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Internet of Things Project

The Door – User Manual

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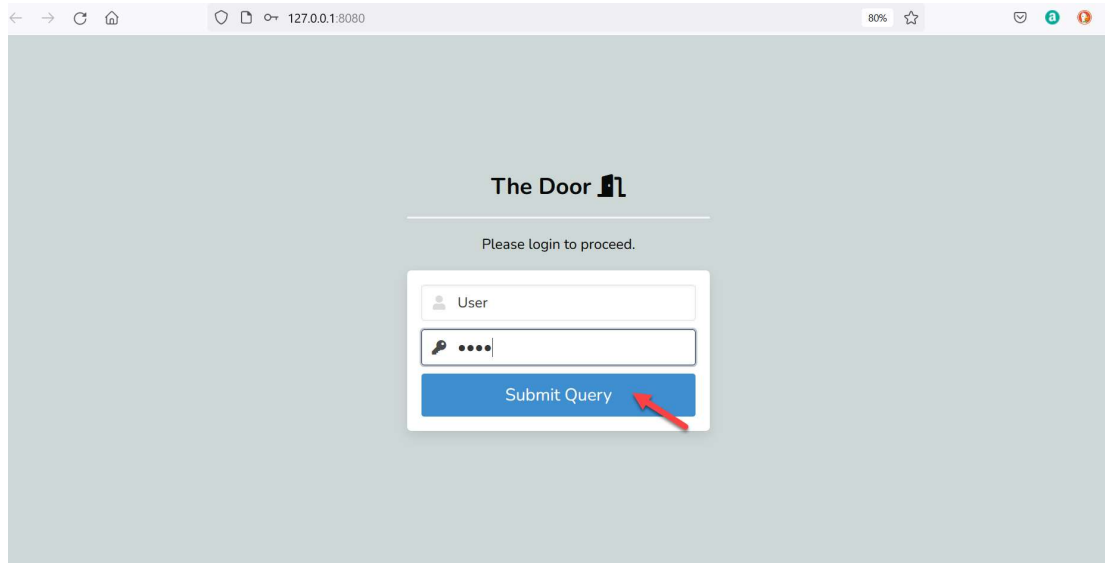
1 General information

The Door is a door control system, which enables the user to regulate different lock states of a door via a web interface. Depending on the lock state, the door can be opened with assigned NFC cards, through the detection of motion or not at all.

This user manual describes the *The Door* website and guides the user through its functions. It does not provide detailed technical information - for this information the technical documentation should be consulted. It is recommended to read all the information provided. For additional information, please contact the *The Door* development team.

2 Log in

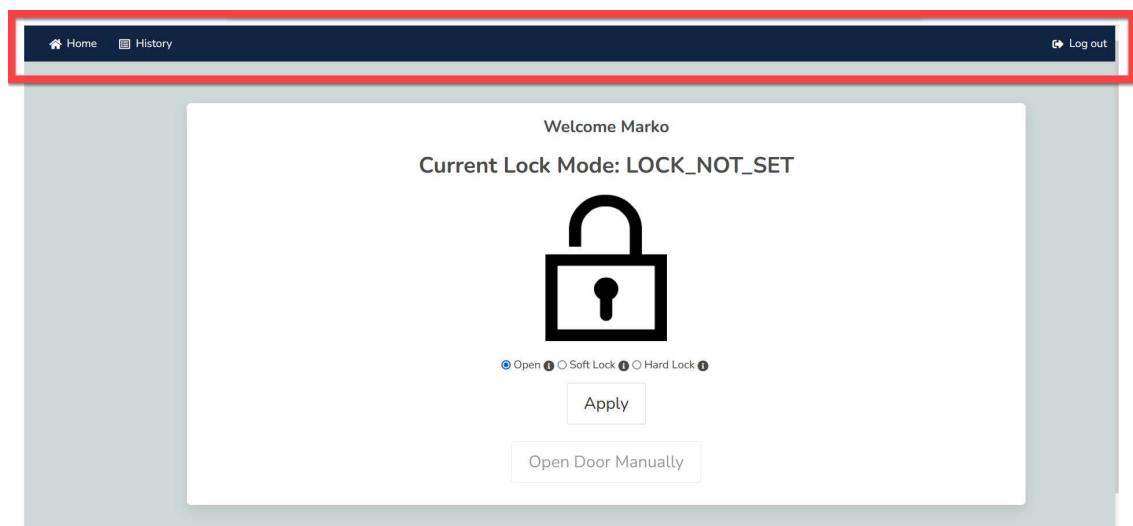
- In order to access the website type “http://127.0.0.1:8080” in the address line of your internet browser and press enter.
- The login page is shown asking for username and password. The admin, which created your account, should have provided you with this information.
- Write the given username and password in the respective textbox and press enter or click the “Submit” button (picture 1).
- The login was successful if the main page is displayed as shown in picture 2.



Picture 1

3 Navigation Menu

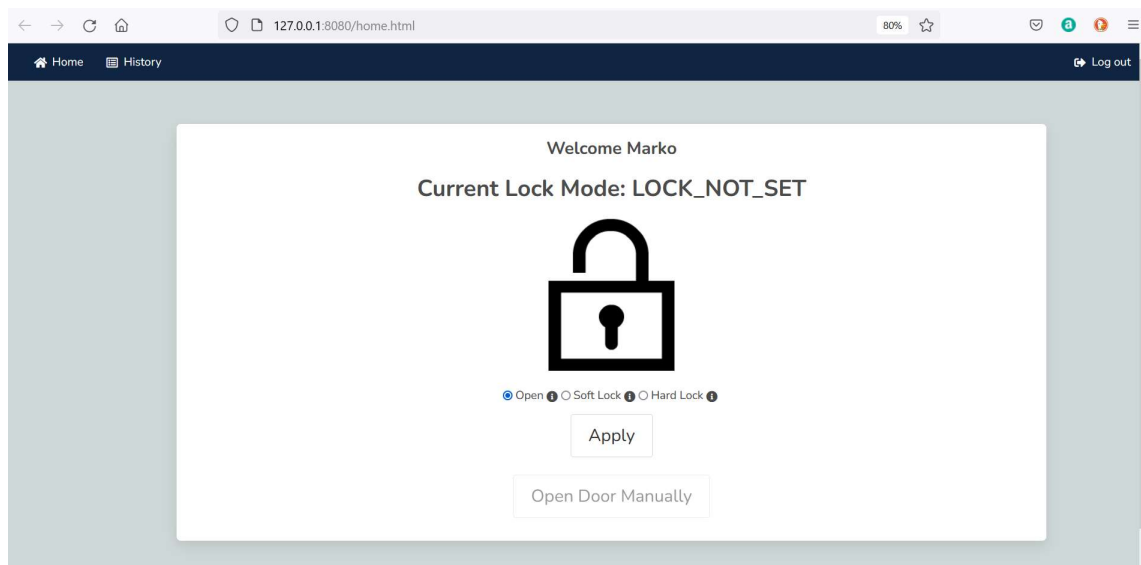
Every page (besides Log in) has a navigation menu at the top of the screen. It contains the following elements: “Home” “History” and “Log out”. By clicking one of the buttons the user is directed to the respective page.



Picture 2

4 Main page

This main page provides the main functionalities for controlling the door. The page greets the user and displays a lock, which displays the current state of the door. The user can change the lock mode of the door by clicking one of the radio buttons. Each mode has to be applied by clicking the button “Apply” after changing the mode. There is also a button to open the door manually.



Picture 3

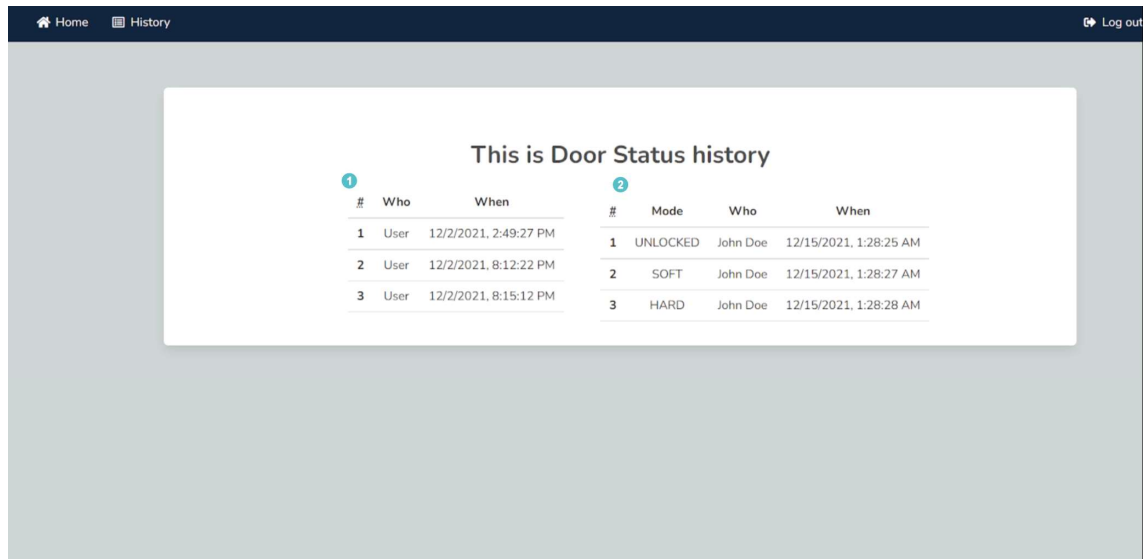
4.1 Lock modes

The door control system can be set to three different lock modes: “Open”, “Soft Lock” and “Hard Lock”. In the “Open” mode the door opens when the passive infrared motion sensor detects motion. There are no further restrictions in this mode. “Soft Lock” mode requires an NFC card to open the door. When the door mode is set to “Hard Lock”, it can only be opened by clicking the “Open Door Manually” button.

5 History page

The history page displays two tables. The left table is the door_history table and the right one the lock_history table. The door_history table provides information about when and by whom a NFC card was used to open the door.

The lock_hostory table stores information about which website user changed the door lock mode, which mode is active following the change and when this was done.



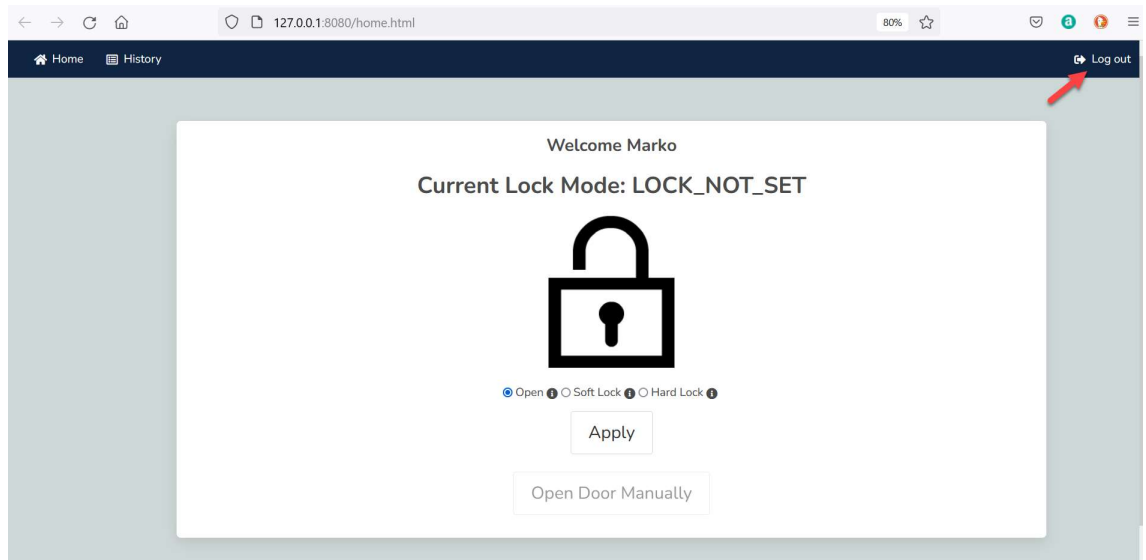
| # | Who | When |
|---|------|-----------------------|
| 1 | User | 12/2/2021, 2:49:27 PM |
| 2 | User | 12/2/2021, 8:12:22 PM |
| 3 | User | 12/2/2021, 8:15:12 PM |

| # | Mode | Who | When |
|---|----------|----------|------------------------|
| 1 | UNLOCKED | John Doe | 12/15/2021, 1:28:25 AM |
| 2 | SOFT | John Doe | 12/15/2021, 1:28:27 AM |
| 3 | HARD | John Doe | 12/15/2021, 1:28:28 AM |

Picture 4

6 Log out

- By clicking “Log out” (picture 4) in the menu at the top of the screen, you can logout from the website.
- If the logout was successful, the login page is displayed as in picture 1.



Picture 5