Components and the usage :

1. **PIR Sensor Module** : PIR sensor detects a human being moving around within approximately 10m from the sensor. This is an average value, as the actual detection range is between 5m and 12m. PIR are fundamentally made of a pyro electric sensor, which can detect levels of infrared radiation. For numerous essential items that need to discover when an individual has left or entered the area.
2. **Magnetic Door Switch Set** :  a small reed switch assembly specifically designed to alert you when doors, drawers, or any other aperture opens. One half of the assembly set on a window or door frame and the other attached to the window or door itself. When the switch set is separated from each other the contact is broken and triggers an alarm.
3. **Buzzer** :  a magnetic [buzzer](https://www.techshopbd.com/product-categories/buzzers/177/buzzer-techshop-bangladesh) which generates a continuous beep usually when supplied with power but can generate any tone as you wish by interfacing it with a micrcontroller with proper coding.
4. **Switch**
5. **Arduino** : The Arduino Uno is a microcontroller board based on the ATmega328. It has 14 digital input/output pins (of which 6 can be used as PWM outputs), 6 analog inputs, a 16 MHz ceramic resonator, a USB connection, a power jack, an ICSP header, and a reset button. It contains everything needed to support the microcontroller; simply connect it to a computer with a USB cable or power it with a AC-to-DC adapter or battery to get started.
6. **USB cable**
7. **Breadboard** : setup of our electronic circuits
8. **Web Camera Security System** - Basic motion detection monitoring system.
9. **Jumpers**
10. **LCD : 16x2 LCD Display will be used to exhibit a message.**
11. **Resistors**