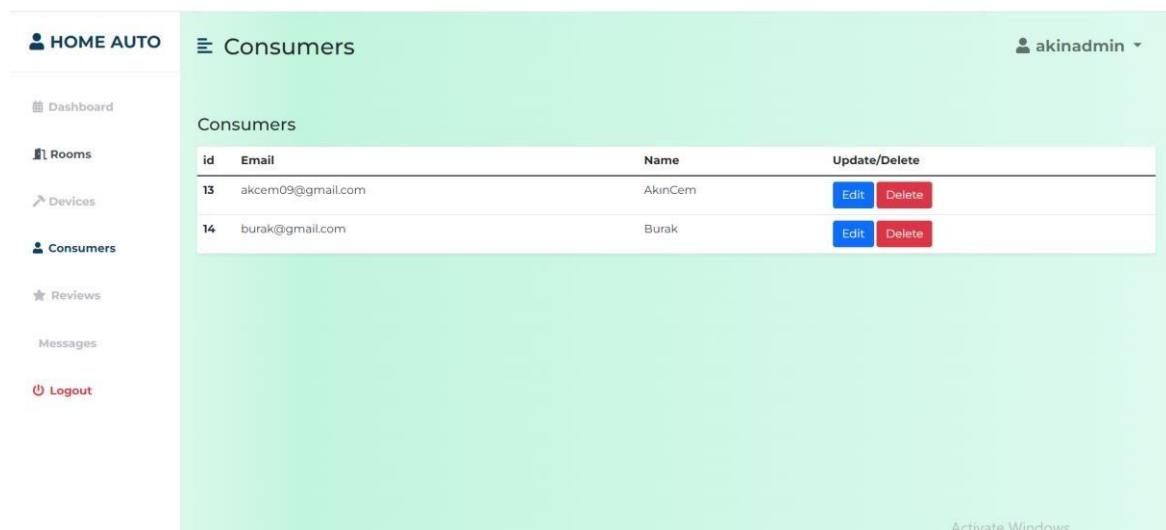


The screenshot shows the 'HOME AUTO' 'Rooms' page for a user named 'akinadmin', specifically the control interface for the 'Living Room'. The sidebar is the same as the dashboard. The main content area displays the 'Living Room' card with 'x devices' and a 'Check Devices' button. Below the card, there are controls for 'Light' (a toggle switch), 'Color' (a color picker with a red square and the text 'CHOOSE Color'), 'Robot Vacuum Cleaner' (a toggle switch), and 'Mode' (a dropdown menu with options 'Auto', 'Spot', and 'Edge'). At the bottom right, there is a watermark for 'Activate Windows'.

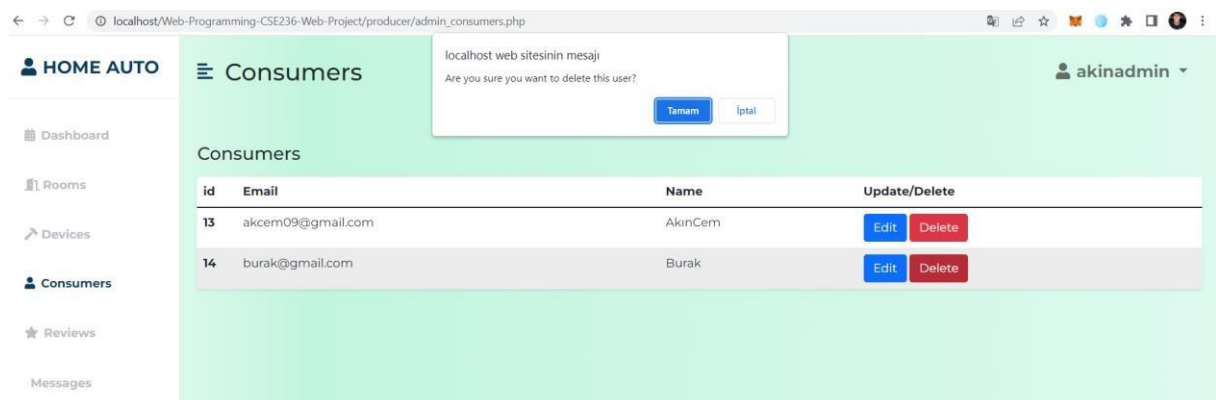
This Picture is the basic demo of what producer will be able to see in that pages. Using those buttons producer will be able to change the light On/Off etc with many devices.



In that page producer will be able to create some devices and maybe further will be able to add to that devices in rooms.



In that page producer will be able to list Consumers Edit their informations and will be able to delete.



This Picture is how delete screen will work.

6 – Producer Responsive Pages



 Dashboard

 Rooms

 Devices

 Consumers

 Reviews

Messages

 Logout

1

Home Au

49

Sales

38

Deliver

%25

Increas

Recent Rec



## Living Room

x devices

Check Devices

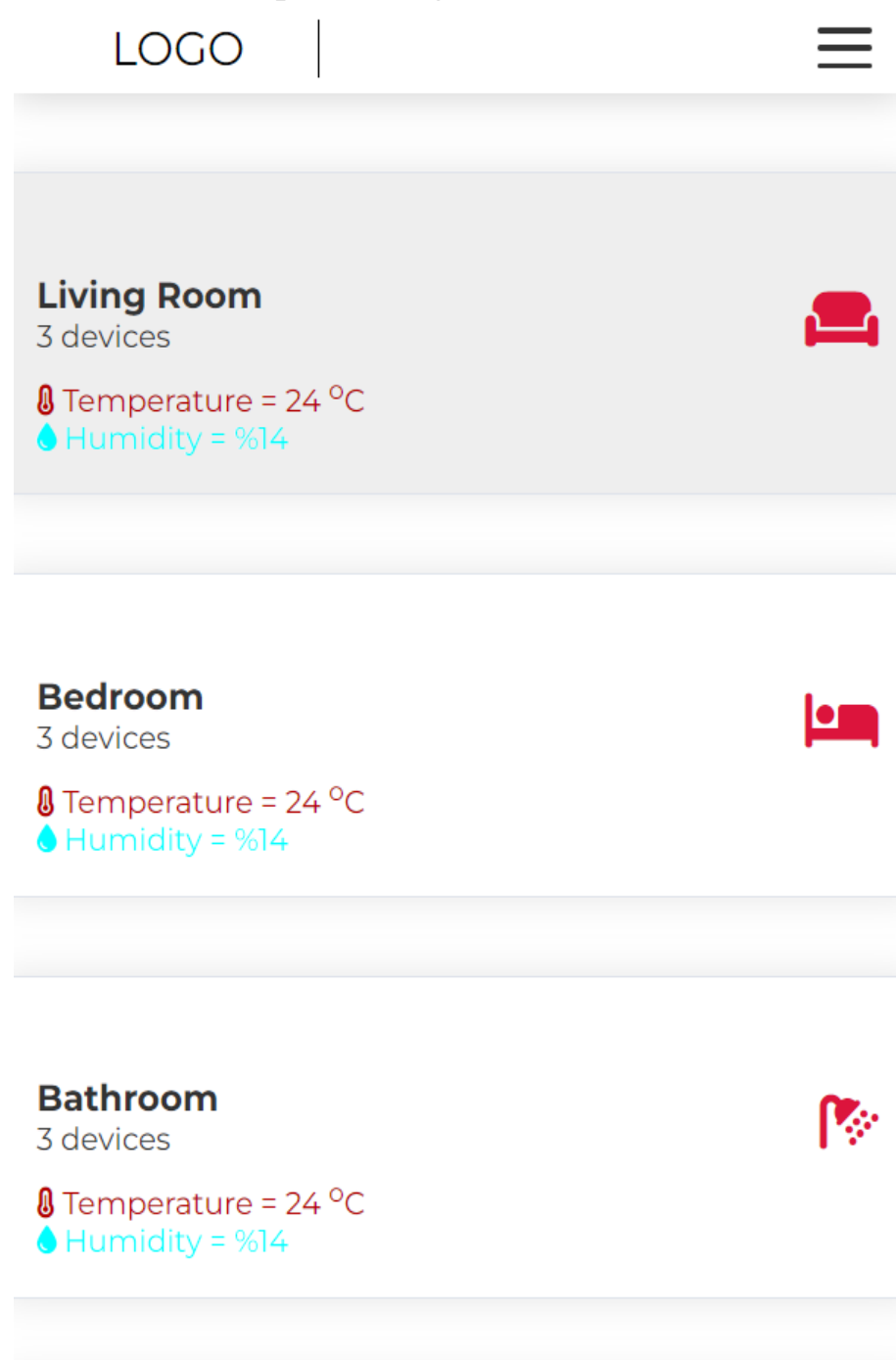
## Bedroom

x devices

Check Devices

## Bathroom

## 7 – Consumer Responsive Pages



Light



Color



CHOOSE  
Color

Robot Vacuum Cleaner



Mode

Auto

Spot

Edge

Air Conditioner



Mode



Temperature

LOGO



**John Doe**

**My Account**

**Edit Account**

**Support**

**Change Password**

## **My Account**

**Name:** Dursk





**John Doe**

**My Account**

**Edit Account**

**Support**

**Change Password**

## Change Password

New Password

Confirm new password

Submit

## 8– Mock Data

We used PHP & MYSQL for mock data. We created login page & register page with Php.

	id	name	surname	email	password	user_type
<input type="checkbox"/> Düzenle Kopyala Sil	5	admin	admin	admin@admin.com	25d55ad283aa400af464c76d713c07ad	admin
<input type="checkbox"/> Düzenle Kopyala Sil	6	akinadmin	admin	admin2@admin.com	25d55ad283aa400af464c76d713c07ad	admin
<input type="checkbox"/> Düzenle Kopyala Sil	7	akcem	tutal	ak@gmail.com	25d55ad283aa400af464c76d713c07ad	admin
<input type="checkbox"/> Düzenle Kopyala Sil	11	proadmin	proadmin	proadmin@admin.com	25d55ad283aa400af464c76d713c07ad	admin
<input type="checkbox"/> Düzenle Kopyala Sil	13	AkınCem	Tutal	akcem09@gmail.com	25d55ad283aa400af464c76d713c07ad	user
<input type="checkbox"/> Düzenle Kopyala Sil	14	Burak	Sazlı	burak@gmail.com	25d55ad283aa400af464c76d713c07ad	user

We created login page & register page with Php.

Tablo	Eylem	Satır	Türü	Karşılaştırma	Boyut	Ek Yük
<input type="checkbox"/> air_conditioner		1	InnoDB	utf8mb4_general_ci	16.0 KiB	-
<input type="checkbox"/> light		1	InnoDB	utf8mb4_general_ci	16.0 KiB	-
<input type="checkbox"/> user_admin		6	InnoDB	utf8mb4_general_ci	16.0 KiB	-
<input type="checkbox"/> vacuum_cleaner		1	InnoDB	utf8mb4_general_ci	16.0 KiB	-
4 tabloları	Toplam	9	InnoDB	utf8mb4_general_ci	64.0 KiB	0 B

For the demo we created 3 different device and devices states

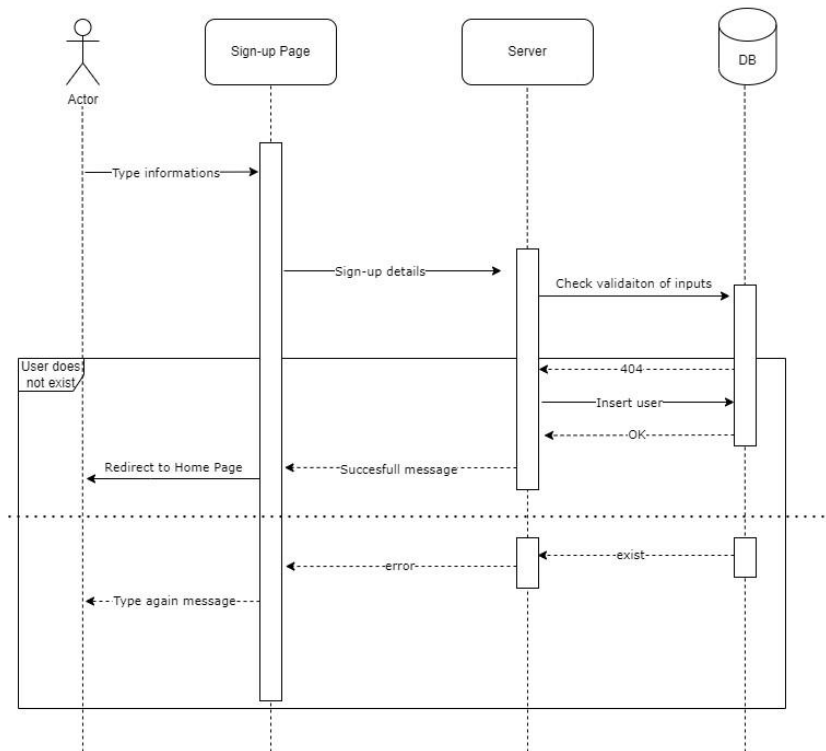
	id	status	weather	temperature
<input type="checkbox"/> Düzenle Kopyala Sil	1	ON	Snowy	0

This is one of the example of the devices with On/Off state weather state & temperature state.

Using those tables we made functionalities as given in pages.

## 9- Workflow

Registration Sequence Diagram:



Log in Sequence Diagram:

