User Guide
for
SafeHome System

2015. Spring, KAIST. [CS350] SafeHome Project

TEAM 5
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Preface.

SafeHome is an automated system for home surveillance and management accessed via control panel and internet. SafeHome system includes devices and functions related to cameras, control panel, sensors, and web interface.

This user guide is for home owner who will use SafeHome system. This guide assumes that home owner already installed safehome system in his/her computer.

Before installed SafeHome system, you should install the JDK 5 or JDK 6. This link is for downloading JDK. *http://java.sun.com/javase/downloads/index.jsp*

Default Information.

Control Panel password: 1111
Web User ID: sky
Web User Password: helloworld
Web User Password2: 1379

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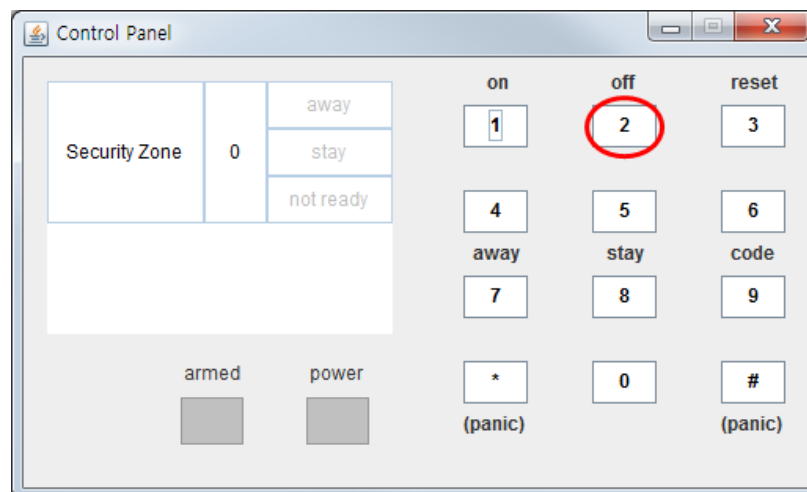
Part I. Control Panel
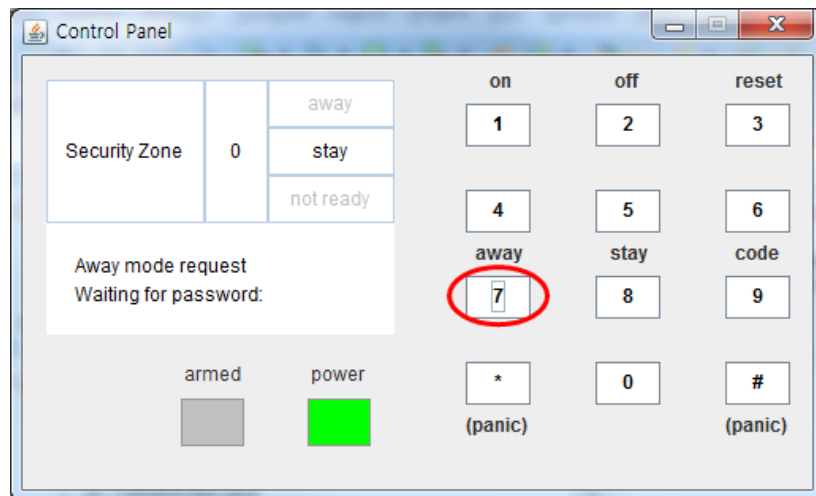
I.1. Boot up System

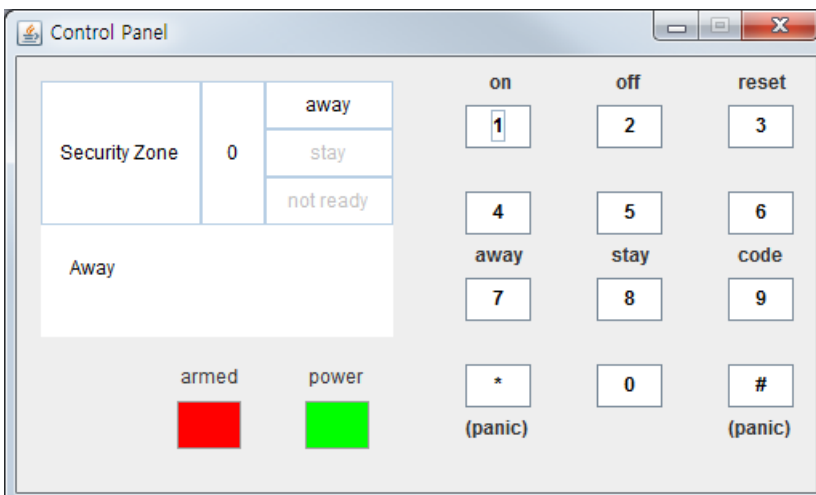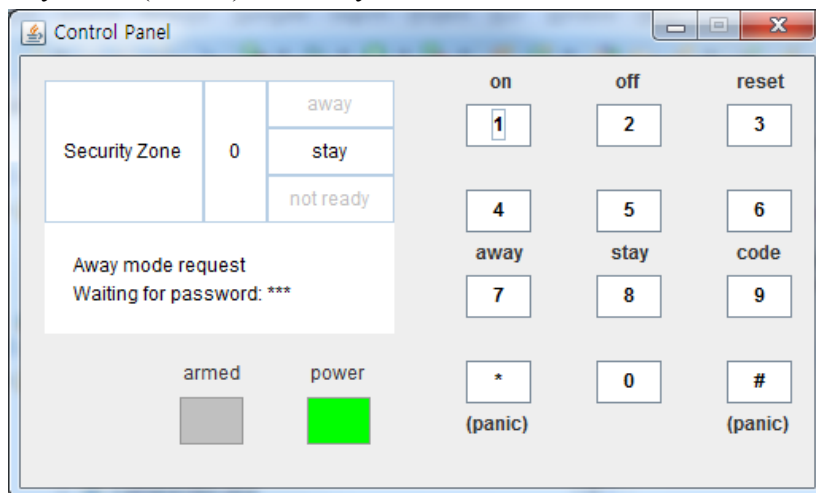- User can boot up system by click boot-up button(Num 1)

I.2. Shutdown

- User can shutdown system by click shutdown button(Num 2) then System ask Password4(digit), if user input right password, System will be shutdown
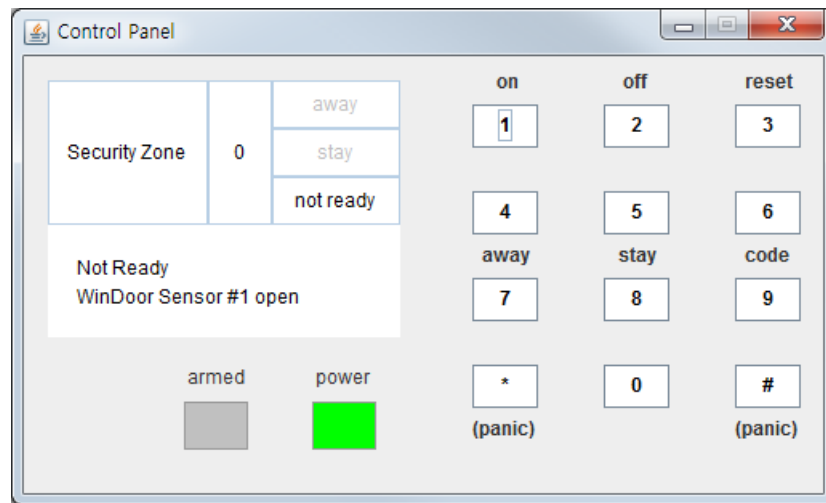
I.3. Arm System (Stay → Away)

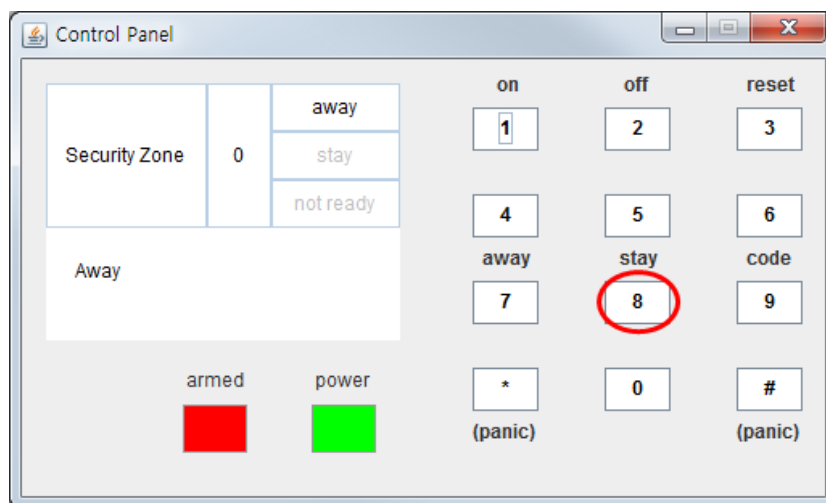
- Click Away button(Num 7) when stay mode.

- System ask password(4digit) if user input right password, System will be armed.
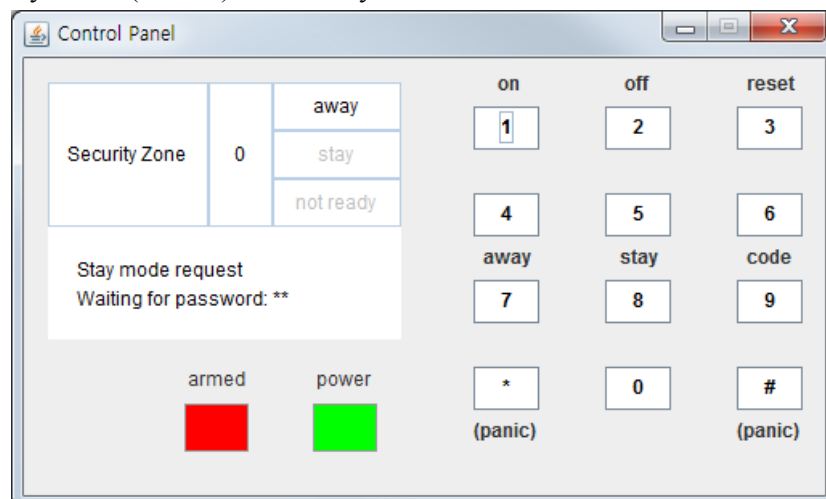
※ If there is any detected sensor before the status of home to be away, it cancels and display not ready. It displays information about sensor that has detected.
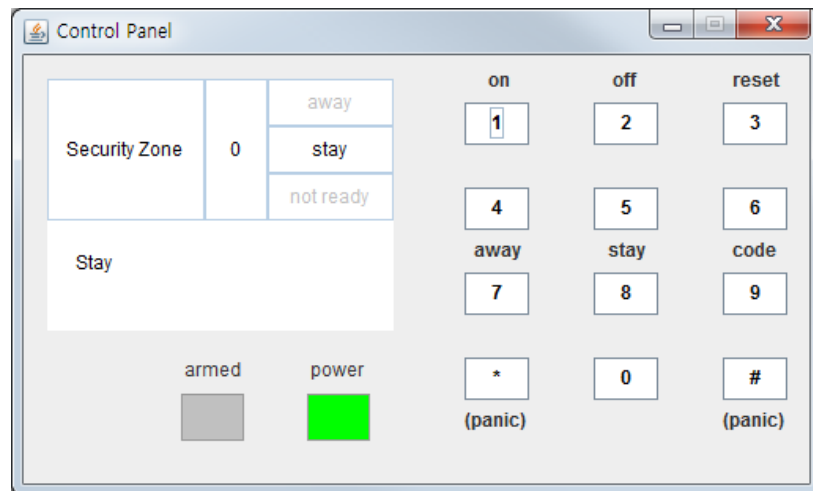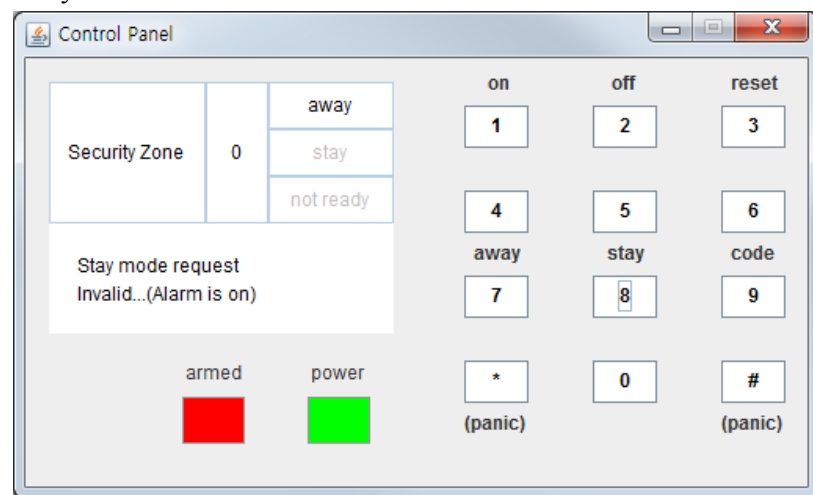
I.4. Disarm System (Away → Stay)

● Click Stay button(Num 8) when away mode.

● Enter password.

● Gets into stay mode.

※ If there is alarm, system can't be in stay mode. Stay mode request is invalid in this case.
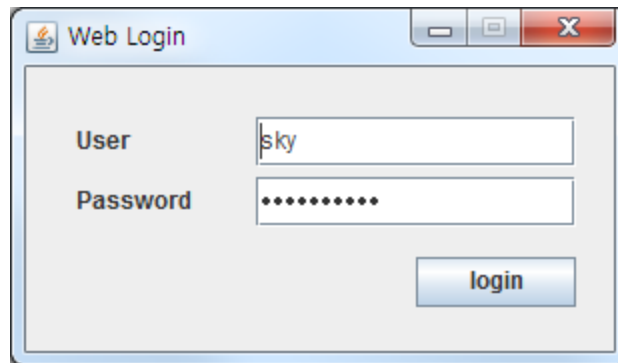
I.5. Reset Alarm
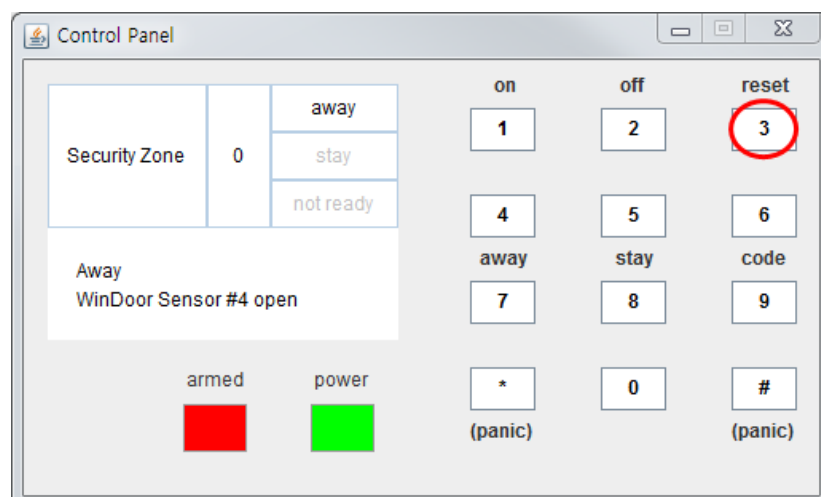
● By click on reset button (button 3), user can **turn off the alarm sound**. But the alarm system still detects alarm.
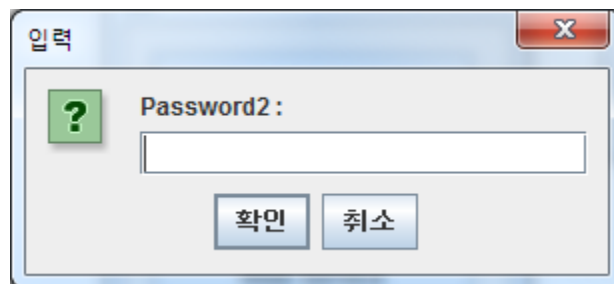
Part II. Web Interface

II.1. Login

- If user click Web Service, then System ask user 'user ID' & 'Password'. (Initial web interface user ID & Password: sky & helloworld)

II.2. Second Password

- User input right user ID & Password, System ask Second Password. (Initial web second password: 1379)

II.3. Floorplan

- MenuBar
- System condition (Rectangular box in bottom left)
  - Power: color gray means System off, color green means System Bootted up
  - Armed: color gray means Stay mode(disarmed), color red means Away mode(arm)
- Windoor sensor button ( )
  Windoor sensor control by click Windoor sensor icon, click has defferent function when Arm/Disarm
  - Armed
    - User can Arm or Disarm Windoor sensor by click
  - Disarmed
    - User can select use or not use each Windoor sensor by click
      if user select not use, when System be Away mode(Arm), sensor that user select not use will not enable
- Motion detector button ( )
  Motion detector control by click Motion detector icon, click has defferent function when Arm/Disarm
  this is have same fuction with Windoor sensor
  - Armed

- ■ User can Arm or Disarm Motion detector by click
  - ○ Disarmed
    - ■ User can select use or not use each Motion detector by click
      if user select not use, when System be Away mode(Arm), sensor that user
   select not use will not enable
- ● Camera button ( )
  - ○ User can see view of camera by click
  - ○ Camera view
- ● Arm/Disarm
  - ○ Away button
    This is same fuction with Away button(Num 7) on Control Panel
    If user click Away button System will be armed
    If sensor detect somthing, user can not arm System
  - ○ Stay button
    This is same fuction with Stay button(Num 8) on Control Panel
    If user click Stay button System will be disarmed
    If sensor detect somthing, user can not disarm System
- ● Security Zone
  - ○ Zone → zone mode
    If user click the Zone button system go Security Zone mode
  - ○ Add → add new zone
    Add new zone
  - ○ Delete
    Delete already selected zone
    not the sequence Delete -> select Zone for delete
    right sequence for delete Security Zone is select Zone for delete -> Delete
  - ○ Finish
    End Security Zone mode
  - ○ Number Buttons 0~2(can be added or removed)
    Zone number user can select zone by click Number Buttons
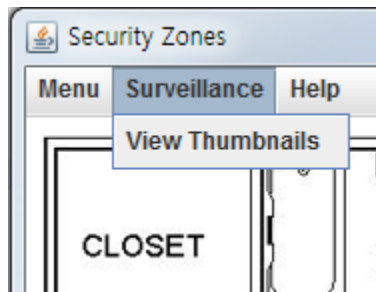
II.4. Menubar
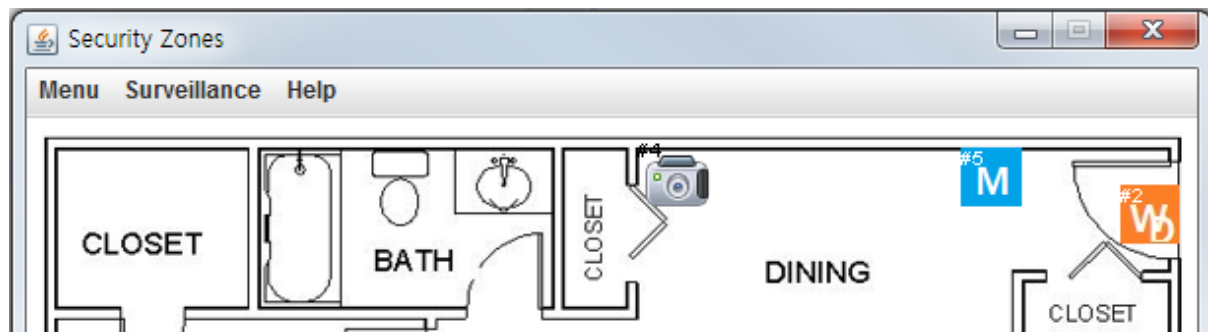
- ● Menubar contains: Menu, Surveillance, Help menus.
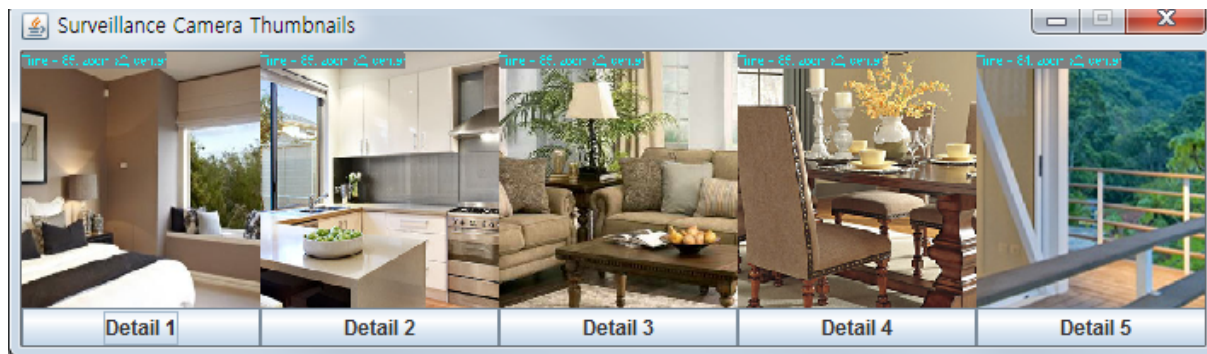
II.4.1. Menu - Turn off
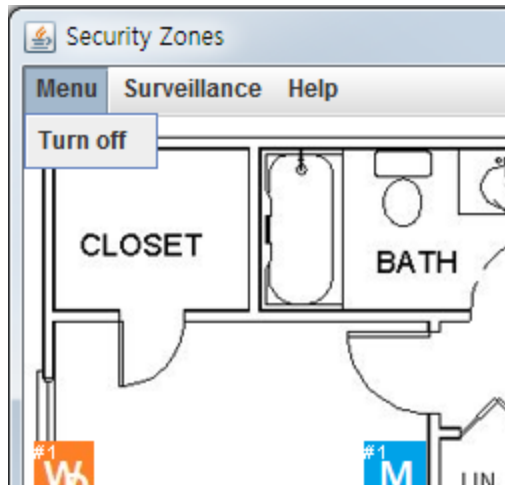
- Click on Turn off, it will **shutdown entire system.**

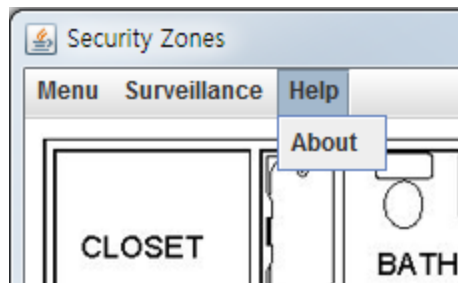## II.4.2. Surveillance - View Thumbnails

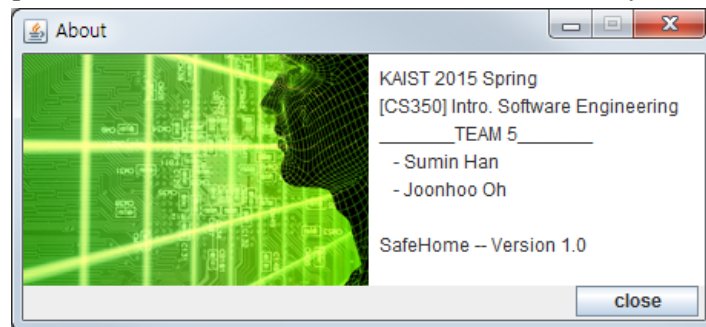- Click on View Thumbnails, it will show camera thumbnails for current views.

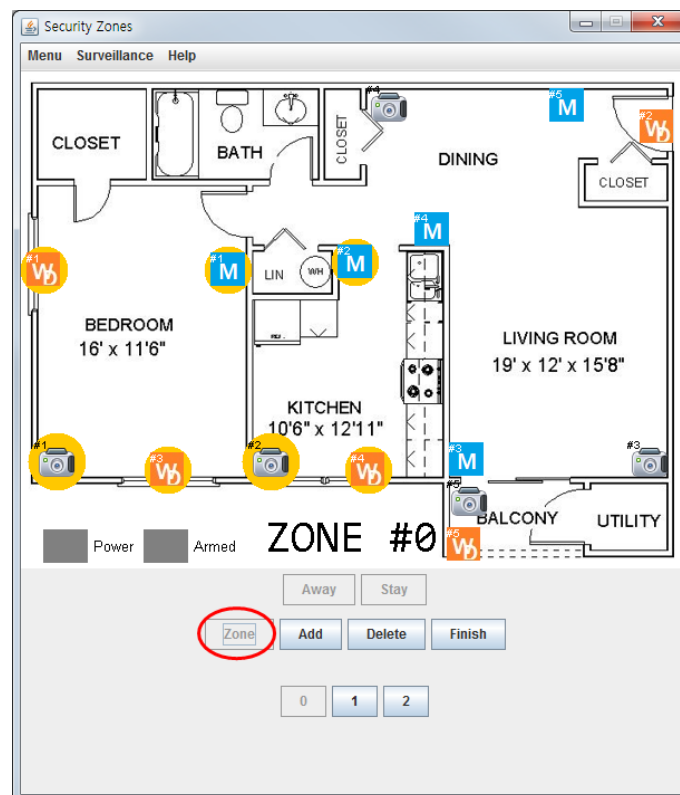- Thumbnail view. By click on Detail button, you can see camera test view.

II.4.3. Help - About

- Click on Help - About, it will show information for SafeHome system.

II.5. Zone Mode

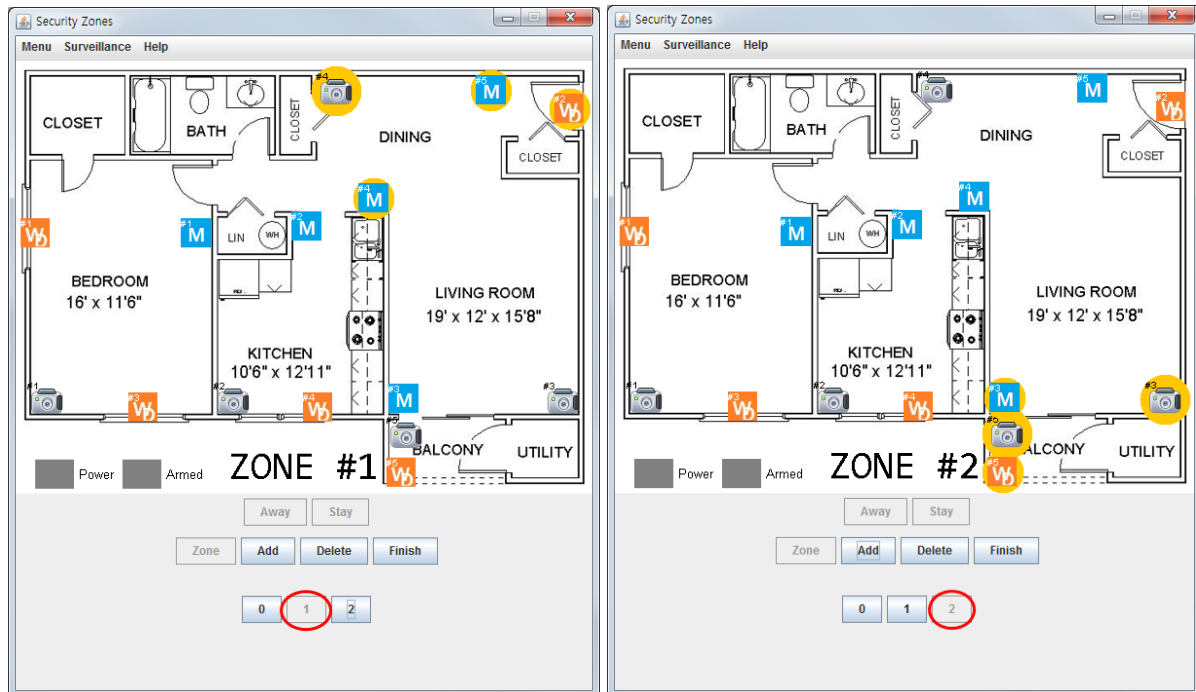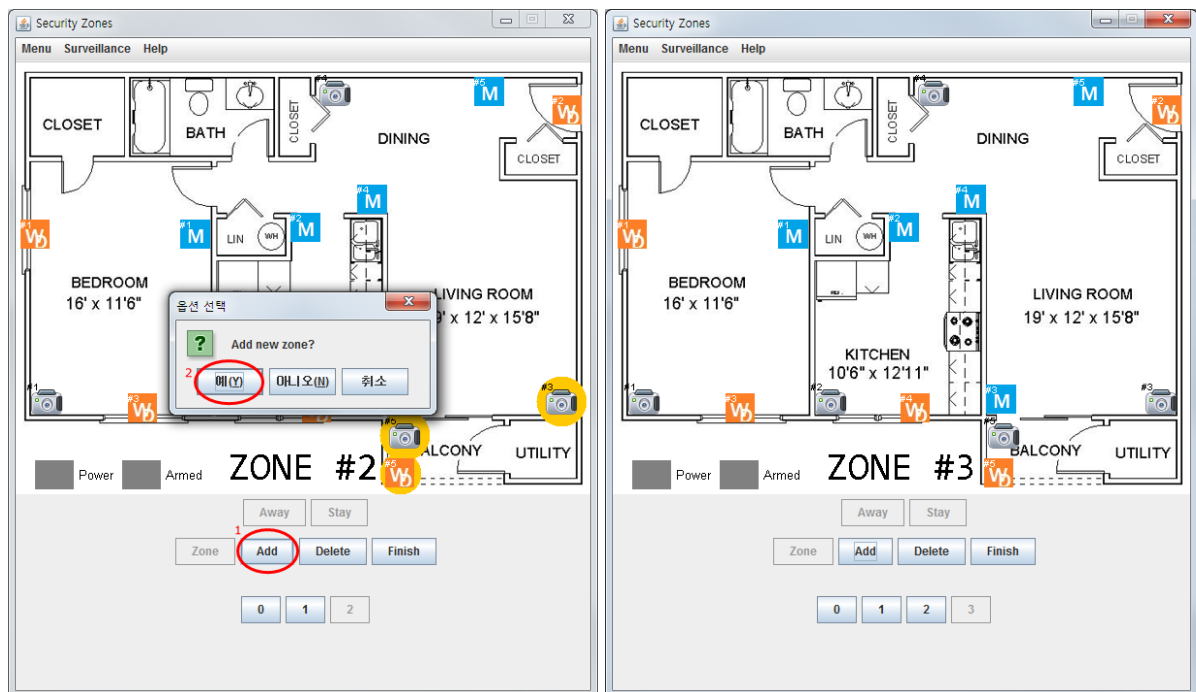- User can enter zone mode by click on Zone button. Orange circles denotes whether device is included in current zone displayed. Each device is included in only one zone.
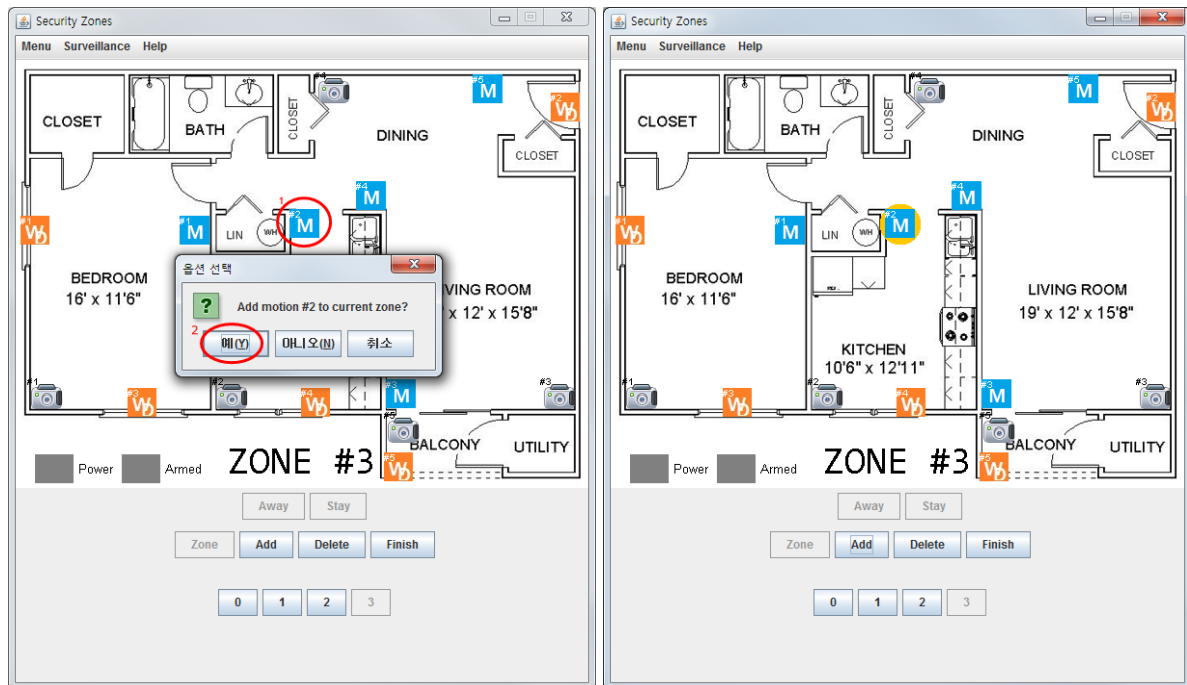
II.5.1. Change Current Zone Number

- By click on buttons with a number, user can change the currently displayed zone.

II.5.2. Add New Zone

- By click on add button(1) and yes button(2) from the confirm dialog, user can add new zone.

II.5.3. Add a Device to Current Zone

- By click on device icon(1) with no orange circle and yes button(2) from the confirm dialog, user can add specific device to be assigned to current zone.
- User can add devices(motion detectors, windoor sensors, and cameras) to currently displayed zone on the web interface.
- One device assinged only one Zone. If user assigned device already assigned other Zone, then device deleted in other Zone

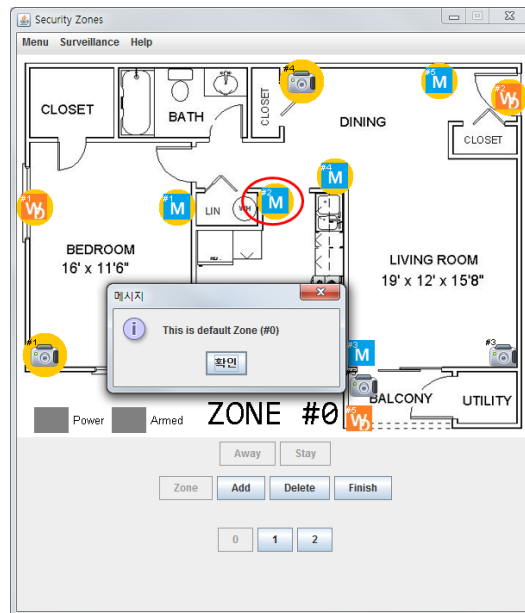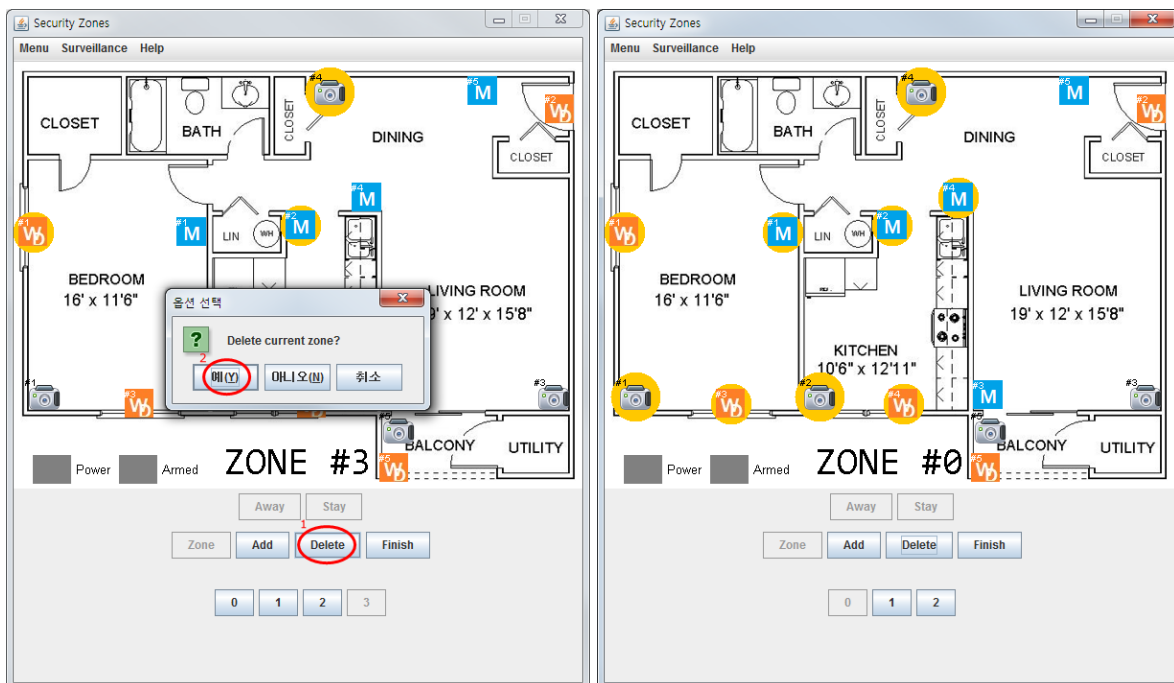## II.5.4. Remove a Device from Current Zone
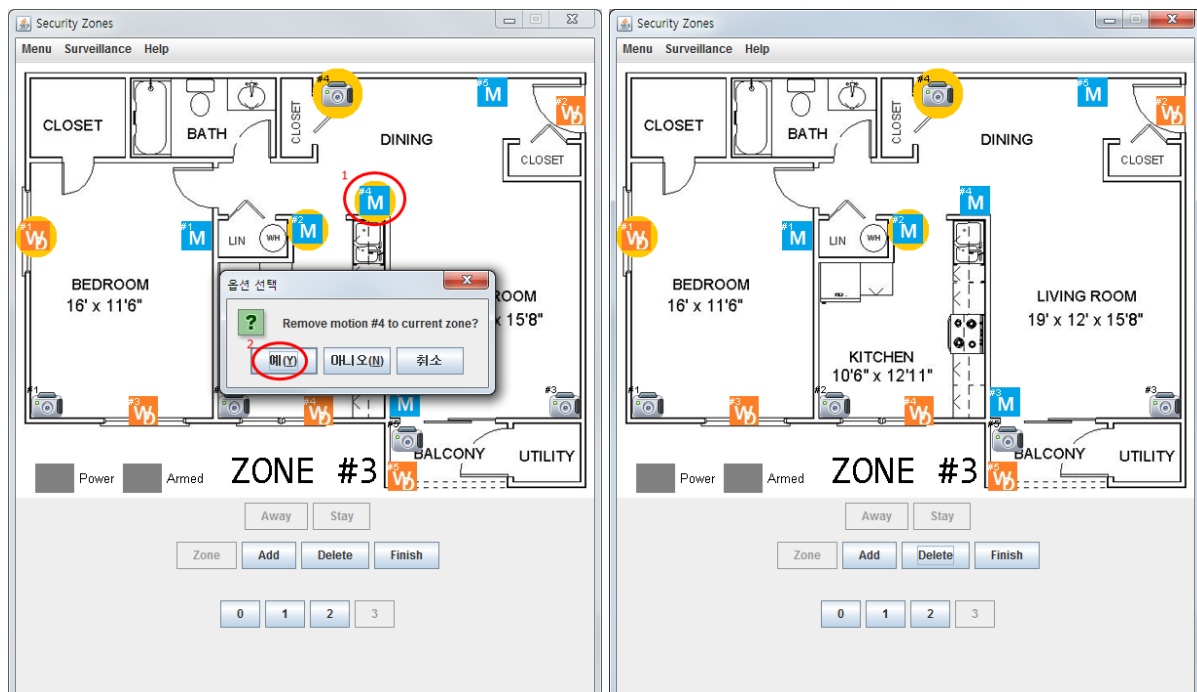
- By click on device icon(1) with orange circle and yes button(2) from the confirm dialog, user can remove specific device not to be assigned to current zone.
- Removed device then be assigned to default zone(#0)

- Devices in the default zone can not be removed.

II.5.5. Delete Zone

- If User delete zone, the devices assigned to deleted zone are assigned to default zone(#0)
- The number of zones are always sequential. If user remove zone #2 when there are zone #0~3, then devices assigned to zone#2 are now assigned to default zone(#0) and zone#3 change in to zone #2 with same devices assigned.

II.5.6. Finish Zone Mode
● Click on finish button will let user to return to the initial web screen.

## II.7. Set Use Status of Sensors
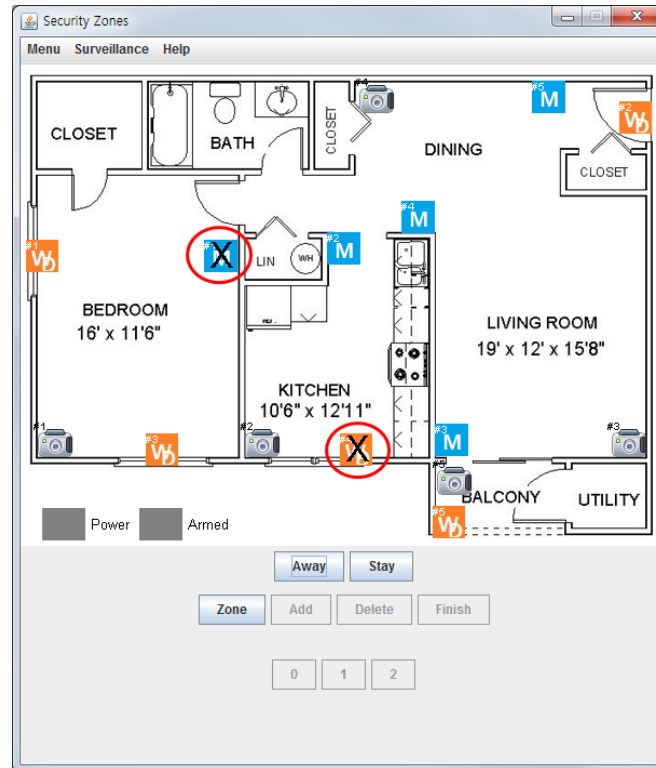
● User click sensor then clicked sensor marked X, marked sensors are not enable and System not read statuse of sensors when Away mode(Arm)
● This function implement for prepare when sensors occuring error or unfuntionalized so start System excluding sensors that has problem
● If click unmarked sensor then clicked sensor is marked
● If click marked sensor then clicked sensor is unmarked and change to useable
● User did not use this function when Away mode(Arm)
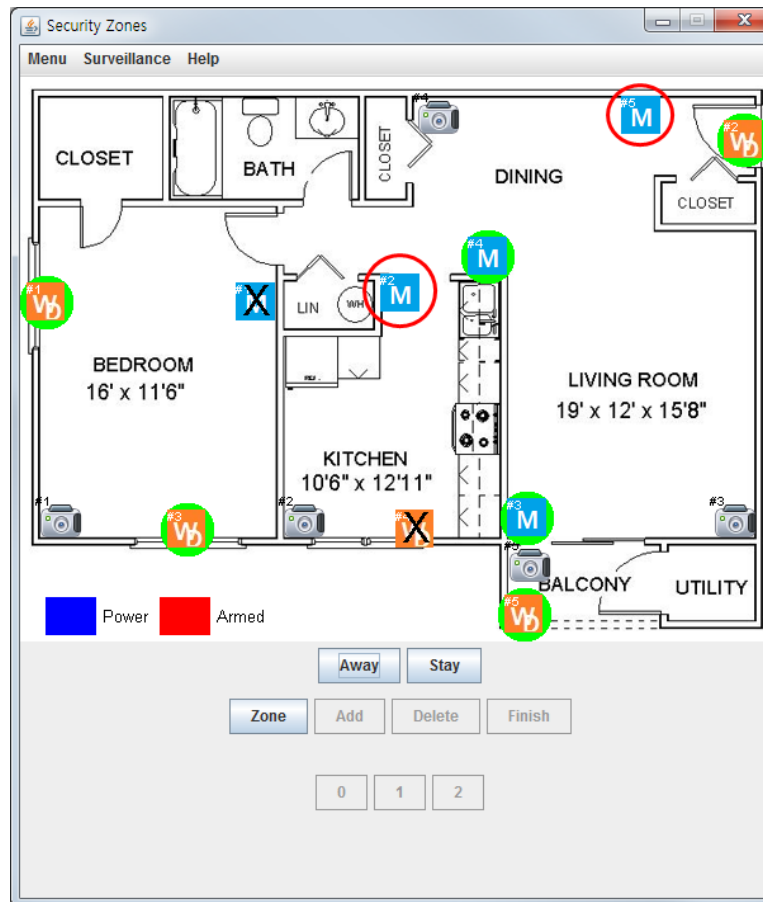
II.8. Stay (Disarmed)

- Powered on → initially stay mode(Disarmed)
- Click Stay button → Stay mode(Disarmed)
- If user change Stay mode while alarming, then in Control panel will display 'Not Ready'. click Reset Button(Num 3) then change to normal
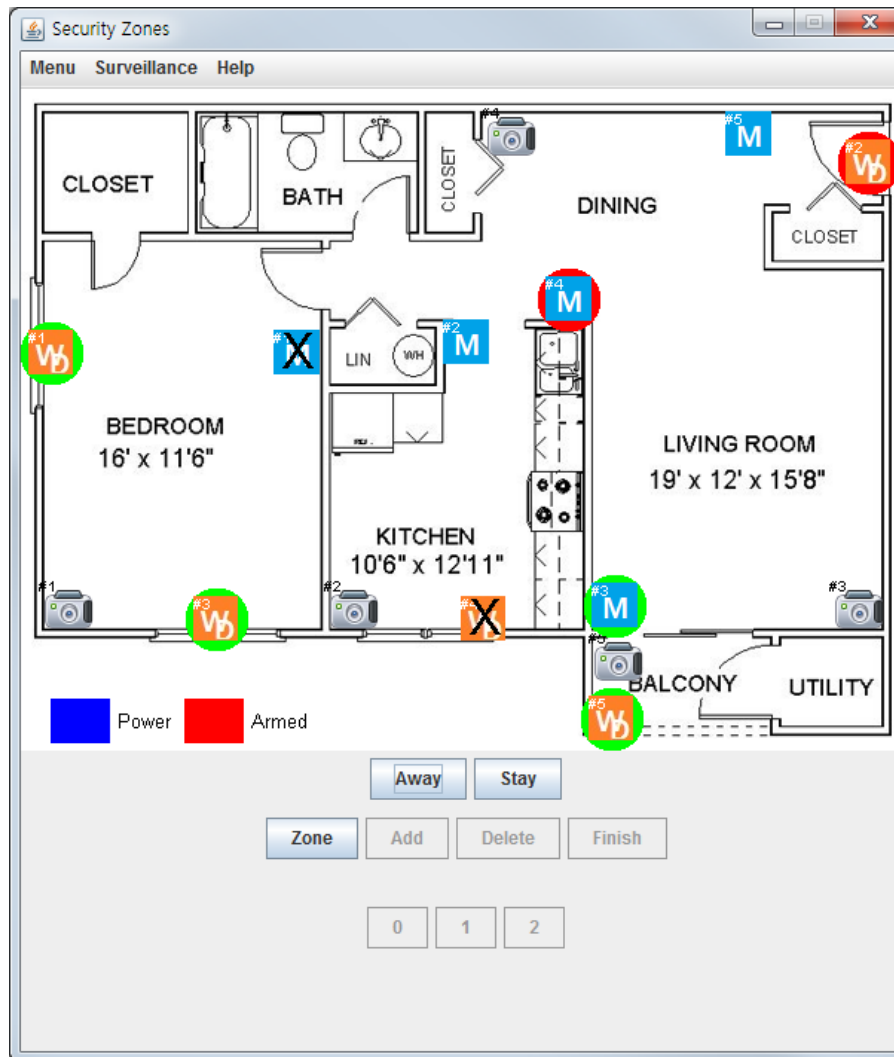
II.9. Away (Arm)
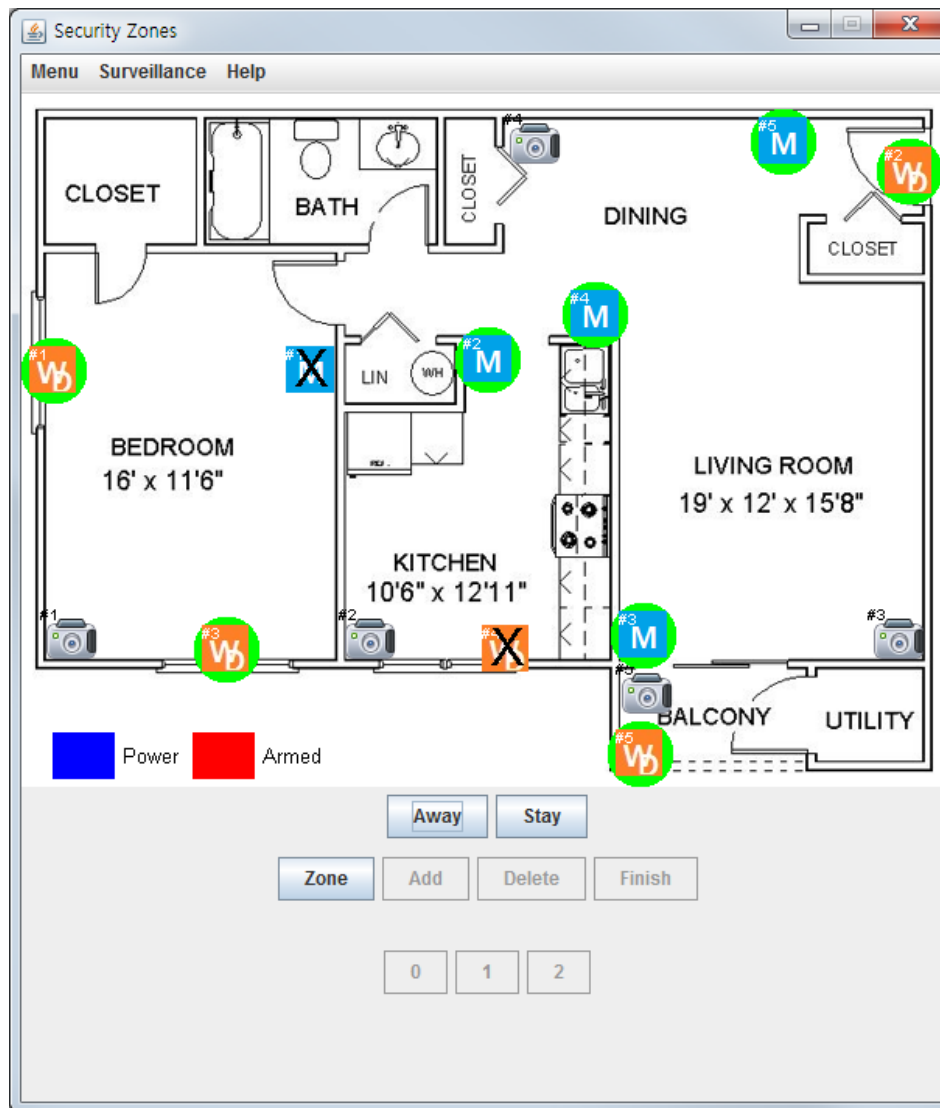
- Click Away button → Away mode(Arm)
- sensor detected something, then user can not change mode
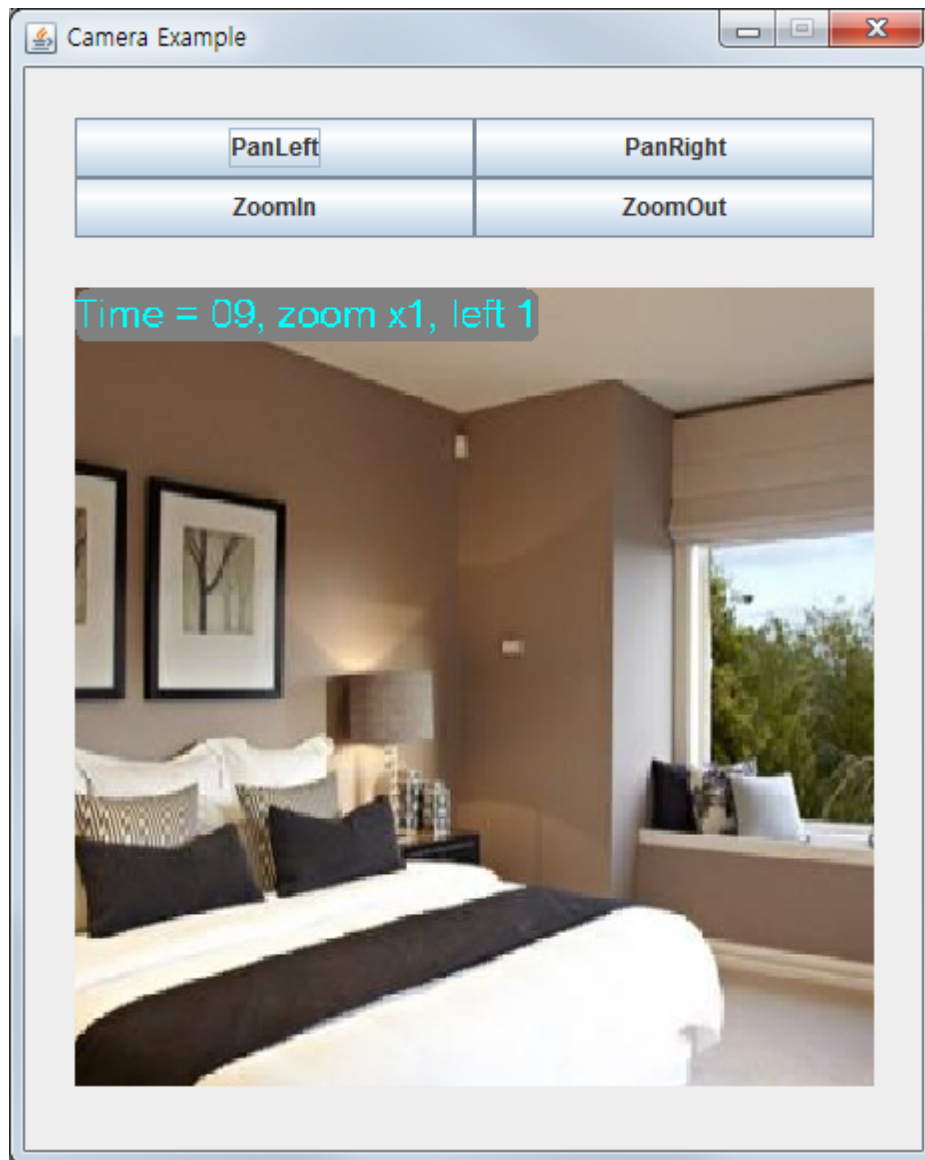
II.9.1. Arm/Disarm Devices

- By click on sensor buttons, user can arm/disarm each devices.
- Armed devices are displayed with green circles, and disarmed devices are displayed with no circles.

II.9.2. Alarm Blinking

- When sensors detected signals, red circles behind them are blinking.
- Alarm sound is played.

II.10. Camera View

- PanLeft - pan left (max 5 times from center)
- PanRight - pan right (max 5 times)
- ZoomIn - zoomin (max to x9)
- ZoomOut - zoomout (min to x1)