



Smart Door Lock

Jumana Nahhas, Huda Al-attas, Hana'a Bahatab, Elaf Jafar, Aliah Alghabeshi

Computer Science department, Umm Al-qura University

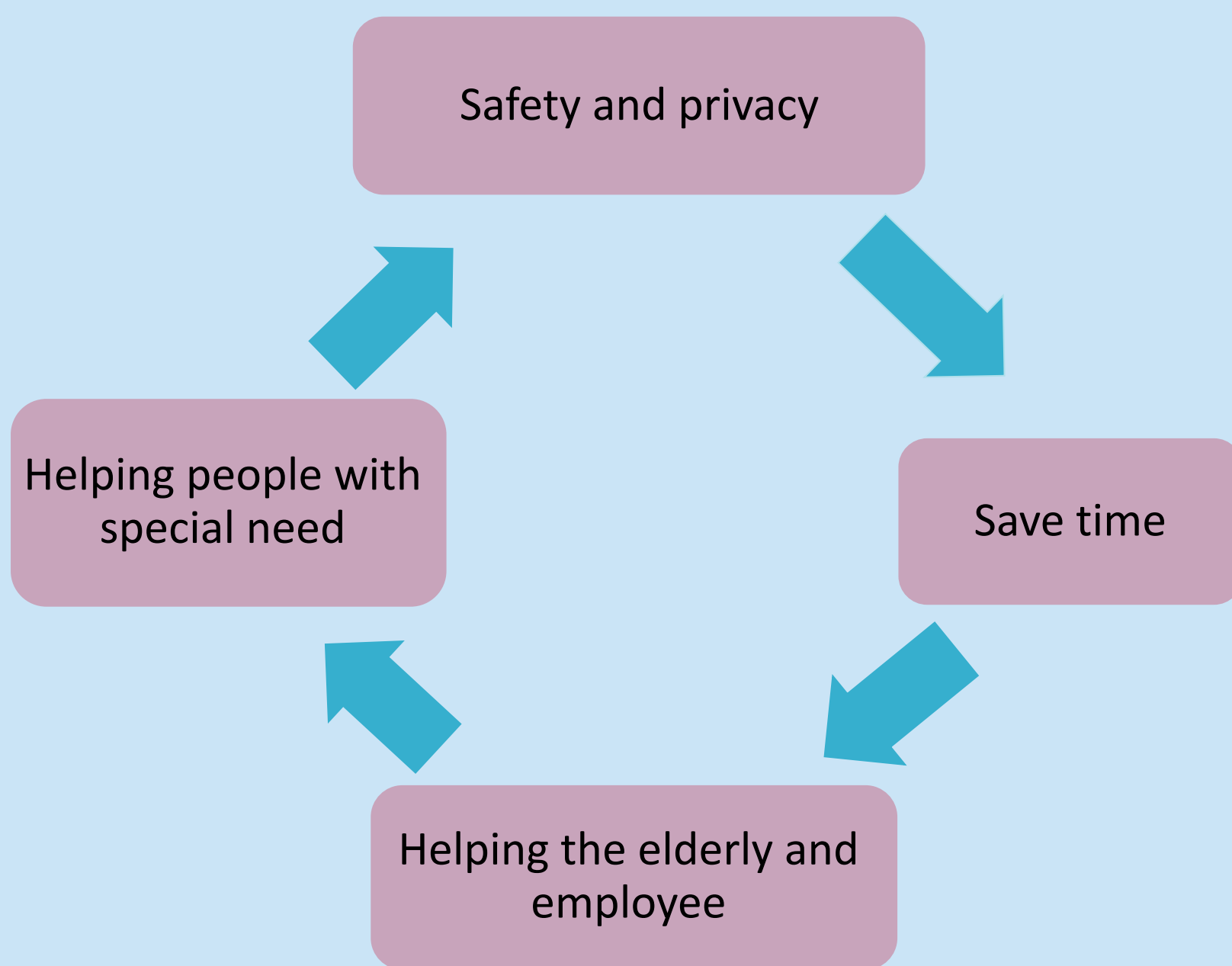


Introduction

Security is important in our life especially in our homes to protect our families and children.

Our System (smartdoor lock) helps people to know who is behind the door easily. In our system home owner can access the website with username and password and then if any guest come to his\her home the device will capture an image of his\her using Raspberry pi , and send it to the owner by Wi-Fi then the owner will decide either to open the door or not.

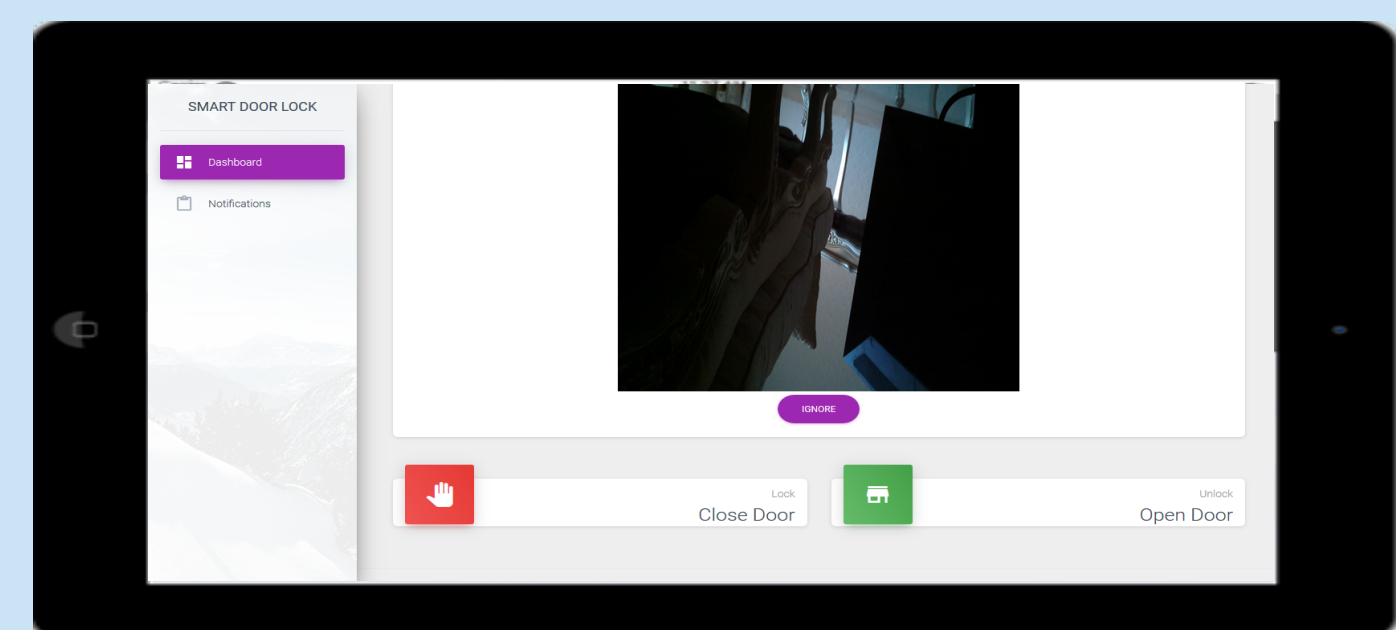
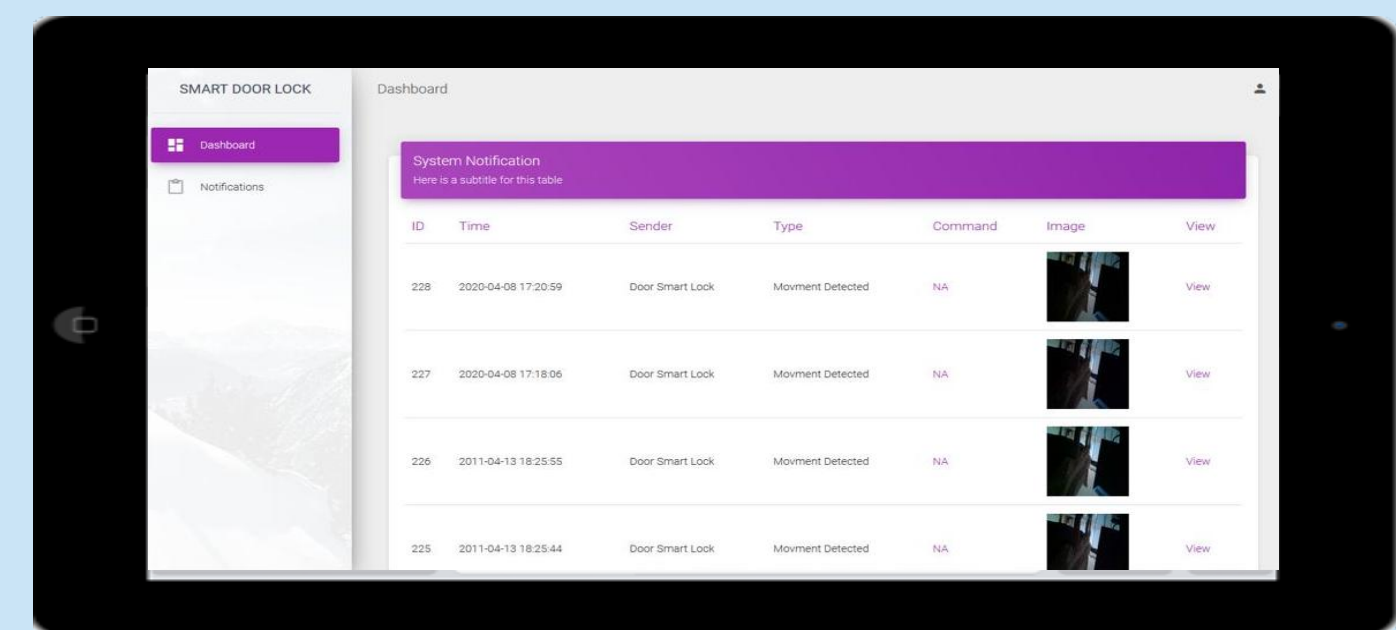
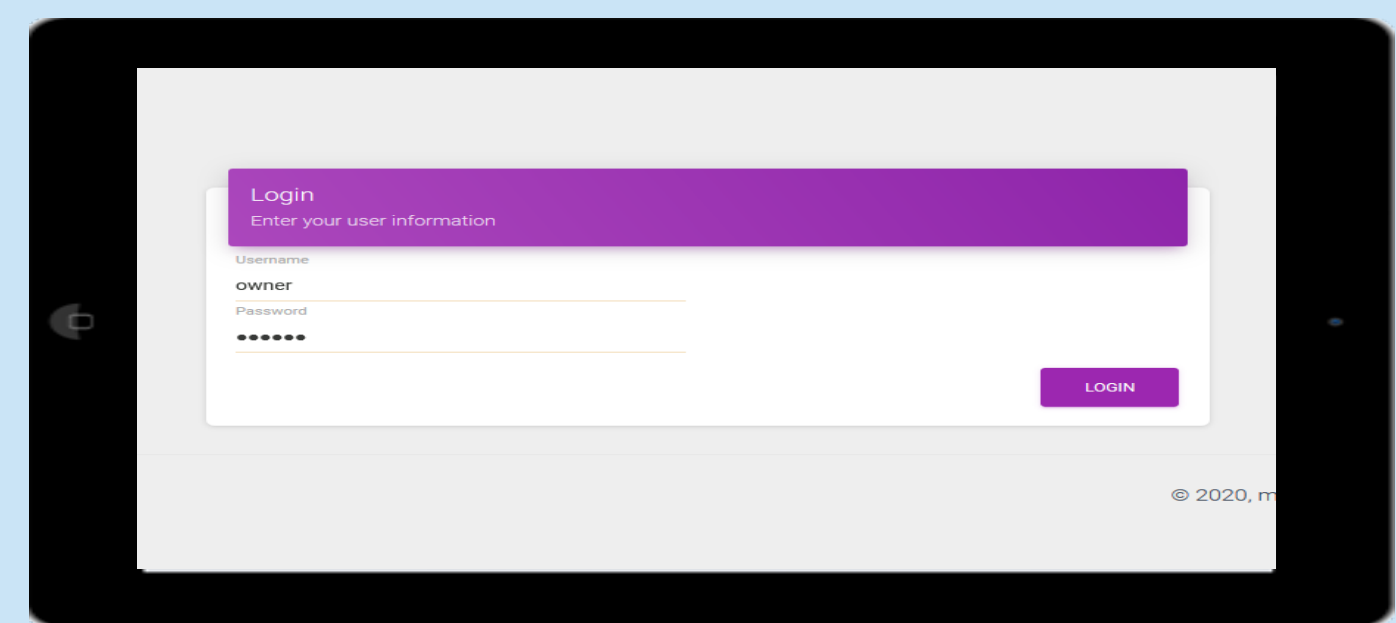
Aim And Objectives



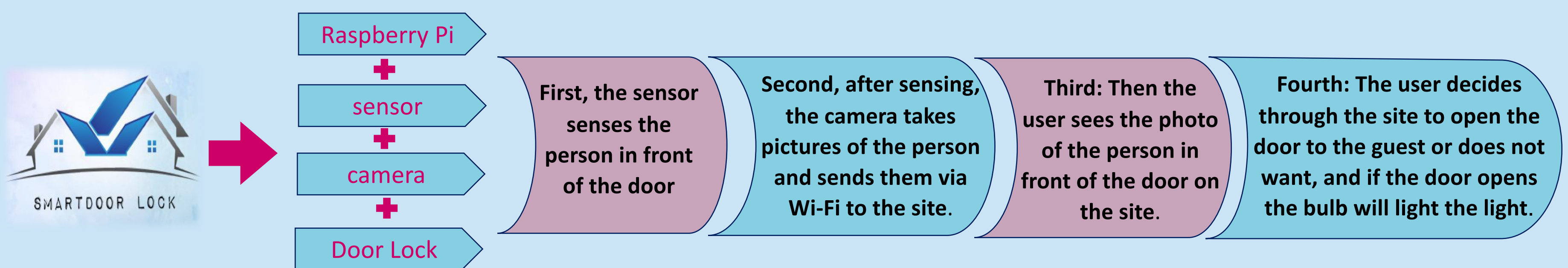
Tools And Material



Website Design

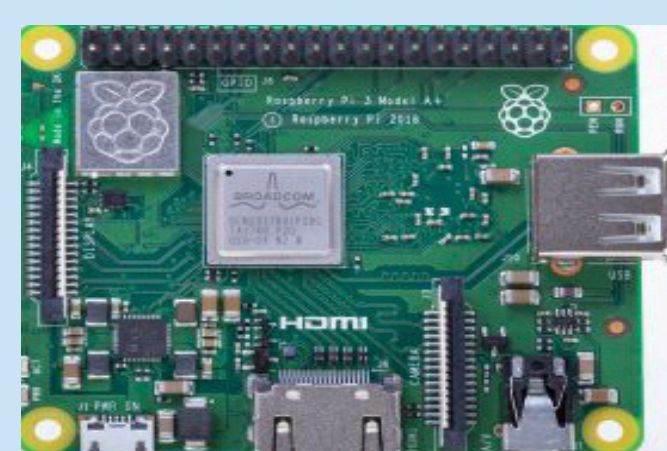


How to Work the System



What is Raspberry

The "Raspberry Pi" is a group of small single-board low-cost, high-performance computers that connects to a computer monitor or TV, using a regular mouse and keyboard. It was mainly developed so that more people are able to access the power of computing and digital technologies for work, and to solve problems that matter to them.



Reference

- Raspberry Pi. (n.d.). What is a Raspberry Pi?. [online] Available at: <https://www.raspberrypi.org/help/what-%20is-a-raspberry-pi/>.
- Raspbian.org. (n.d.). FrontPage - Raspbian. [online] Available at: <https://www.raspbian.org>.
- W3schools.com. (n.d.). Introduction to Python. [online] Available at: https://www.w3schools.com/python/python_intro.asp.
- Products.office.com. (n.d.). Flowchart Maker and Diagramming Software - Microsoft Visio. [online] Available at: <https://products.office.com/en/visio/flowchart-software>.
- Method123.com. (n.d.). Initiation Phase - Project Initiation Phase. [online] Available at: <https://www.method123.com/project-initiation-phase.php>.