**Background / Scenario**

Explore the smart home

**Part 1: Scenario**

If someone walks by the door, the motion sensor is triggered, webcam is activated. And someone from the inside can see from the LCD a notice that “**PERSON OUTSIDE**”. When the owner of the house comes, he must unlock the door using the card to the RFID reader.

The kitchen, to use it, you use the switch next to the door to open the door. While it is opening, the coffee appliance and the lamp are turned on. And to turn them off, you walk out and switch the Switch off.

When somebody walks in the living room, the motion sensor is triggered, and it activates the fan to spin.

If the owner of the house wants to make use of the garage door, he can use his smart phone to operate the door. **Note**, wait for the wireless connection to be established to operate.

**Steps 1:**

1. Click Alt + Click the motion sensor. The webcam switches on.
2. First place the RFID card to the reader so it changes the colour to match the door colour. And you can notice when it’s green, is unlocked. Ensure their colour match.
3. Drag the RFID Card to the RFID Reader, when it changes to green light, the door is unlocked, you can open with Alt + Click.

**Step 2: Use the kitchen**

1. Click Alt + Click the switch button to open the kitchen door.
2. The coffee Appliance switches on and the lam is on. Also control using the phone.
3. Apply the first step when leaving the kitchen to turn off lamp and the appliance.

**Step 3: living Room**

1. Click Alt + Click the motion sensor, the fan is triggered and spins.

**Step 4: Wireless Connection**

1. Go to the smart phone desktop, you choose to use between Web browser and IoT Monitor.
2. Login using the site name**: myhome.com** or 192.168.0.10 and when asked for credentials enter, username**: vusi** and password**: vusi**
3. When you logged in, you can control the garage door as **GDoor** to open and close.

You can browser the conditions I created to control the door with the RFID card.