Created by:

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Student Numbers: 20200808002, 20200808054

Github Links: https://github.com/alperkaya0 , https://github.com/meryemAhiskali

Github Project Link: https://github.com/alperkaya0/home-automation-project

WORKFLOW

- The website starts from the starting point first. From here, he can proceed by choosing one of the consumer or producer sections.
- When the consumer makes a choice, the consumer home page appears.
    - This homepage is for a user preview.
    - After clicking the "Log in" button, they can log in with their "user-1234" information.
    - Or with the "Skip Logging In" button, you can skip this part by not entering any information.
    - After logging in, the user can see the device and its data, graphics.
    - You can get information about the site from the Feauters, About, FAQs section.
    - When you're done, you can log out with the log out button.

- When the producer makes a choice, the producer page appears.
    - After click producer you can enter “admin-1234”.
    - Or with the "Skip Logging In" button, you can skip this part by not entering any information.
    - After logging in, the page come which shows
        - Toggle Buttons
        - Change Temperature
        - Change Weather Forecast parts.
    - And you can change or see data about devices.
    - When you're done, you can log out with the log out button.

USAGE

After you copied the files to your htdocs, which you can find at /opt/lampp/htdocs in Linux or C:/xampp/htdocs in Windows, you can access the webpage at localhost/[YOUR_FOLDER_NAME].

Login Credentials

Consumer:

Username: user

Password: 1234

Producer:

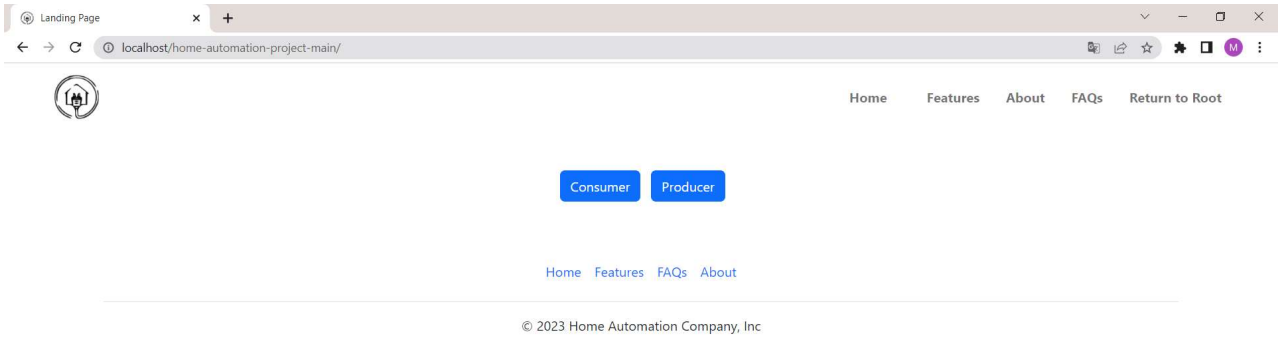
Username: admin

Password: 1234

Details

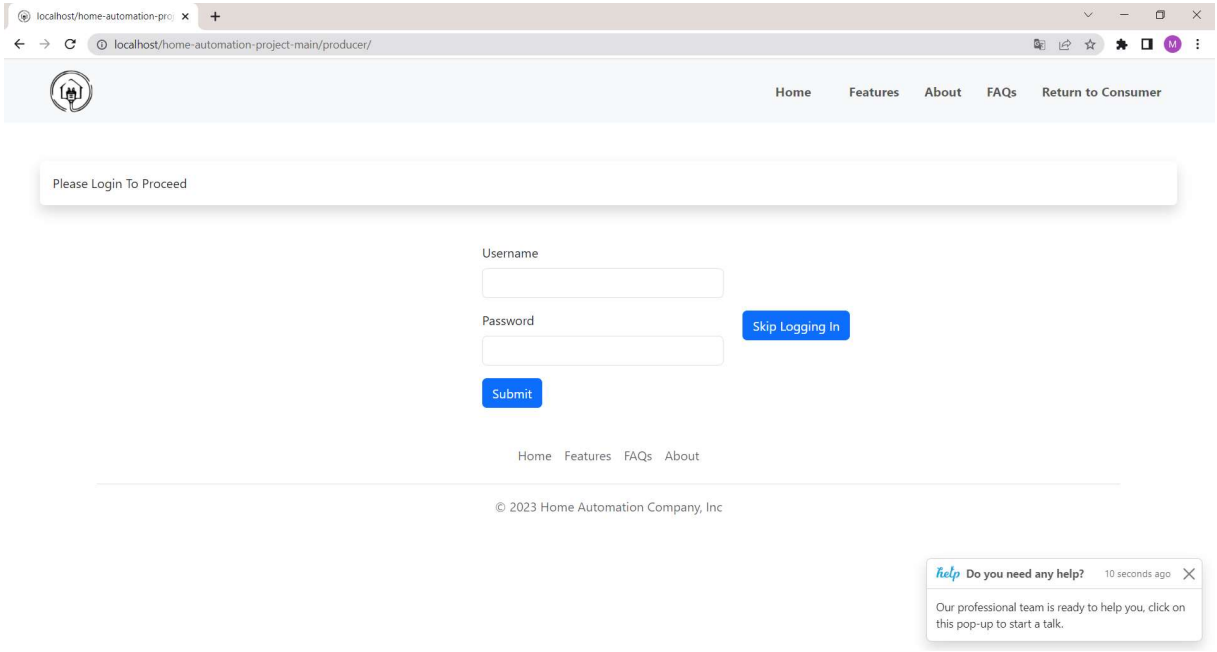
Pages like Features, About, FAQs are consumer targeted pages. Return to Root, Return to Producer, Return to Consumer buttons are made specifically for our teacher to navigate easier between consumer and producer. Consumer landing page buttons are really working but you have refresh the page after pressing once. We have used a txt file to mimic a database, we read and write updates to it.

STARTING POINT



PRODUCER

- ## Login Page



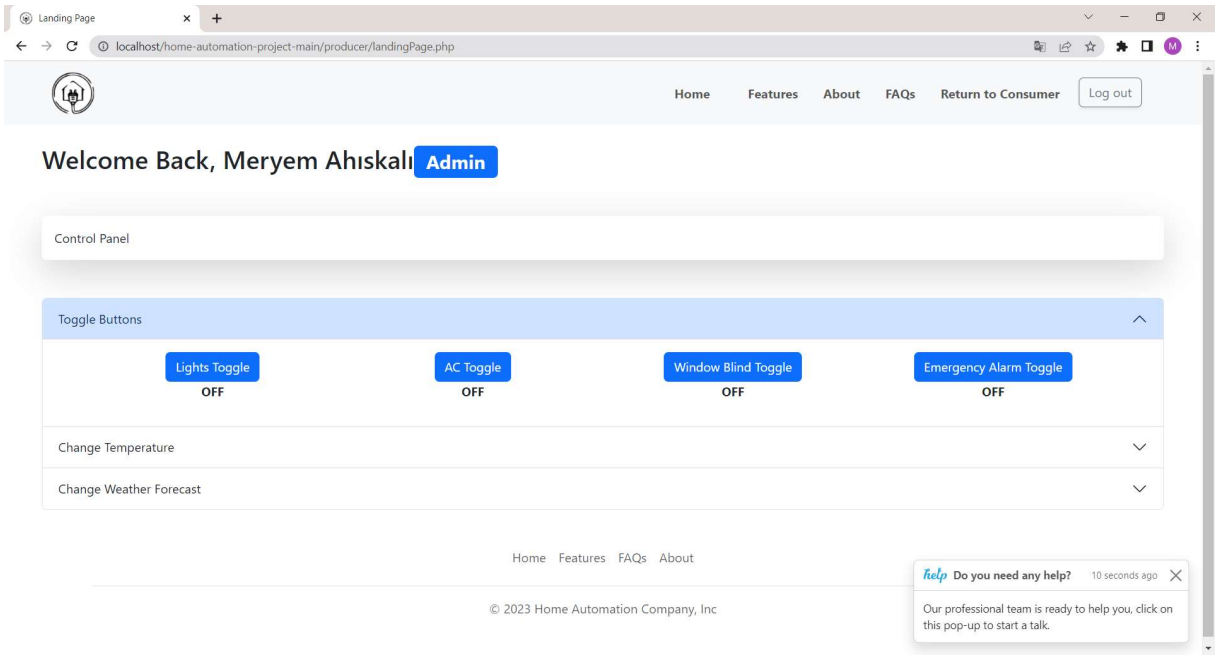
Login Information for Producer:

Username : “admin”

Password : “1234”

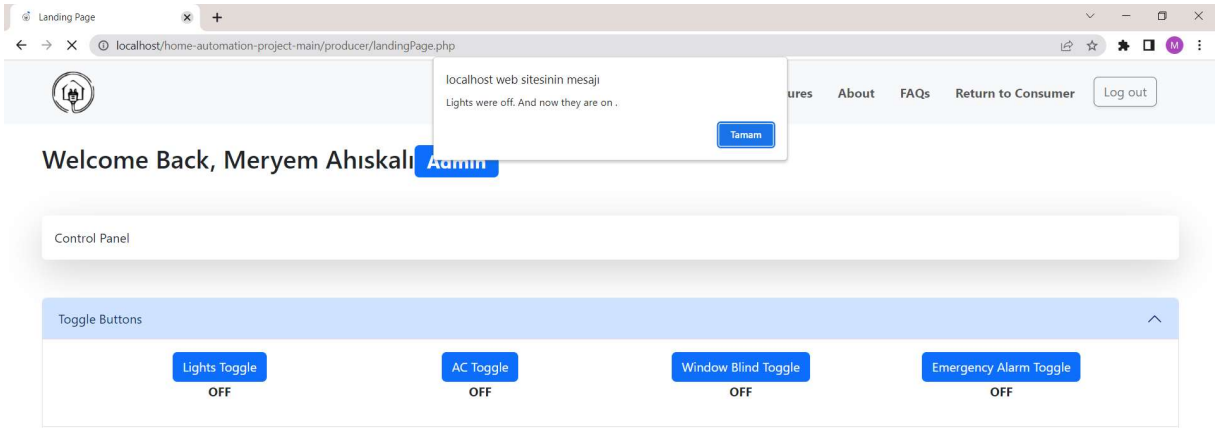
Or click “Skip Logging in” button without enter username and password.

- **After Logged In**

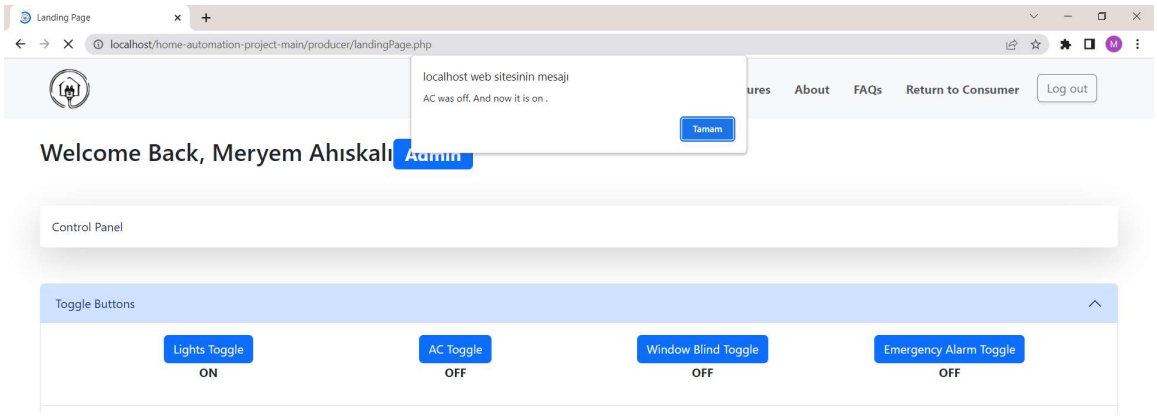


Toggle Buttons

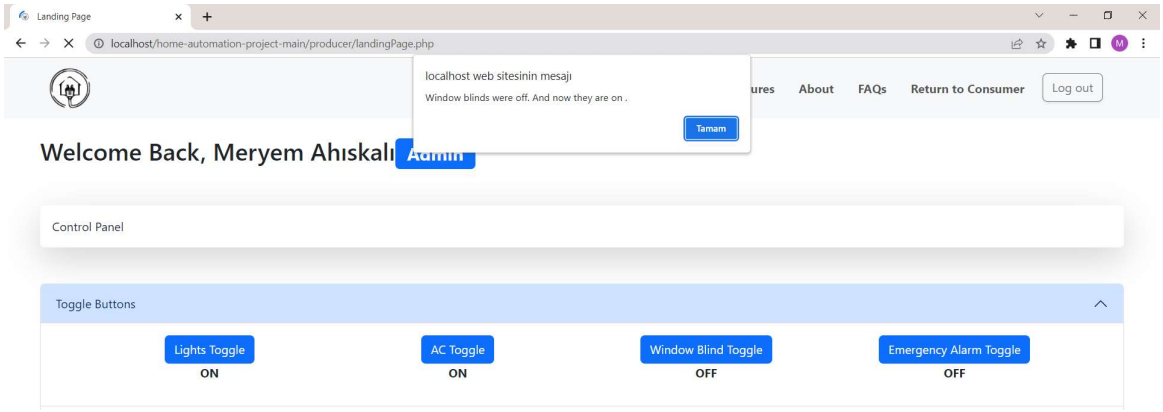
- Lights Toggle



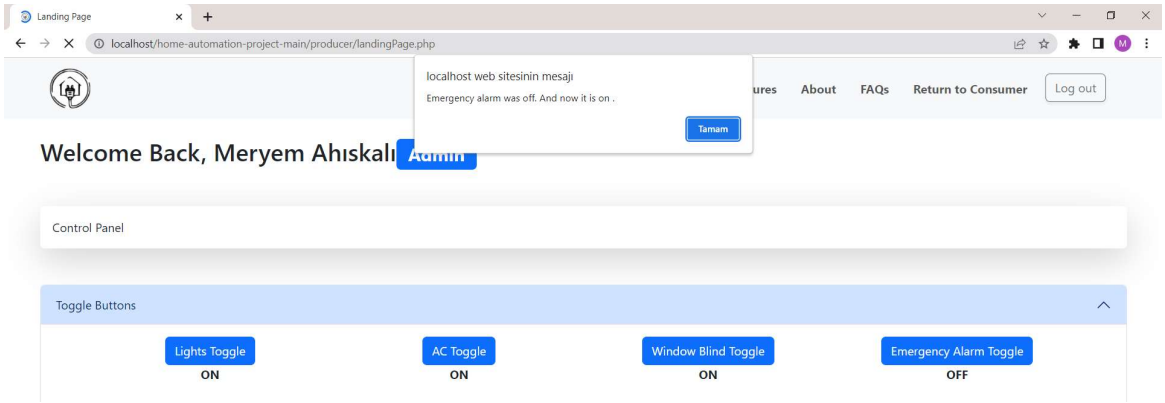
- AC Toggle



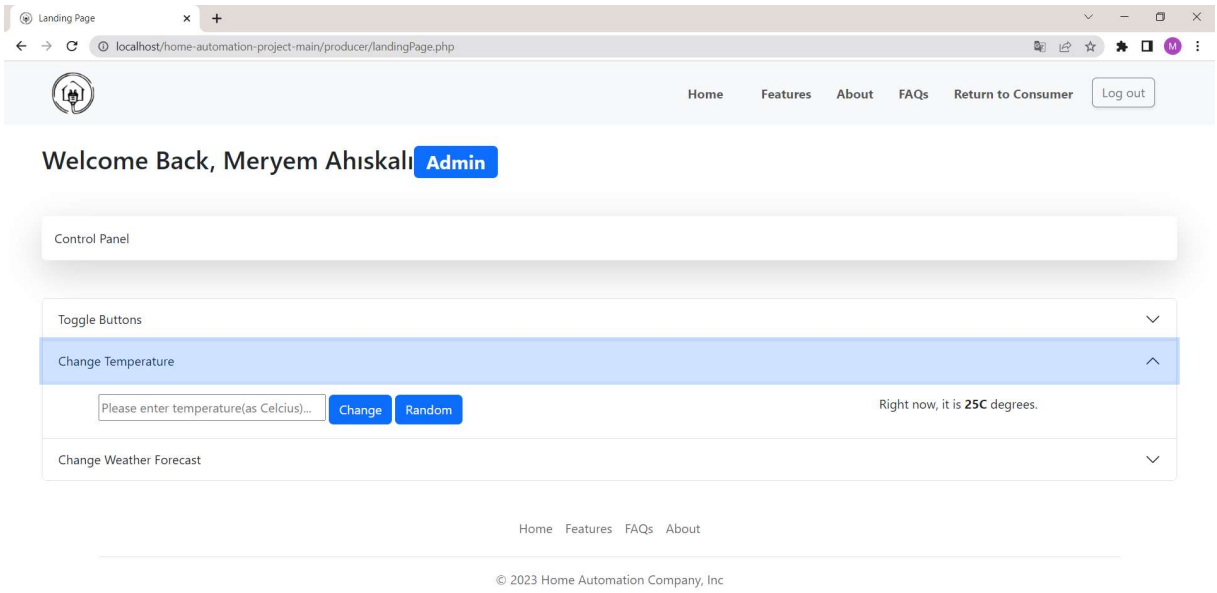
- Window Blind Toggle



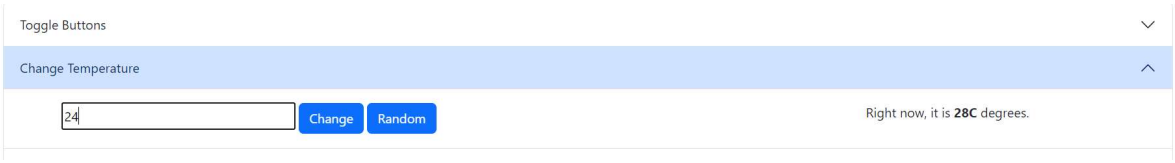
- Emergency Alarm Toggle



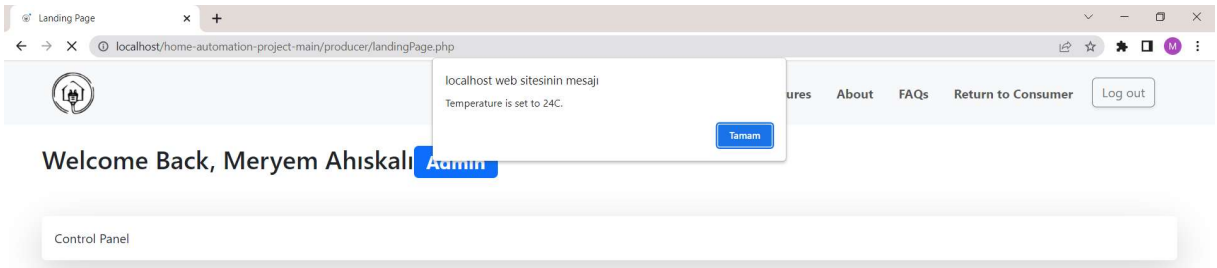
Change Temperature



- Change

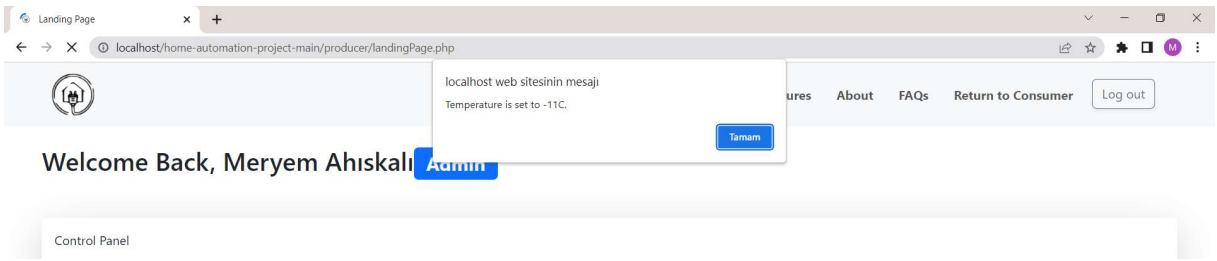


After entering the change value and clicking the “Change” button.



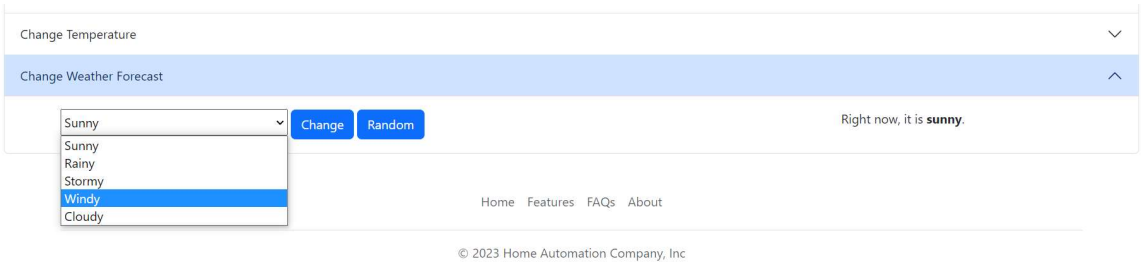
- Random

After clicking the “Random” button.

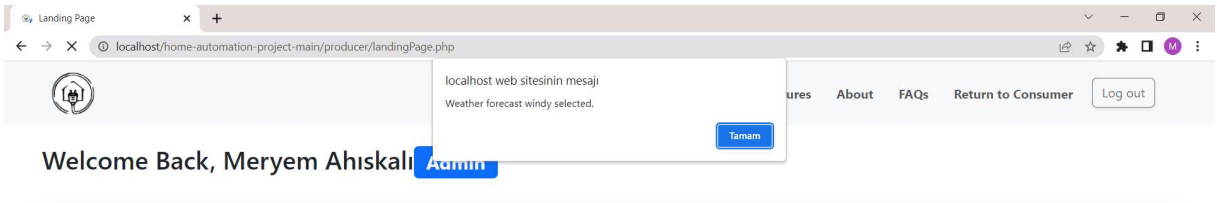


Change Weather Forecast

- Change



After clicking the “Random” button.

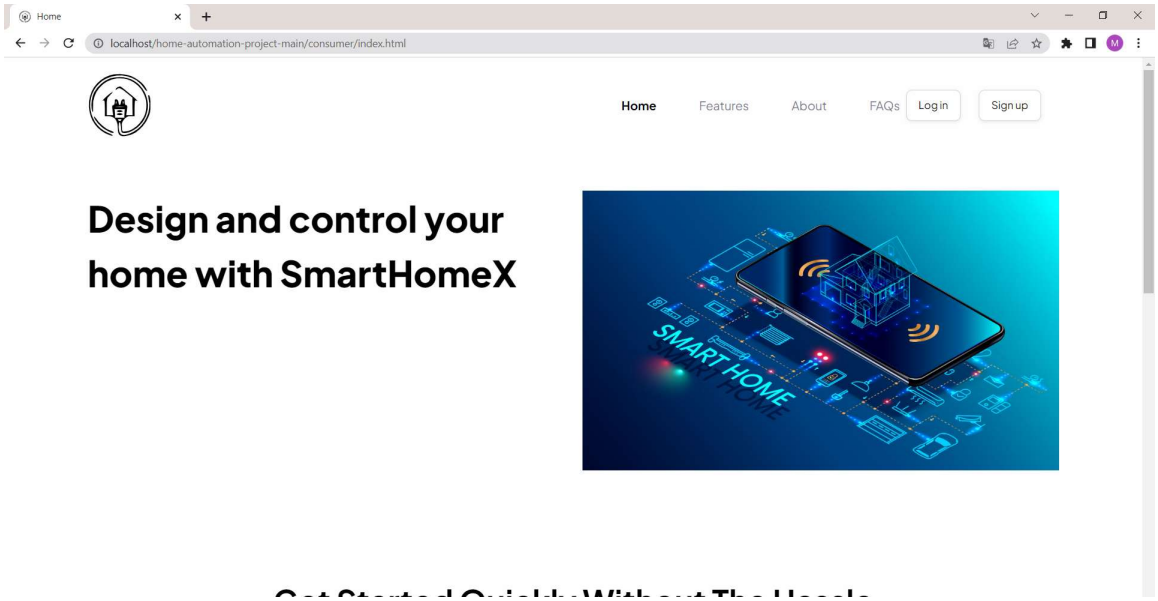


- Random

After clicking the “Random” button.

- **Log out**

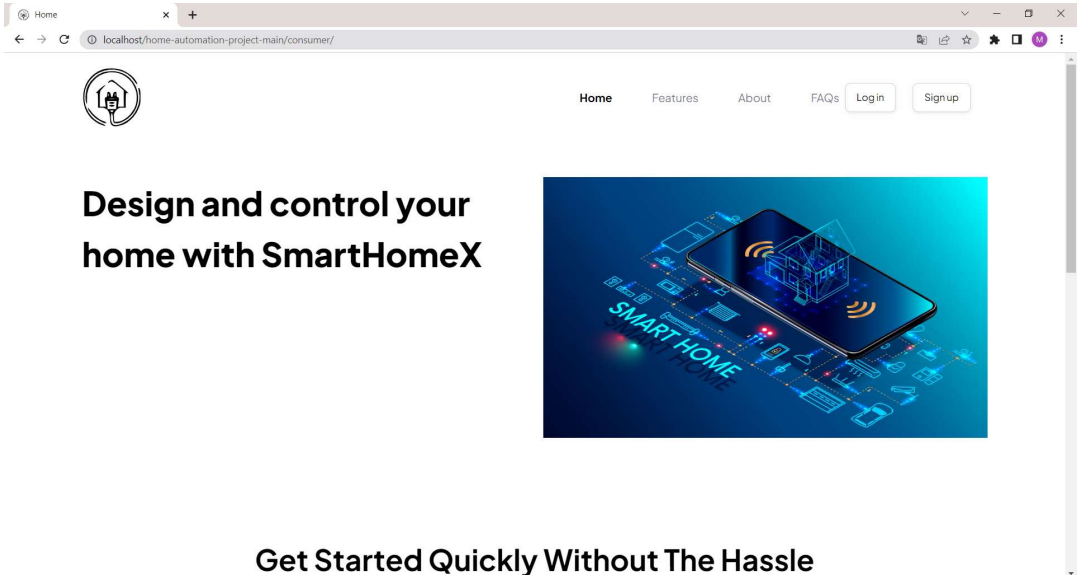
When the producer clicks the “Log out” button, it is directed to the Consumer Home Page. (This page for consumer to first look of the page.)



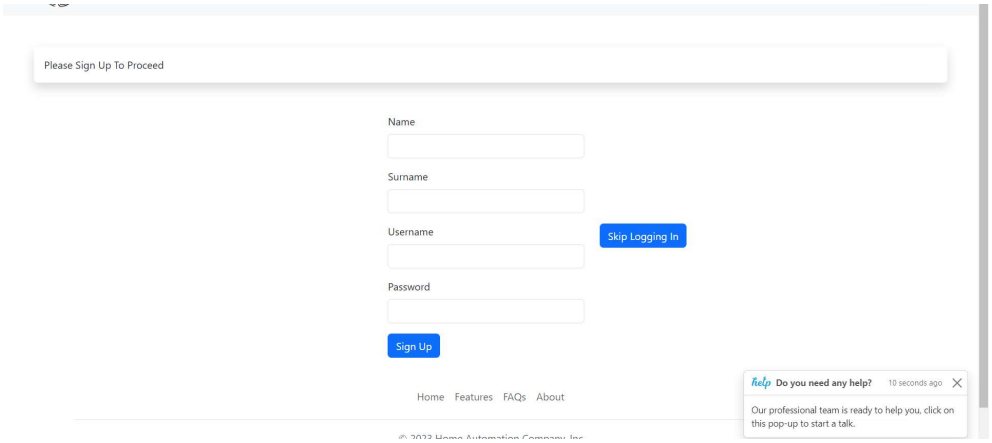
CONSUMER

- ## Consumer Home Page

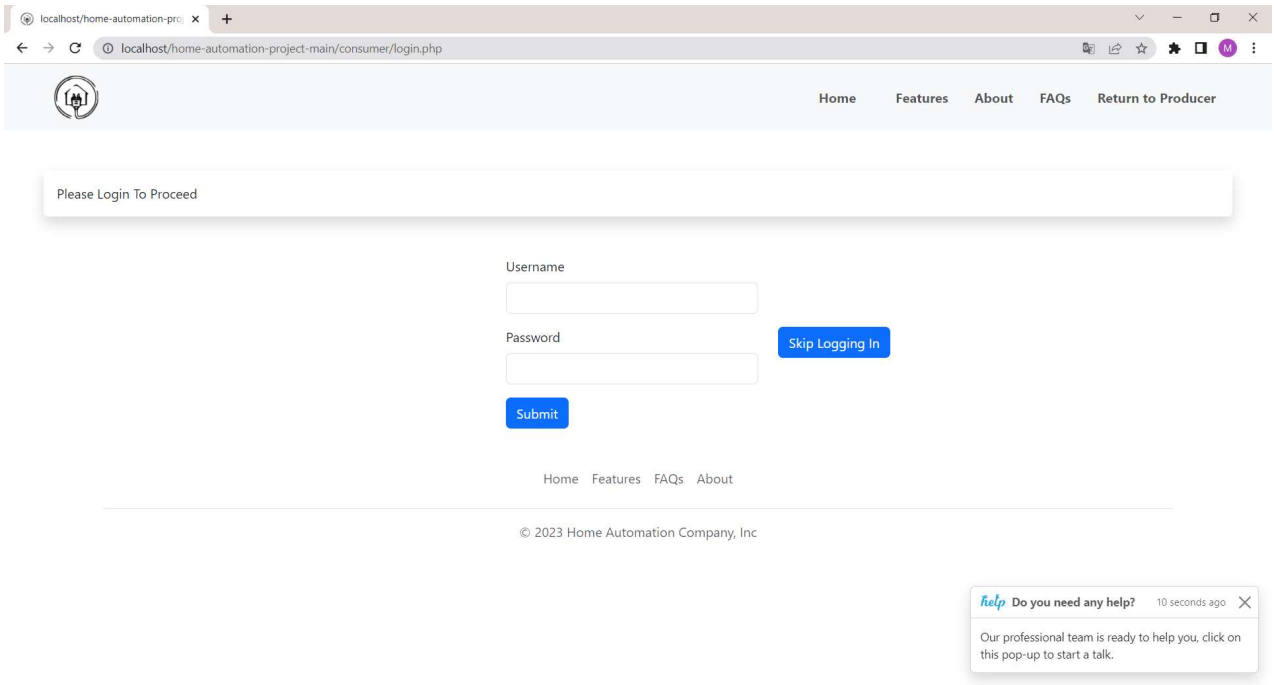
This page for consumer to first look of the page.



- ## Sign up Page



- **Log in Page**



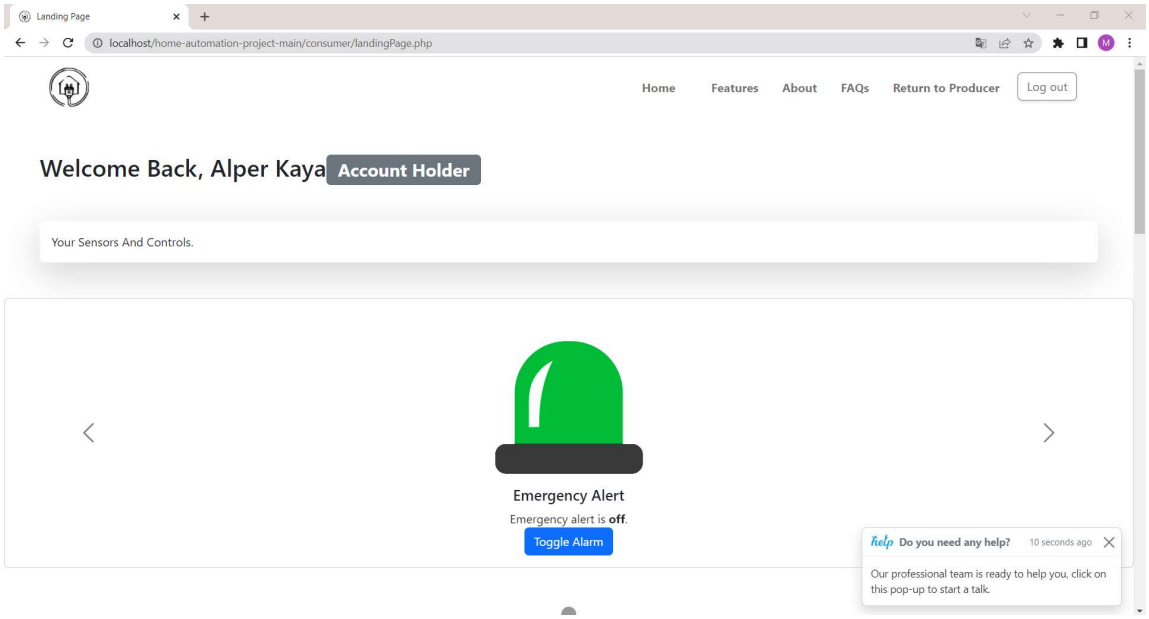
Login Information for Consumer:

Username : “user”

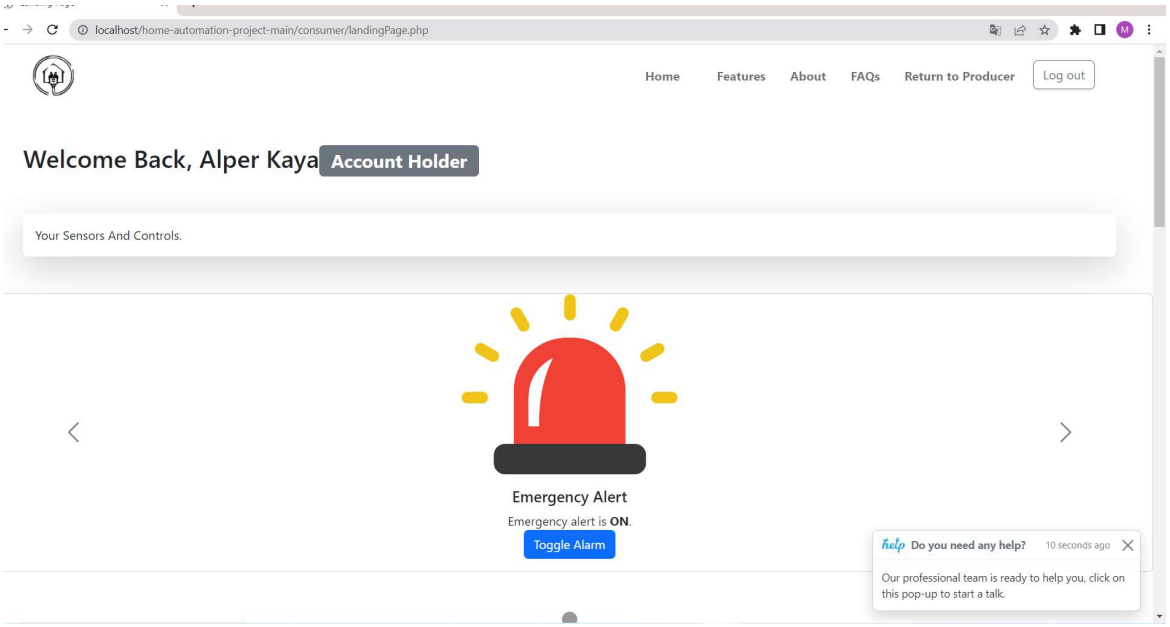
Password : “1234”

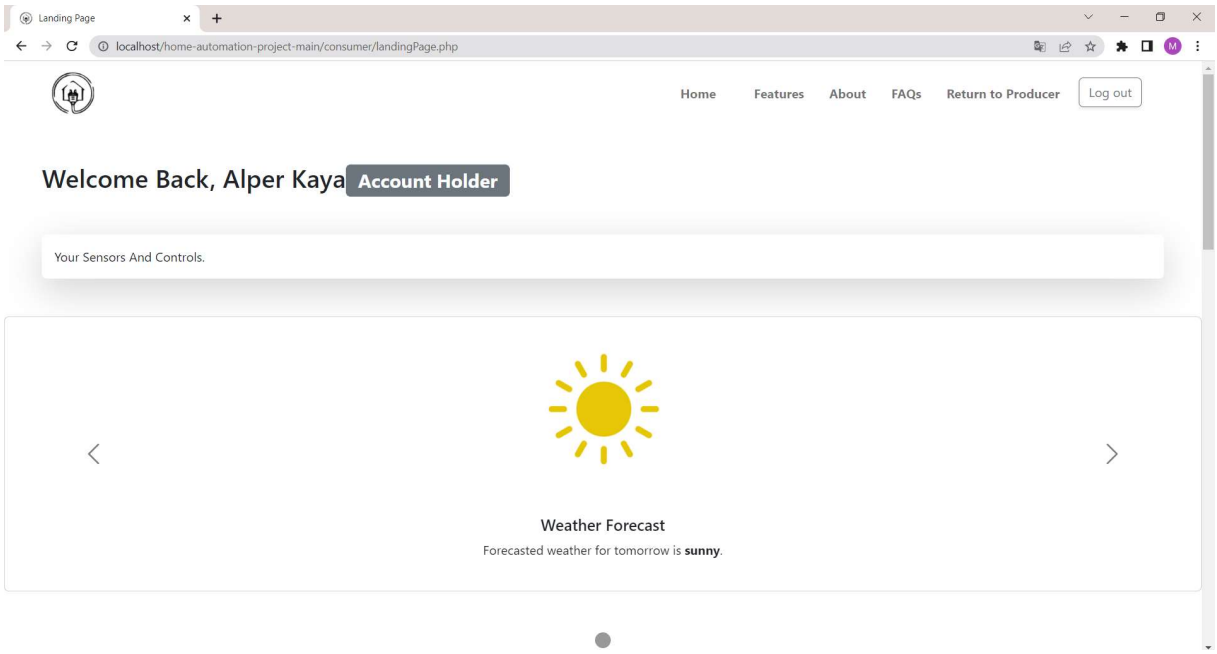
Or click “Skip Logging in” button without enter username and password.

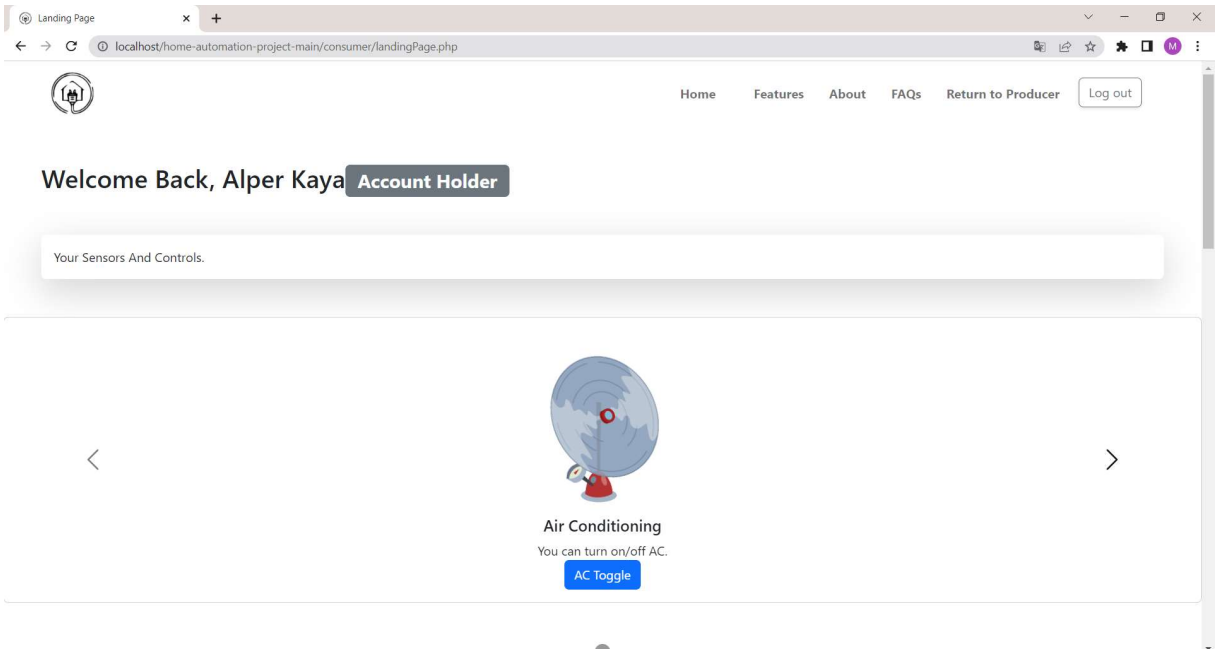
- **After Logged In**

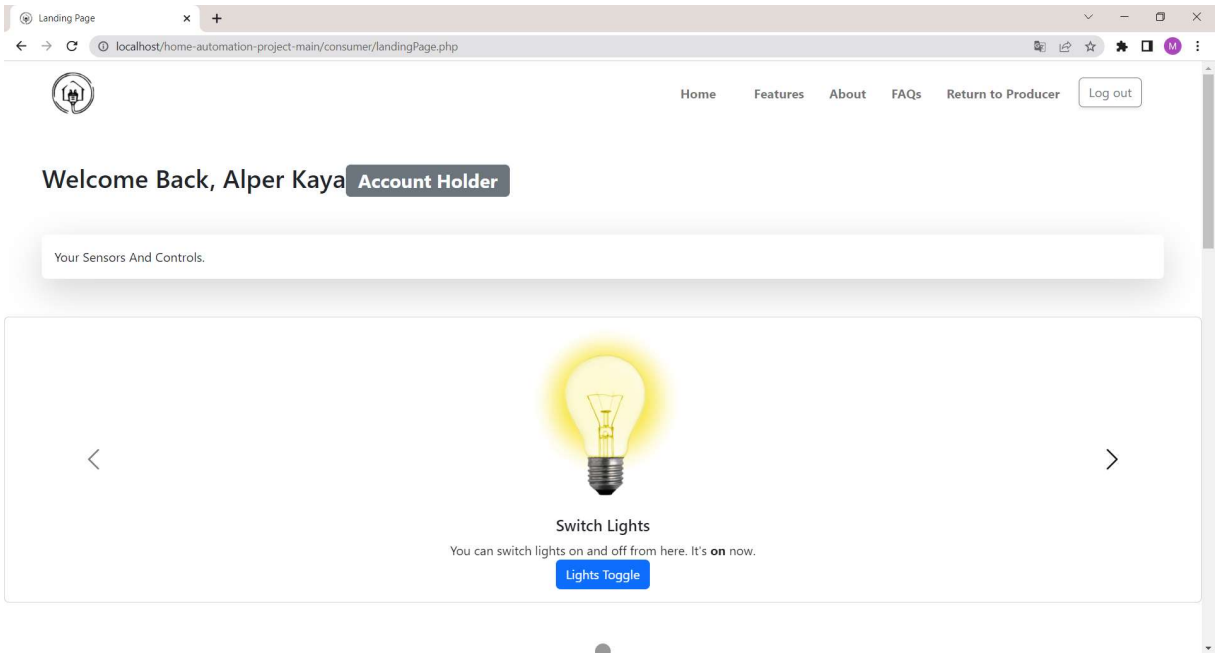


- **After Click "Toggle Alarm"**

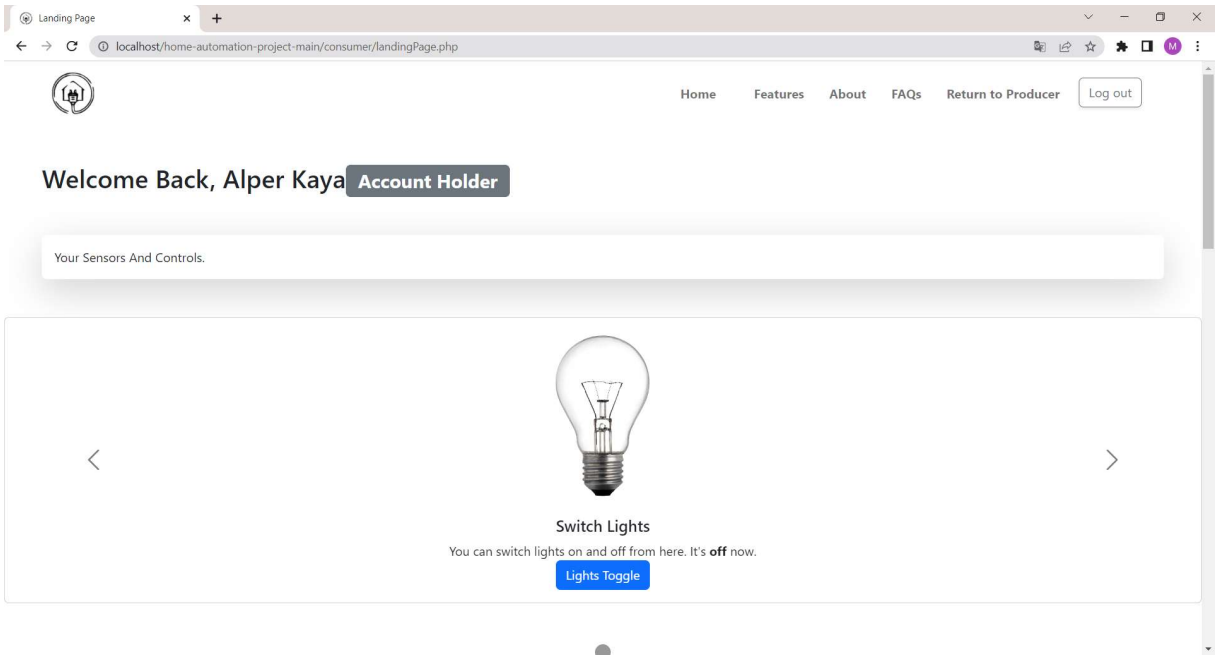


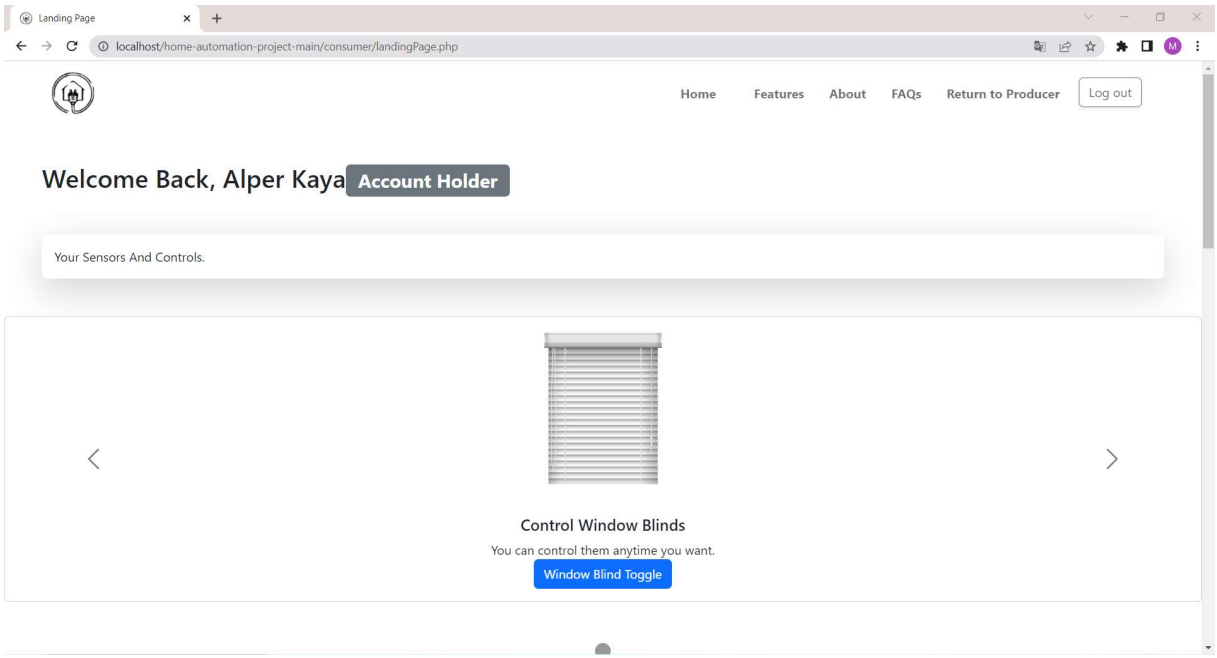

Landing Page
localhost/home-automation-project-main/consumer/landingPage.php
Home
Features
About
FAQs
Return to Producer
Log out
Welcome Back, Alper Kaya
Account Holder
Your Sensors And Controls.
Weather Forecast
Forecasted weather for tomorrow is sunny.


Landing Page
localhost/home-automation-project-main/consumer/landingPage.php
Home
Features
About
FAQs
Return to Producer
Log out
Welcome Back, Alper Kaya
Account Holder
Your Sensors And Controls.
Air Conditioning
You can turn on/off AC.
AC Toggle

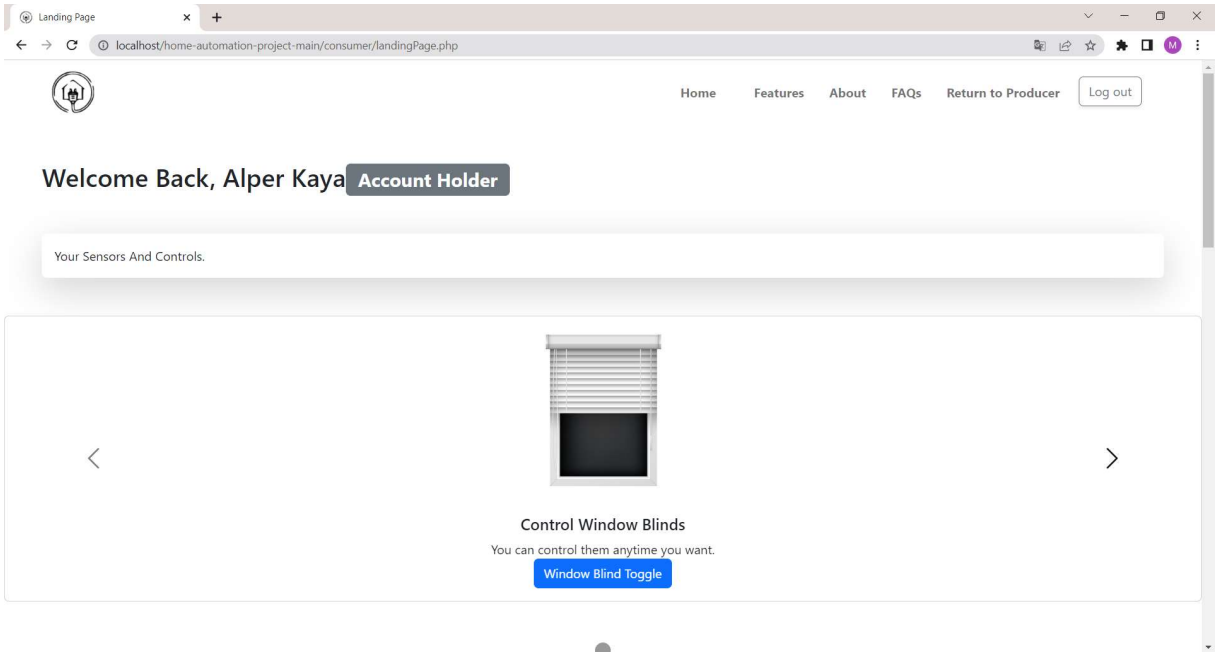


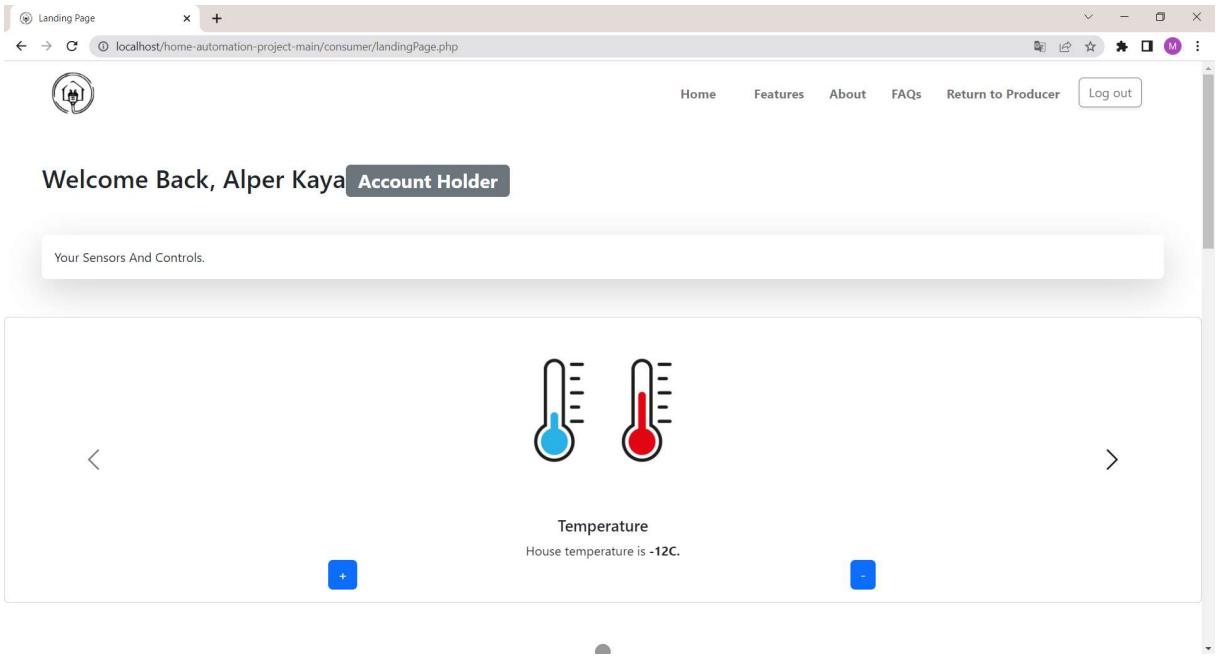
- **After Click "Lights Toggle"**



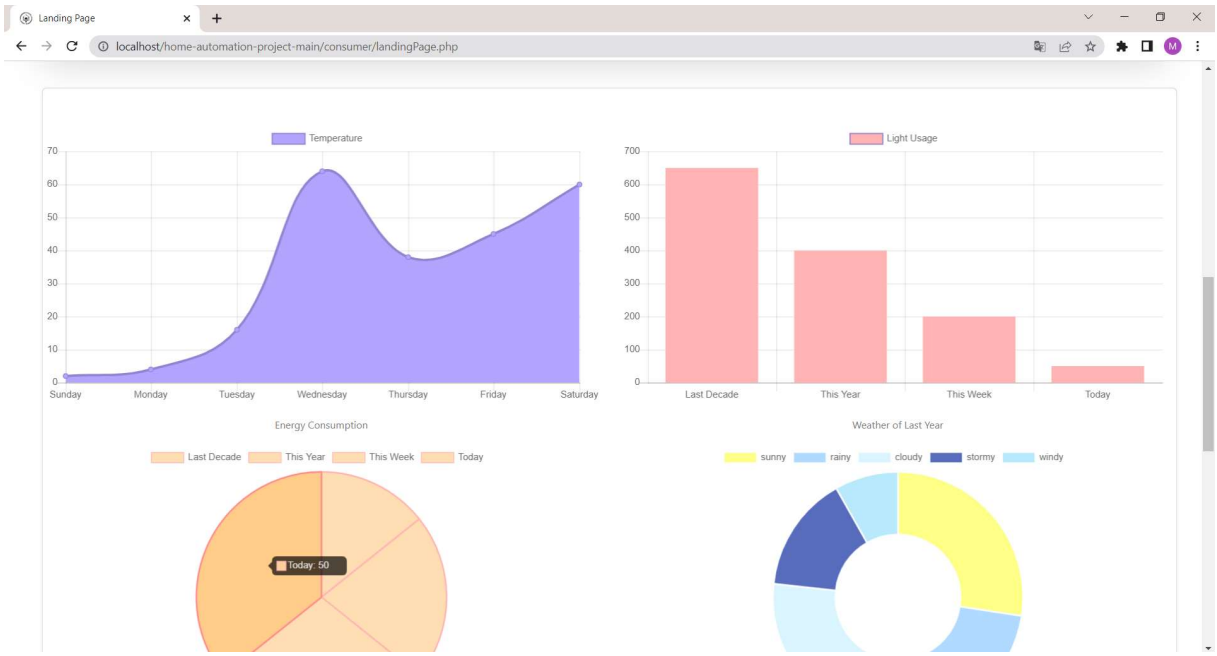


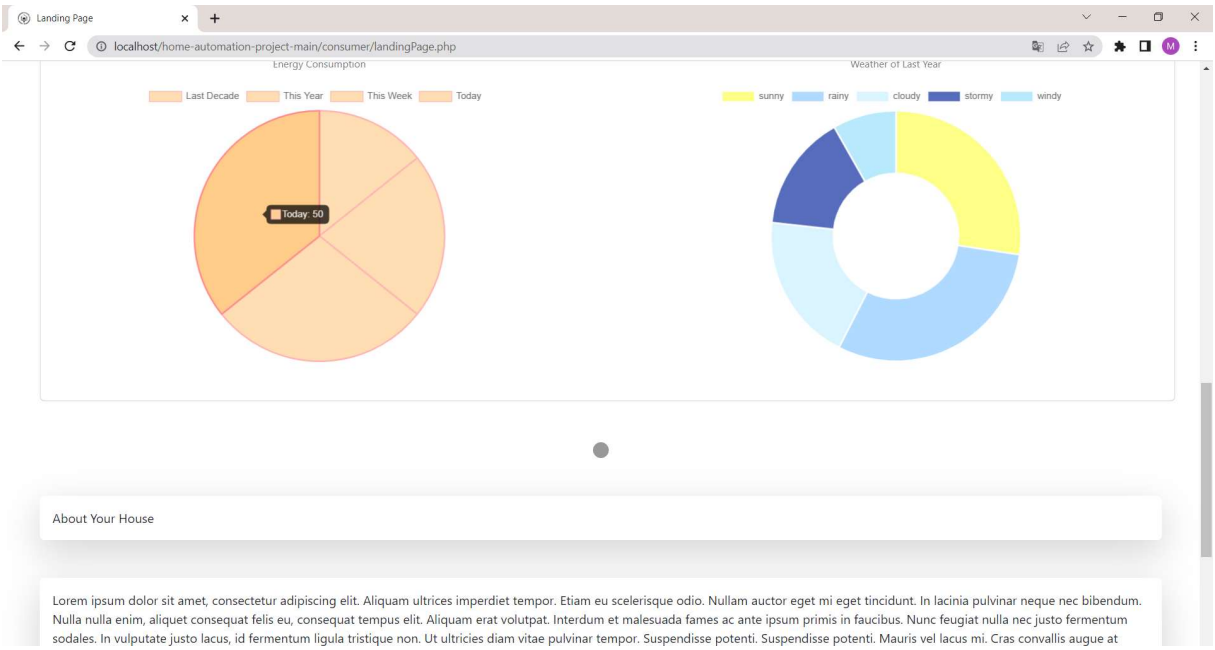
- **After Click “Window BlindToggle”**





- **Some graphics about device data**





About Your House

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aliquam ultrices imperdiet tempor. Etiam eu scelerisque odio. Nullam auctor eget mi eget tincidunt. In lacinia pulvinar neque nec bibendum. Nulla nulla enim, aliquet consequat felis eu, consequat tempus elit. Aliquam erat volutpat. Interdum et malesuada fames ac ante ipsum primis in faucibus. Nunc feugiat nulla nec justo fermentum sodales. In vulputate justo lacus, id fermentum ligula tristique non. Ut ultricies diam vitae pulvinar tempor. Suspendisse potenti. Suspendisse potenti. Mauris vel lacus mi. Cras convallis augue at dapibus accumsan. Ut lacinia enim velit, in semper ligula ornare ac. Nulla a feugiat tortor. Fusce vulputate posuere ex, nec interdum ante viverra sed. Phasellus orci mi, mattis vel euismod vel, malesuada at elit. Integer pretium ex eu pretium lacinia. Donec auctor mollis venenatis. Duis in congue sapien. Sed faucibus at ex vitae vestibulum. Fusce ac odio quam. Donec non venenatis libero, eget aliquet felis. Morbi quis ex efficitur, luctus dui in, sollicitudin ligula. Vestibulum maximus velit risus, ut maximus purus blandit vel. Aenean consequat sit amet mi euismod ultricies. Nunc ac augue quis velit molestie scelerisque quis a elit. Proin aliquet magna efficitur lobortis aliquam. Pellentesque at arcu non enim sodales porta sed nec orci. Curabitur massa orci, ornare non semper in, imperdiet at lorem. Morbi nisi libero, mattis in urna a, tincidunt lacinia felis. Proin efficitur cursus sem, a hendrerit velit ornare ut. Ut in nunc non est iaculis posuere non vitae ex. Morbi lobortis diam id rhoncus pellentesque. Nunc nec magna ipsum. Suspendisse consequat non nisi ac scelerisque. In blandit nisi interdum pellentesque congue. Quisque sed posuere neque.

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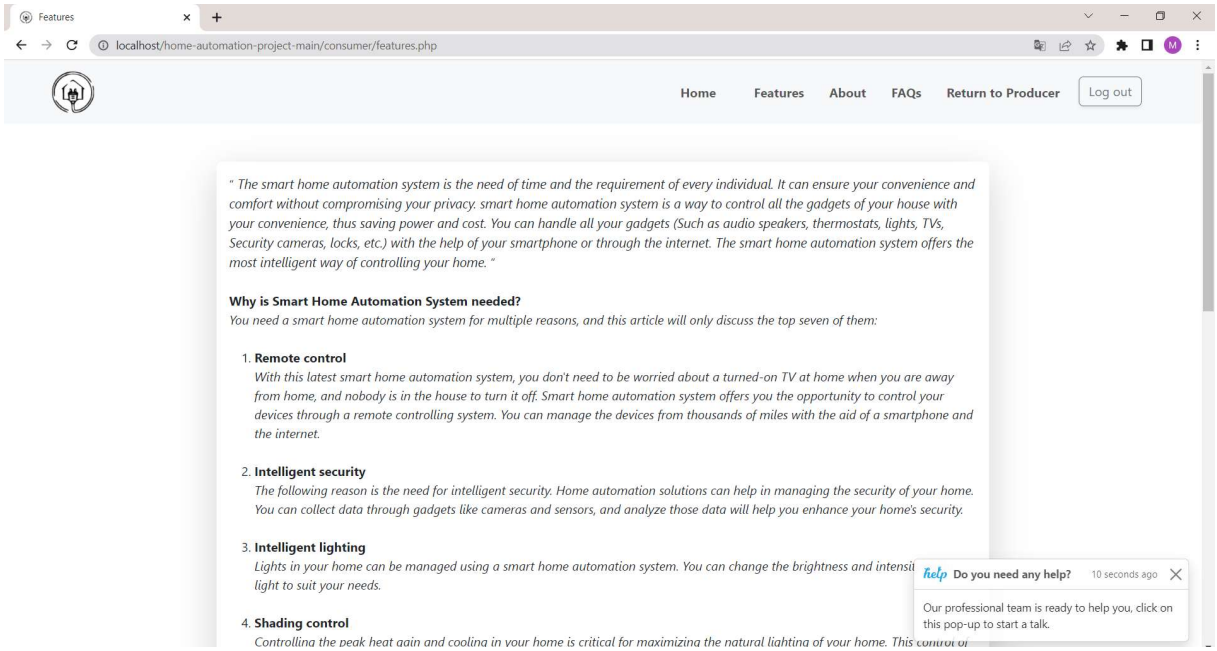
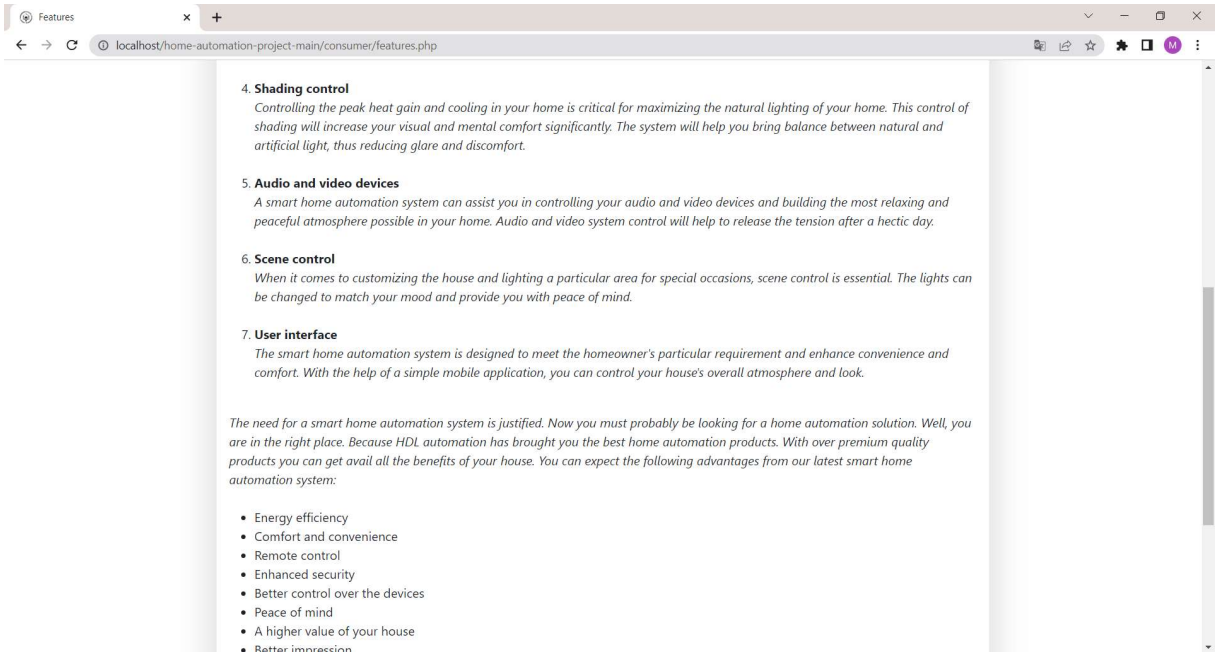
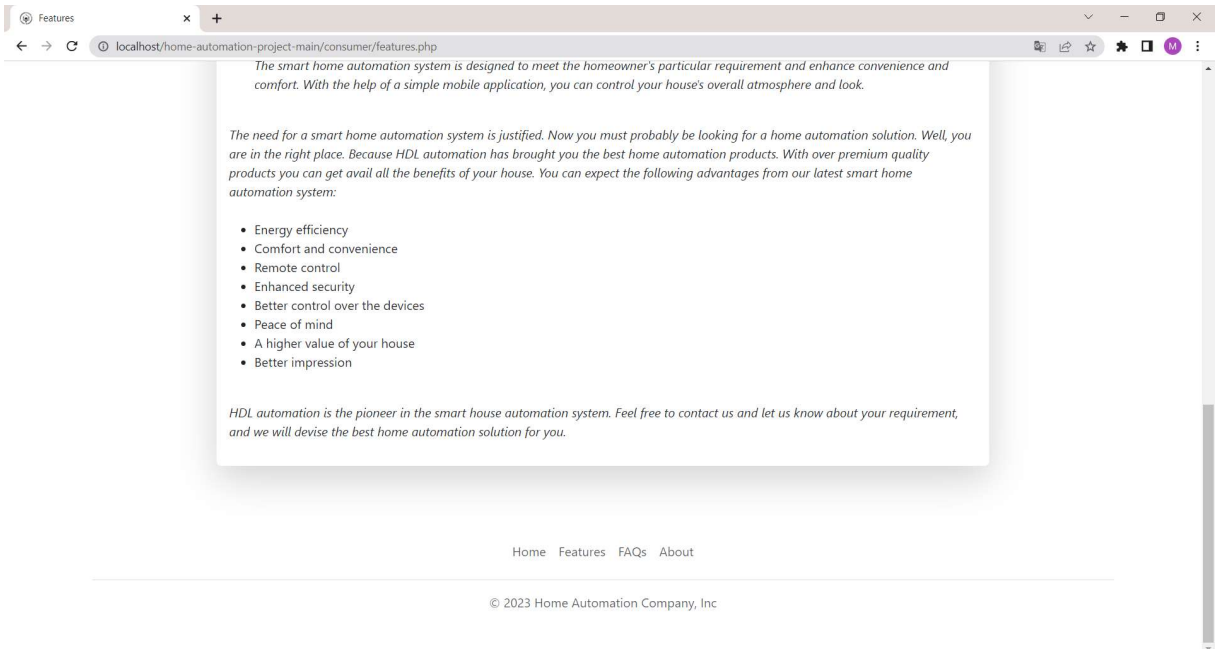
- **Features Page**






Features
localhost/home-automation-project-main/consumer/features.php
The smart home automation system is designed to meet the homeowner's particular requirement and enhance convenience and comfort. With the help of a simple mobile application, you can control your house's overall atmosphere and look.
The need for a smart home automation system is justified. Now you must probably be looking for a home automation solution. Well, you are in the right place. Because HDL automation has brought you the best home automation products. With over premium quality products you can get avail all the benefits of your house. You can expect the following advantages from our latest smart home automation system:
Energy efficiency
Comfort and convenience
Remote control
Enhanced security
Better control over the devices
Peace of mind
A higher value of your house
Better impression
HDL automation is the pioneer in the smart house automation system. Feel free to contact us and let us know about your requirement, and we will devise the best home automation solution for you.
Home Features FAQs About
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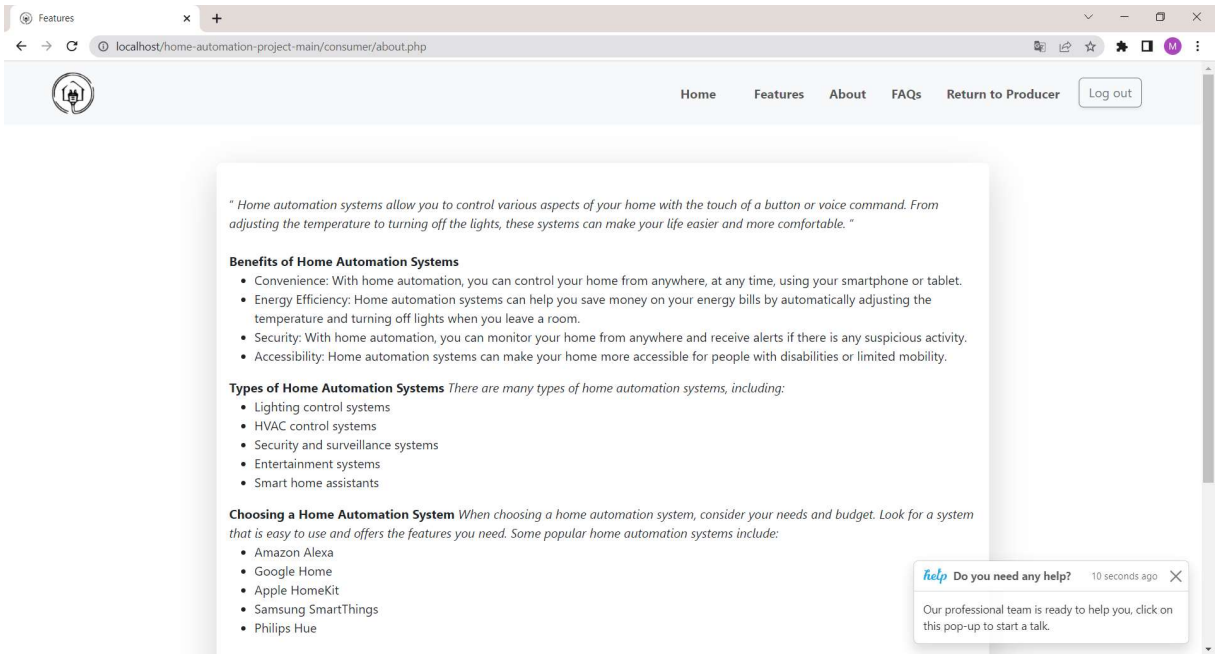
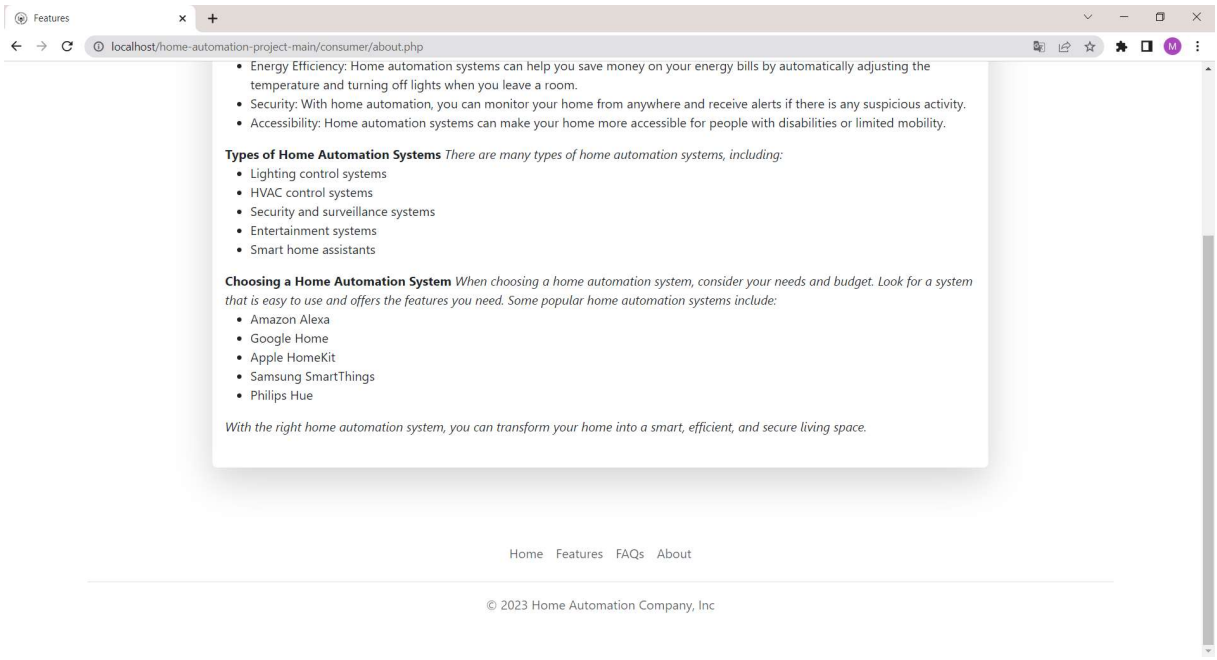
- **About Page**


Features
localhost/home-automation-project-main/consumer/about.php
Home
Features
About
FAQs
Return to Producer
Log out
" Home automation systems allow you to control various aspects of your home with the touch of a button or voice command. From adjusting the temperature to turning off the lights, these systems can make your life easier and more comfortable. "
Benefits of Home Automation Systems
Convenience: With home automation, you can control your home from anywhere, at any time, using your smartphone or tablet.
Energy Efficiency: Home automation systems can help you save money on your energy bills by automatically adjusting the temperature and turning off lights when you leave a room.
Security: With home automation, you can monitor your home from anywhere and receive alerts if there is any suspicious activity.
Accessibility: Home automation systems can make your home more accessible for people with disabilities or limited mobility.
Types of Home Automation Systems There are many types of home automation systems, including:
Lighting control systems
HVAC control systems
Security and surveillance systems
Entertainment systems
Smart home assistants
Choosing a Home Automation System When choosing a home automation system, consider your needs and budget. Look for a system that is easy to use and offers the features you need. Some popular home automation systems include:
Amazon Alexa
Google Home
Apple HomeKit
Samsung SmartThings
Philips Hue
help Do you need any help? 10 seconds ago
Our professional team is ready to help you, click on this pop-up to start a talk.


Features
localhost/home-automation-project-main/consumer/about.php
Energy Efficiency: Home automation systems can help you save money on your energy bills by automatically adjusting the temperature and turning off lights when you leave a room.
Security: With home automation, you can monitor your home from anywhere and receive alerts if there is any suspicious activity.
Accessibility: Home automation systems can make your home more accessible for people with disabilities or limited mobility.
Types of Home Automation Systems There are many types of home automation systems, including:
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HVAC control systems
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Amazon Alexa
Google Home
Apple HomeKit
Samsung SmartThings
Philips Hue
With the right home automation system, you can transform your home into a smart, efficient, and secure living space.
Home Features FAQs About
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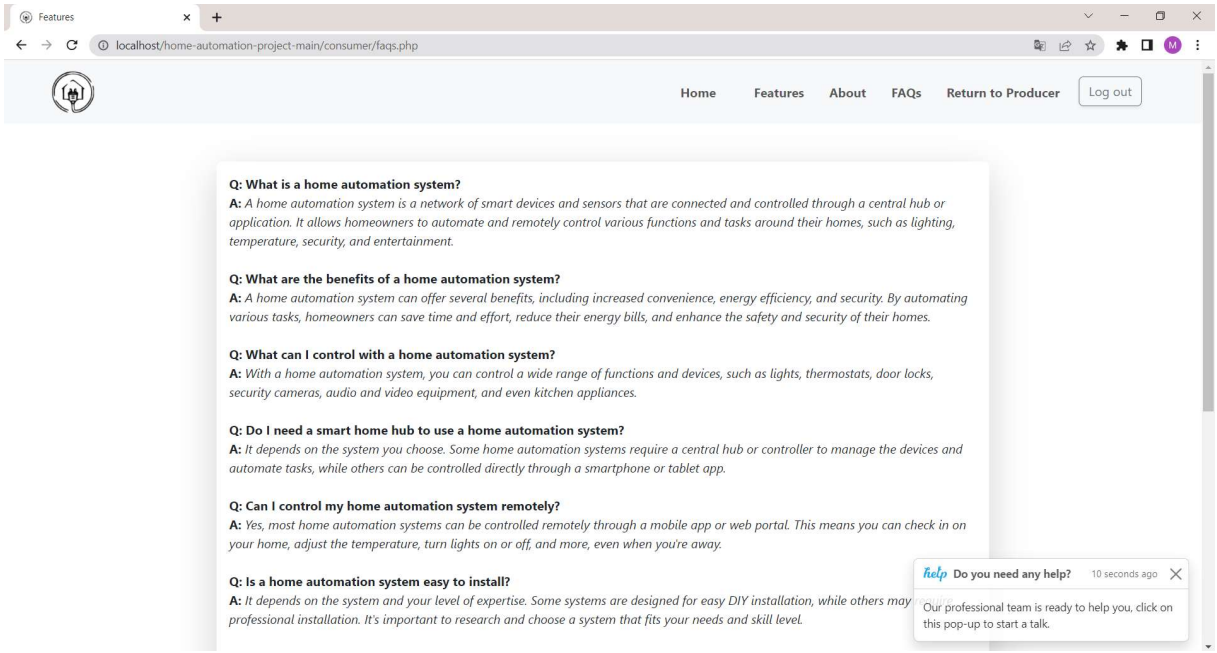
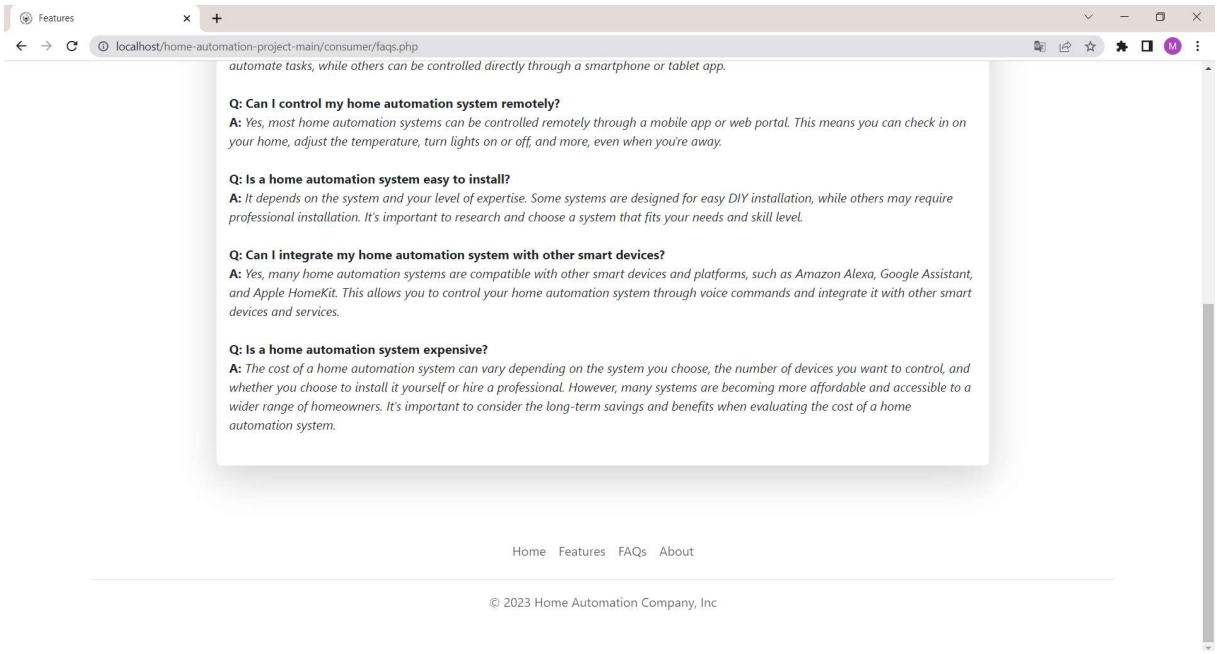
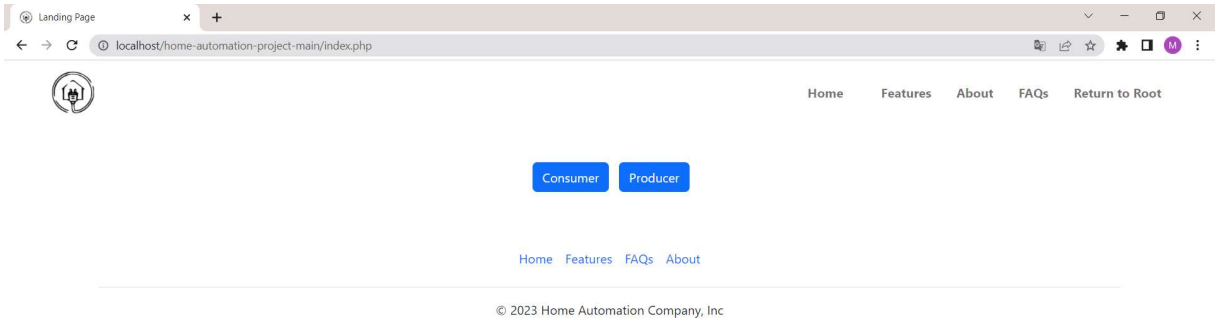
- **FAQs Page**


Features
localhost/home-automation-project-main/consumer/faqs.php
Home
Features
About
FAQs
Return to Producer
Log out
Q: What is a home automation system?
A: A home automation system is a network of smart devices and sensors that are connected and controlled through a central hub or application. It allows homeowners to automate and remotely control various functions and tasks around their homes, such as lighting, temperature, security, and entertainment.
Q: What are the benefits of a home automation system?
A: A home automation system can offer several benefits, including increased convenience, energy efficiency, and security. By automating various tasks, homeowners can save time and effort, reduce their energy bills, and enhance the safety and security of their homes.
Q: What can I control with a home automation system?
A: With a home automation system, you can control a wide range of functions and devices, such as lights, thermostats, door locks, security cameras, audio and video equipment, and even kitchen appliances.
Q: Do I need a smart home hub to use a home automation system?
A: It depends on the system you choose. Some home automation systems require a central hub or controller to manage the devices and automate tasks, while others can be controlled directly through a smartphone or tablet app.
Q: Can I control my home automation system remotely?
A: Yes, most home automation systems can be controlled remotely through a mobile app or web portal. This means you can check in on your home, adjust the temperature, turn lights on or off, and more, even when you're away.
Q: Is a home automation system easy to install?
A: It depends on the system and your level of expertise. Some systems are designed for easy DIY installation, while others may require professional installation. It's important to research and choose a system that fits your needs and skill level.
help Do you need any help? 10 seconds ago
Our professional team is ready to help you, click on this pop-up to start a talk.



- **Return to Producer**

Return to starting point page.