CSE_236 WEB DEVELOPMENT MIDTERM PROJECT REPORT FOR HOME AUTOMATION SYSTEMS

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Project's github page: https://github.com/electus-1/home-automation-project

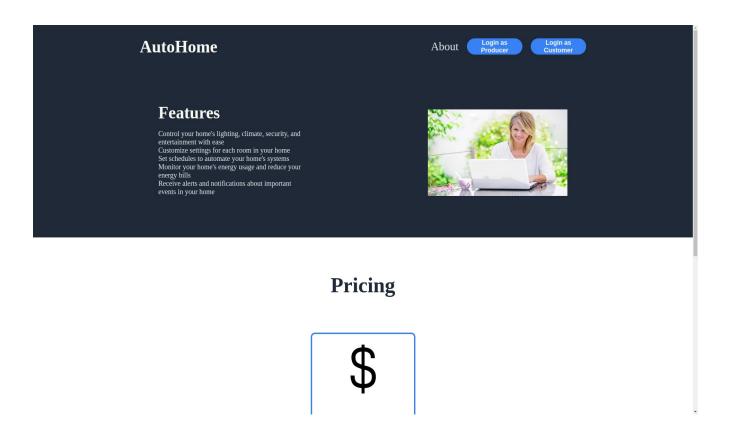
To login Use these parameters please:

producer email: b@gmail.com **producer password**: 123

consumer email: a@gmail.com **consumer password**: 1234

1) Landingpage:

- There are 2 different buttons for login. One for the customer another one for the producer.





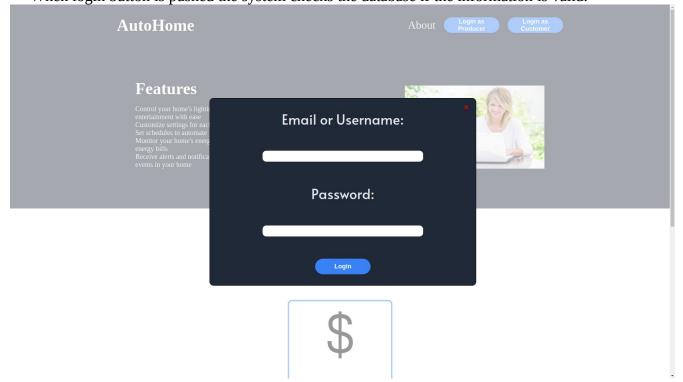
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SOMETIMES WE MAKE THE PROCESS MORE COMPLICATED THAN WE NEED TO. WE WILL NEVER MAKE A JOURNEY OF A THOUSAND MILES BY FRETTING ABOUT HOW LONG IT WILL TAKE OR HOW HARD IT WILL BE. WE MAKE THE JOURNEY BY TAKING EACH DAY STEP BY STEP AND THEN REPEATING IT AGAIN AND AGAIN UNTIL WE REACH OUR DESTINATION.

-Joseph B. Wirthlin

2) Login:

- -Both producer and consumer have the same UI for login.
- -A proper email is required to login
- -Password is not shown to the user during login
- -When login button is pushed the system checks the database if the information is valid.



3) Customer Dashboard:

- The page the customer sees after logging in.
- -Here is shown all the rooms an user has, a button to delete them and a card to edit or add a room.
- -You can change the devices in a room from add/edit.
- -It uses the same .php file to show different customer's rooms.
- -There is a Logout button for logging out

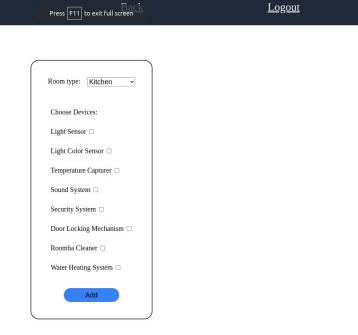


4) Add A Room

- You can add a room and choose the devices in that room from the checkboxes.
- There is a total of 6 rooms and 8 devices you can choose from.

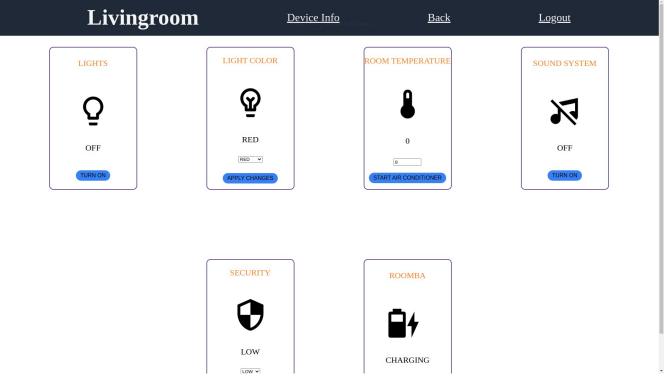
Add a room

- You can edit an already existing room's devices by choosing checkboxes.



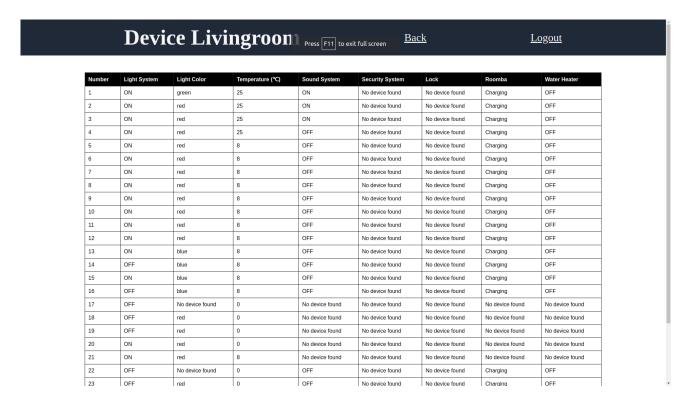
5)Customer Room

- You can see and change the state of a device by choosing a state and then clicking the buttons.
- You can go back to the previous page by clicking the back button.
- You can see the past time's data by clicking the Device Info page.
- You can logout from the system.



6) Device Info

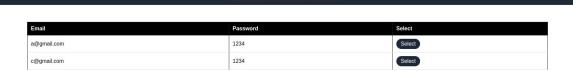
- You can see the previous states of all the devices and the numbers of them.
- You can go back to the previous page or logout.



7) Producer Entry

- The page the producer sees after logging in.
- He can see all the customers information and chose a customer to view their system.

Producer Dash Press F11 to exit full screen



Logout

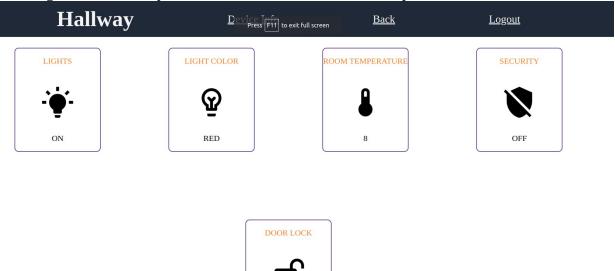
8) Producer's Customer Room View

- -After choosing a customer from the producer entry page you can see the customer's system.
- -You can go back to the previous page by clicking back.
- -By clicking a room you can see the devices the customer has.

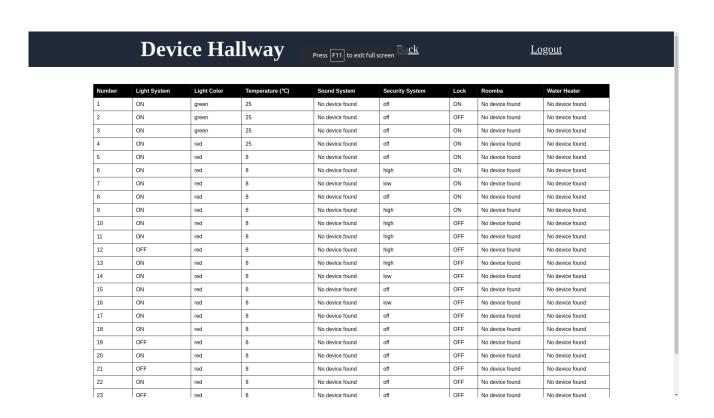


9) Producer's Customer Room View

- You can observe the states of the customer's devices inside a room.
- By clicking the device info you cen see the information about the previous states of devices.



OPEN



Workflows:

- -To open the Customer Dashboard
- 1) Open the landing page
- 2) Click the customer login button
- 3) Enter the customer's e-mail and password
- -When you already have Access to customer dashboard you can:
- 1) Choose a room to see their devices
- 2) Delete an already existing room
- 3) Add or edit a room by clicking add/edit card
- -When you click a room you can:
- 1) Turn on or turn off your lights.
- 2) Change the color of home's lights
- 3) Change the rooms temperature with air conditioner
- 4) Turn on or turn off the sound system
- 5) Change the security system of the house
- 6) Lock or unlock the doors(exterior door, balcony doors and garage doors)
- 7) Start the roomba to clean your house or send it to charging
- 8) Turn on the water heating system of the house to heat the water in the water tank
- 9) Click device info to see that room's previous device states
- 10)Logout

- -To open producer dashboard
 - 1) Open the landing page
 - 2) Click the producer login button
 - 3) Enter the producer's e-mail and password
 - -When you already have access to customer dashboard you can:
 - 1) See all the customer's information.
 - 2) Can choose a customer to view their system
 - 3) Logout
 - -When you choose a customer you can:
 - 1) See all the rooms a customer has
 - 2) Can click a room to see all the devices a customer has
 - -When you click a room you can:
 - 1) See all the devices and their state a user has.
 - 2) Can click on the device information to see the previous states of the devices