

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

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**Github link for our work:**

<https://github.com/akincemtural9/Web-Programming-CSE236-Web-Project>

## 1 – Homepage

LOGO

# Home Automation System



### Our Services

<b>Controlling Air Conditioner</b> Lorem ipsum dolor sit amet consectetur adipiscing elit. Aperiam, fugit.	<b>Controlling Robot Vacuum Cleaner</b> Lorem ipsum dolor sit amet consectetur adipiscing elit. Aperiam, fugit.
<b>Controlling Washing Machine</b> Lorem ipsum dolor sit amet consectetur adipiscing elit. Aperiam, fugit.	<b>Controlling Lights</b> Lorem ipsum dolor sit amet consectetur adipiscing elit. Aperiam, fugit.
<b>Controlling Coffee Machine</b> Lorem ipsum dolor sit amet consectetur adipiscing elit. Aperiam, fugit.	<b>7/24 Support</b> Lorem ipsum dolor sit amet consectetur adipiscing elit. Aperiam, fugit.

☎ 555-555-55-55  
☎ 123-156-78-90  
✉ abc@gmail.com  
📍 Antalya, Turkey

📘 Facebook  
📷 Instagram  
🐦 Twitter  
🌐 LinkedIn

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. The top screenshot shows the 'REGISTER' form, which includes input fields for name, last name, email, password, and password confirmation, along with a dropdown menu for user type. The bottom screenshot shows the 'LOGIN' form, which includes input fields for email and password. Both forms feature a prominent pink button for the primary action and a link to the other function.

**REGISTER**

Enter your name

Enter your last name

Enter your email

Enter your password

Confirm your password

user

Register

Already have an account ? [Login](#)

**LOGIN**

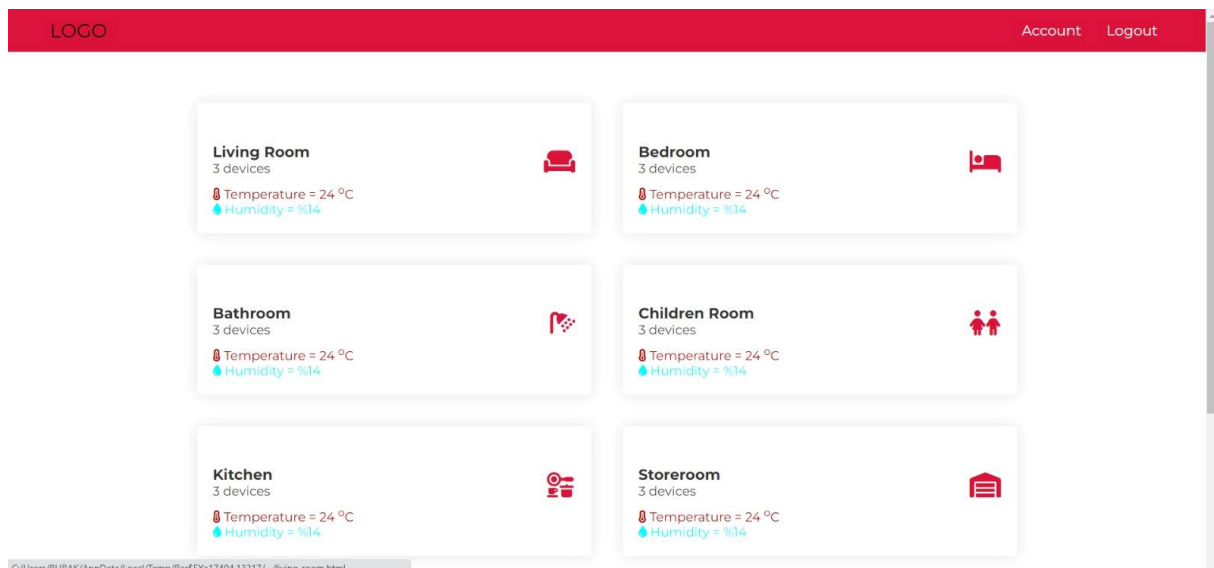
Enter your email

Enter your password

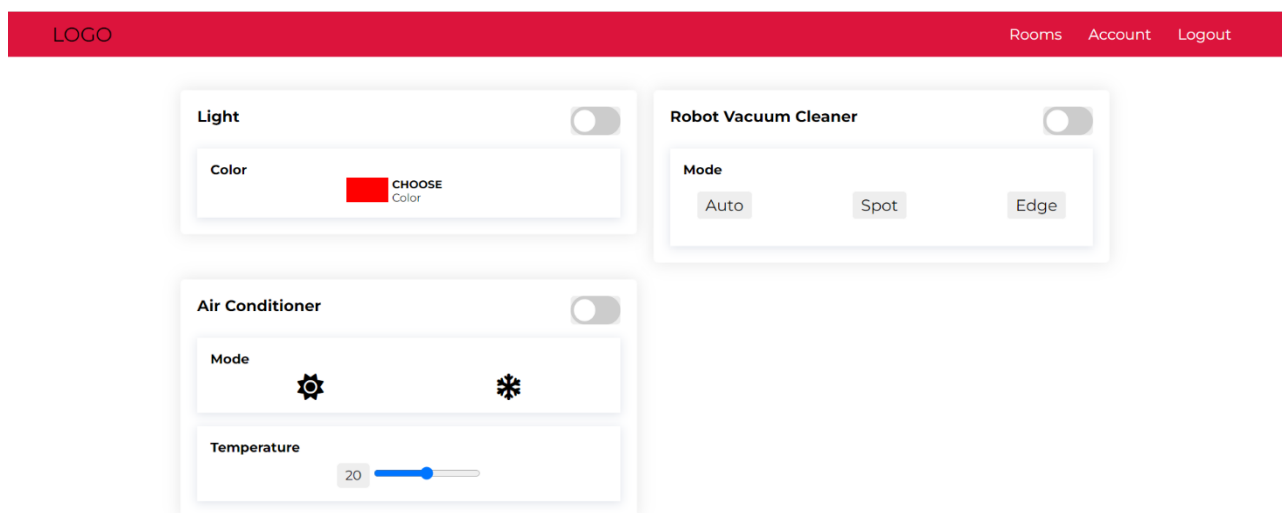
Login

Don't have an account ? [Register](#)

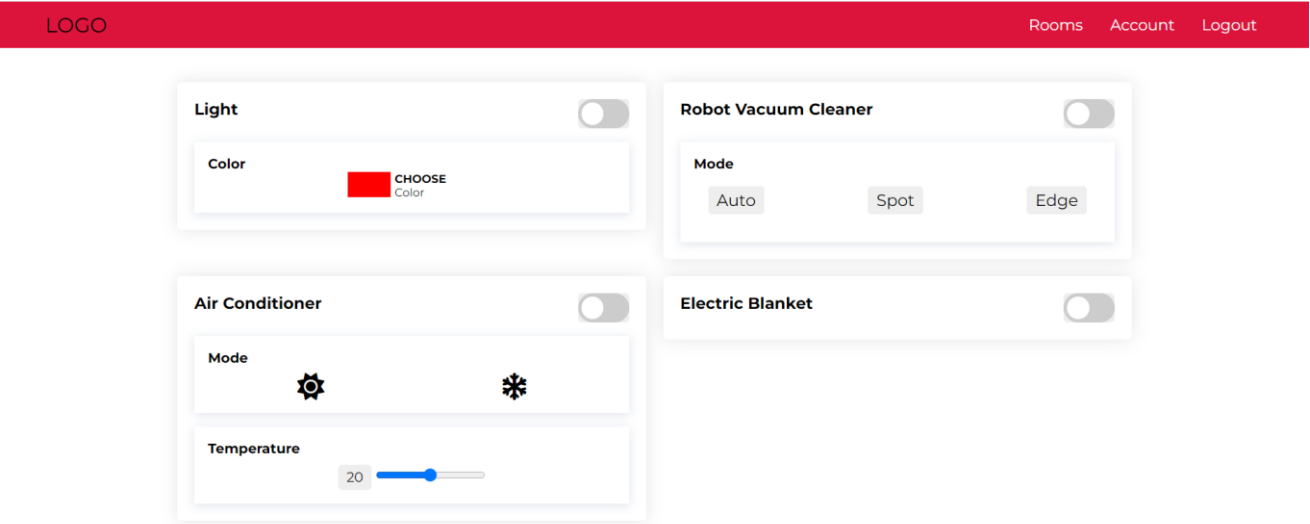
### 3 - Consumer Board Screen



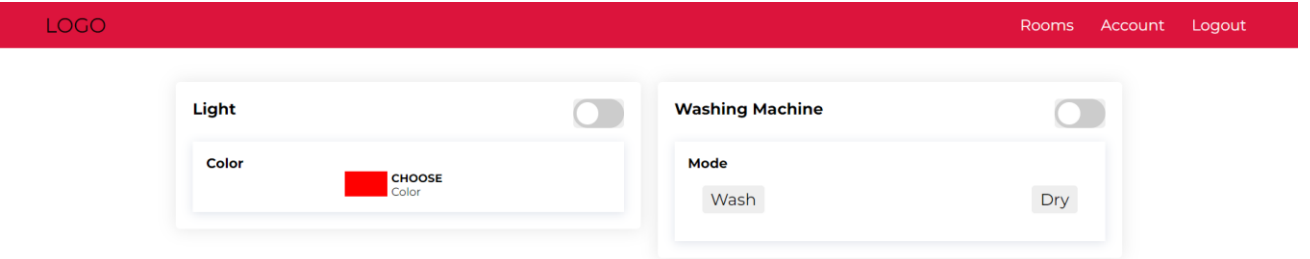
This page is used for controlling the sensors and devices. User can see what rooms the app includes. If user click one of the boxes, user can see what devices and sensors belong to the room. And if user click account from navigation bar, user can see her/his own profile infos. And logout button sends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



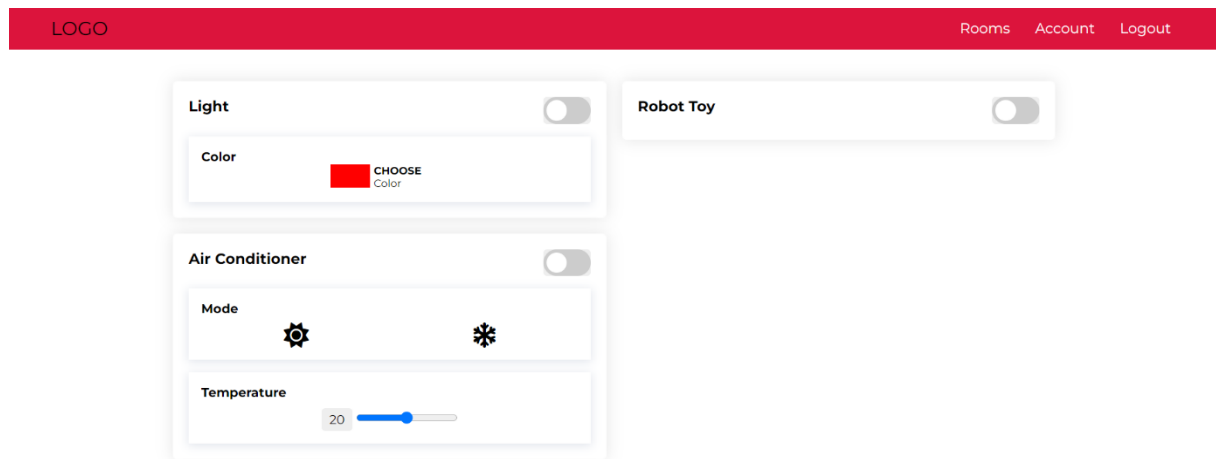
For example, this page is used for living room and user can see what devices there in the room and control them.



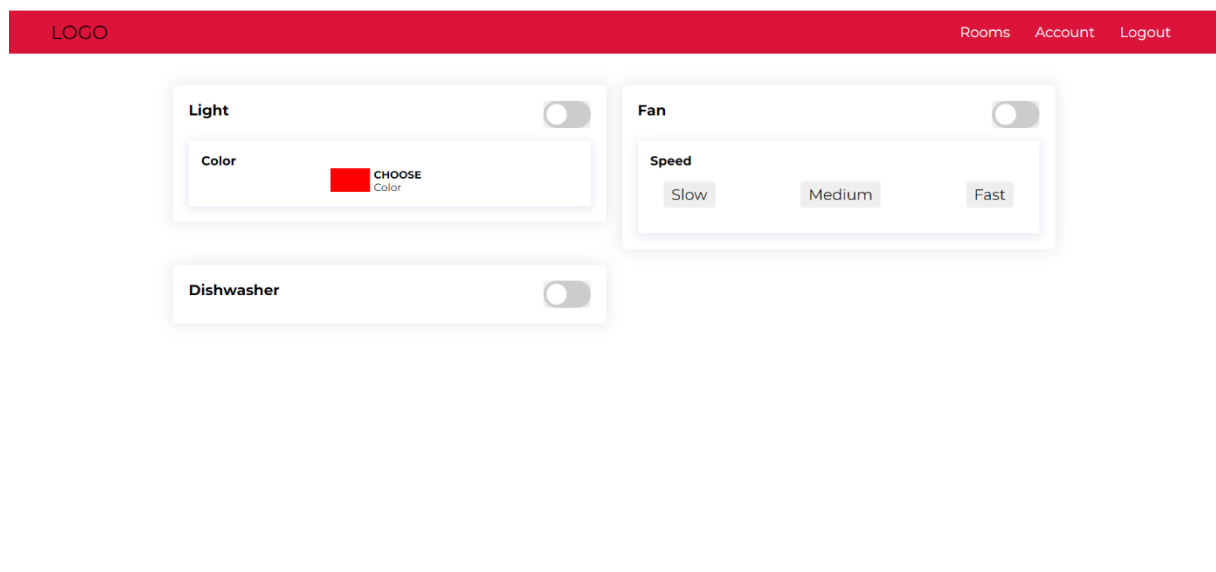
It is for bedroom devices.



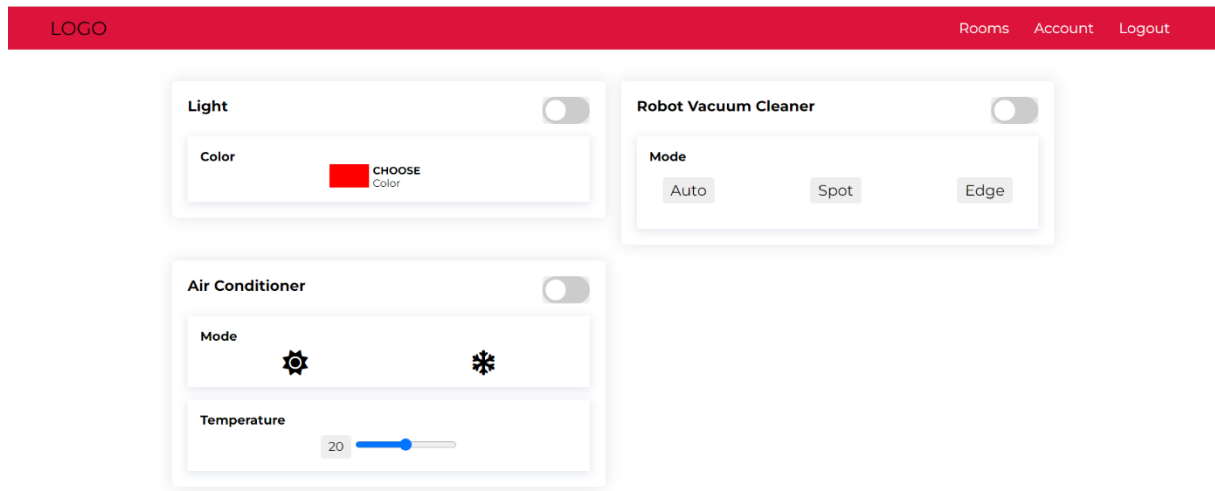
It is for bathroom devices.



It is for children room devices.

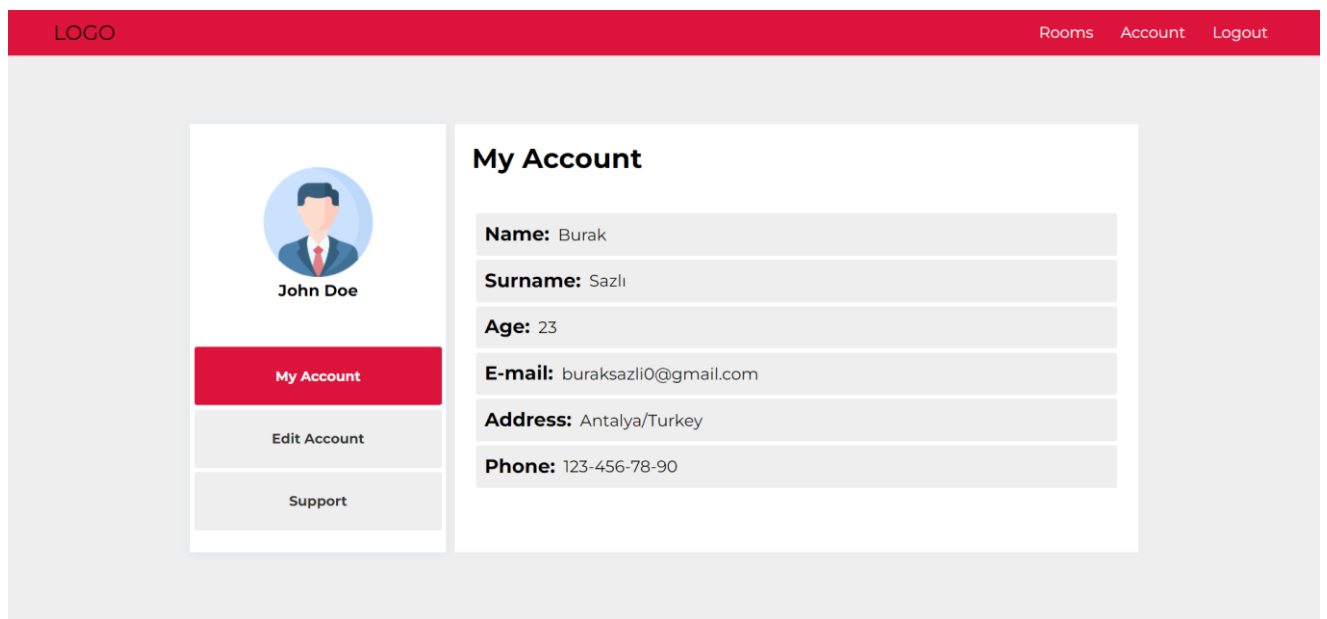


It is for kitchen devices.



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

RoomsAccountLogout



John Doe

My Account

Edit Account

Support

## Edit Account

Name:

Enter your name

Surname:

Enter your surname

Age:

Enter your age

E-mail:

Enter your mail

Address:

Enter your address

Phone:


Enter your phone

Edit

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

LOGO

RoomsAccountLogout



John Doe

My Account

Edit Account

Support

## Support

Subject

Subject

Your message


Write something..

Submit

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

LOGO

RoomsAccountLogout



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 user the change password

## 5 – Producer Pages

HOME AUTO

Dashboard

Rooms

Devices

Consumers

Reviews

Messages

Logout

Dashboard

akinadmin

1

Home Automation

49

Sales

38

Delivery

%25

Increase

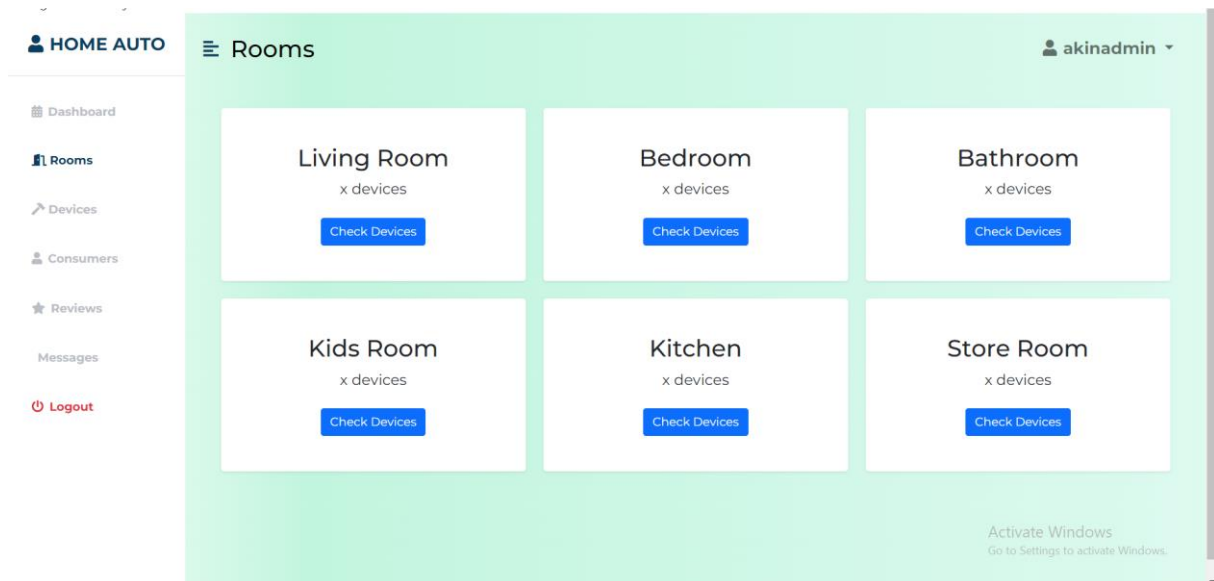
Recent Requests

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

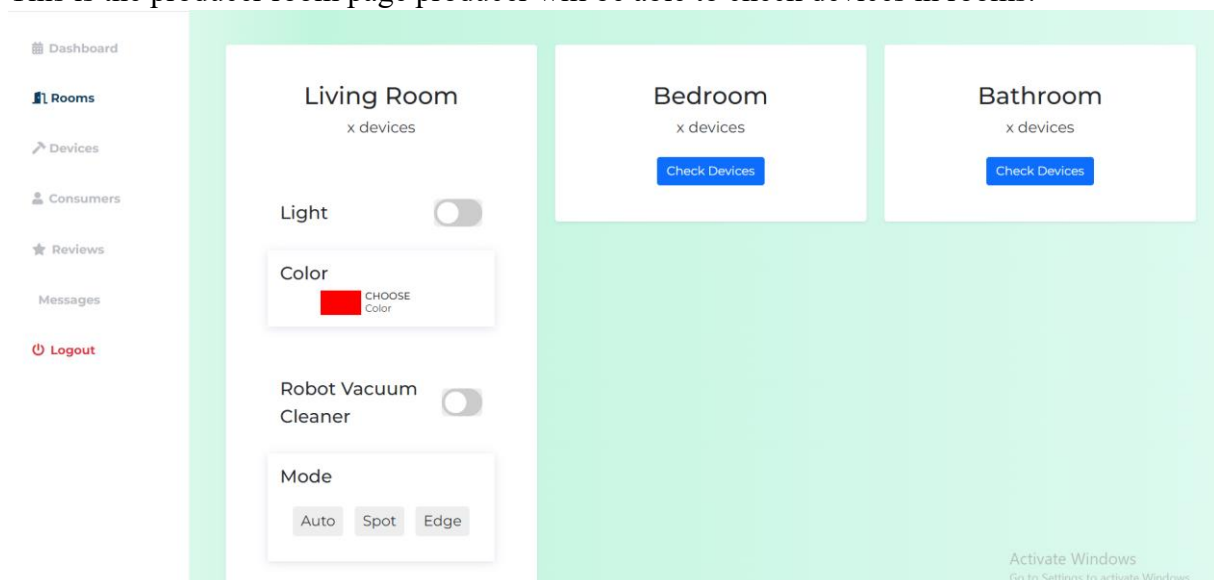
Activate Windows  
Go to Settings to activate Windows.

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

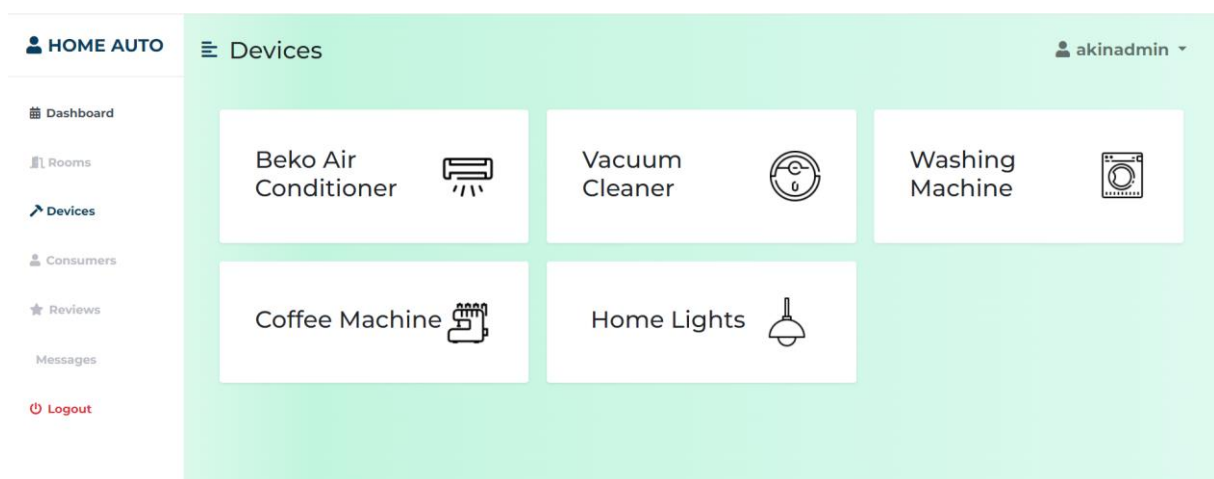




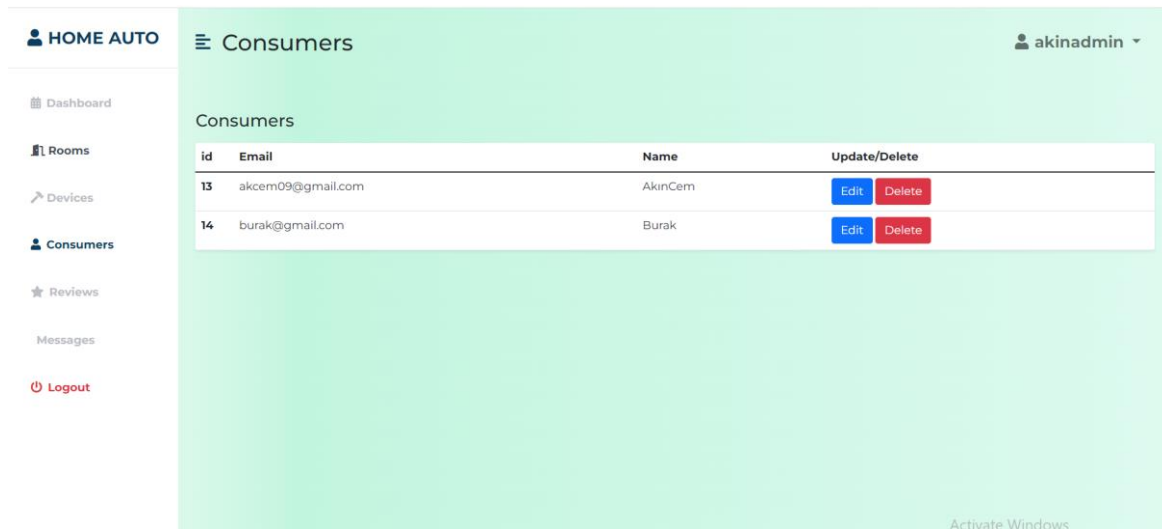
This is the producer room page producer will be able to check devices in rooms.



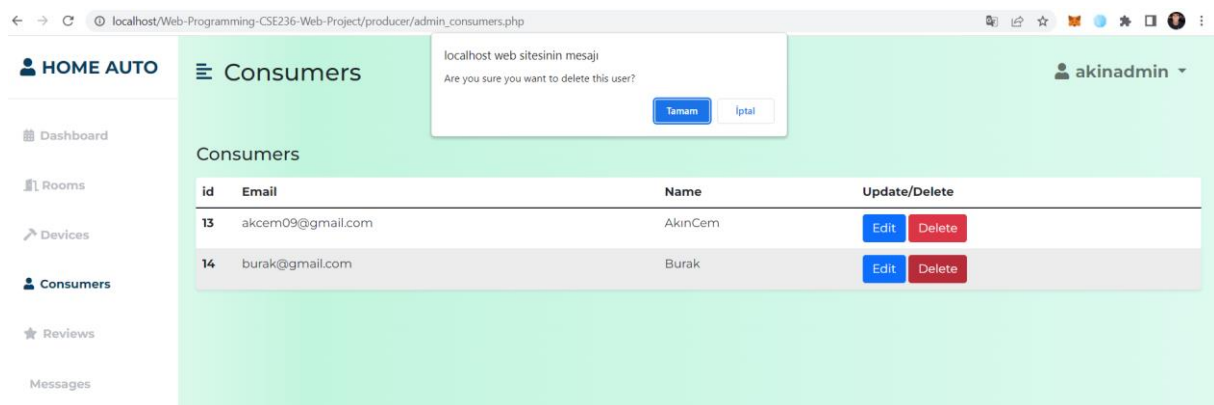
This Picture is the basic demo of what producer will be able to see in that pages. Using those buttons producer will be able to change the light On/Off etc with many devices.



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

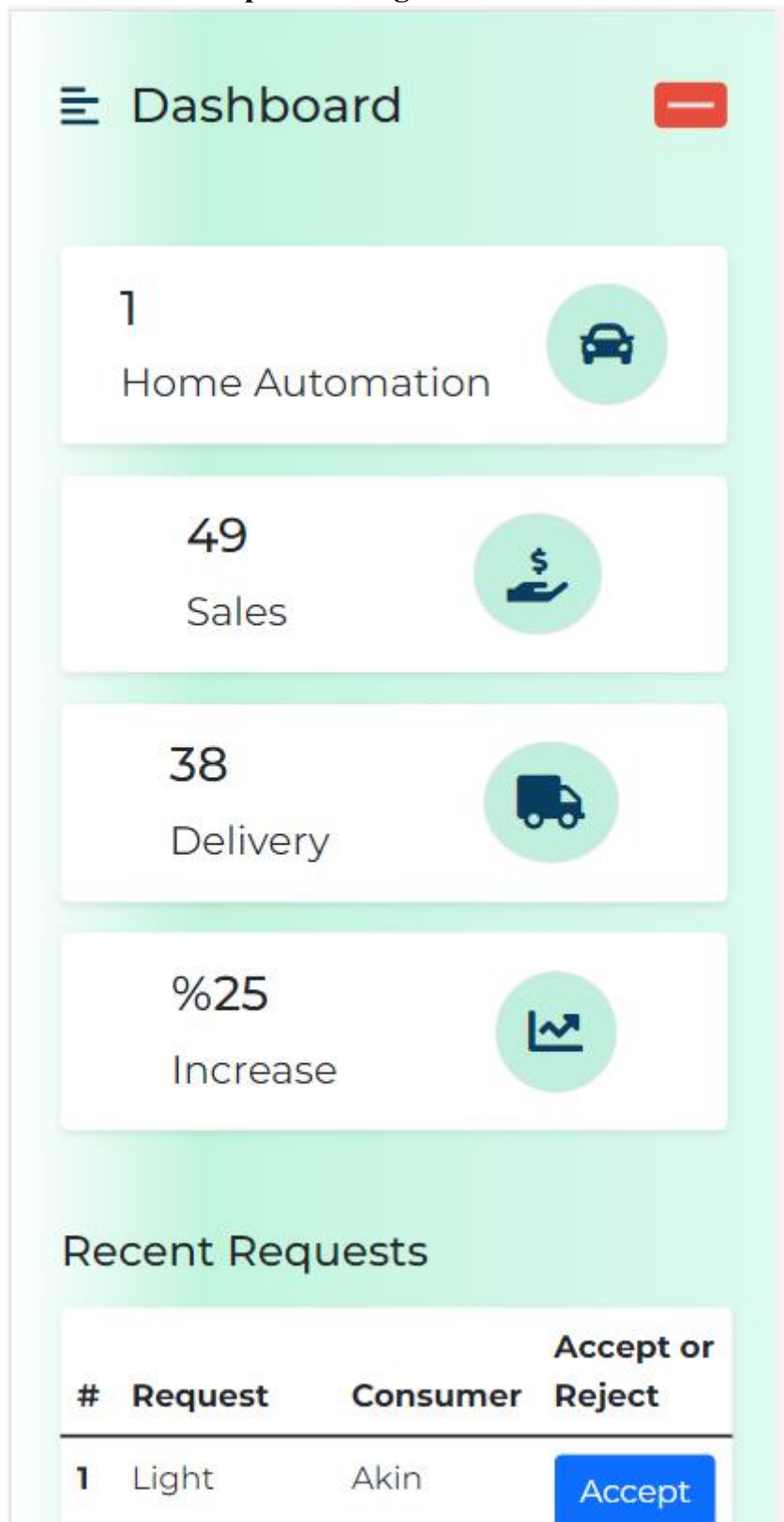


In that page producer will be able to list Consumers Edit their informations and will be able to delete.



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 – Mock Data

We used PHP & MYSQL for mock data.

We created login page & register page with Php.

Sunucu: 127.0.0.1 » Veritabanı: home\_automation » Tablo: user\_admin

Gözet Yapı SQL Ara Ekle Dışa aktar İçe aktar Yetkiler İşlemler İzleme Tetikleyiciler

✓ Gösterilen satır 0 - 5 (toplam 6, Sorgu 0,0002 saniye sürdü.)

SELECT \* FROM `user\_admin`

☐ Profil çıkart [ Satır içi düzenle ] [ Düzenle ] [ SQL'i açıkla ] [ PHP kodu oluştur ] [ Yenile ]

☐ Tümünü göster | Satır sayısı: 25 | Satırları süz: Bu tabloda ara | Anahtara göre sırala: Yok

Fazladan seçenekler

				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	Sazli	burak@gmail.com	25d55ad283aa400af464c76d713c07ad	user

↑ ☐ Tümünü işaretle | Seçimleri: Düzenle Kopyala Sil Dışa aktar

☐ Tümünü göster | Satır sayısı: 25 | Satırları süz: Bu tabloda ara | Anahtara göre sırala: Yok

Sorgu sonuçları işlemleri

We created login page & register page with Php.

Tablo	Eylem	Satır	Türü	Karşılaştırma	Boyut	Ek Yük
<input type="checkbox"/> air_conditioner	★ Gözet Yapı Ara Ekle Boşalt Kaldır	1	InnoDB	utf8mb4_general_ci	16.0 KiB	-
<input type="checkbox"/> light	★ Gözet Yapı Ara Ekle Boşalt Kaldır	1	InnoDB	utf8mb4_general_ci	16.0 KiB	-
<input type="checkbox"/> user_admin	★ Gözet Yapı Ara Ekle Boşalt Kaldır	6	InnoDB	utf8mb4_general_ci	16.0 KiB	-
<input type="checkbox"/> vacuum_cleaner	★ Gözet Yapı Ara Ekle Boşalt Kaldır	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

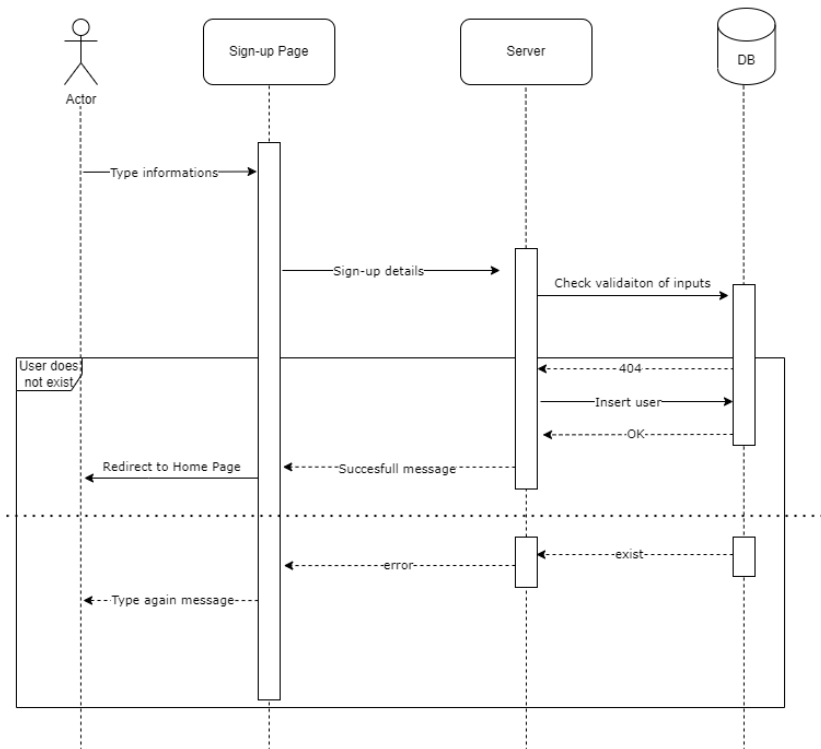
	id	status	weather	temperature
<input type="checkbox"/> Düzenle Kopyala Sil	1	ON	Snowy	0

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.

## 8 - Workflow

Registration Sequence Diagram:



Log in Sequence Diagram:

