

Multi-Module Security: Wizard of Oz

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Recap: What's Our Project?

- IoT security monitoring system
- 3 Main Components
 - Multiple Modules (Joe)
 - Server (Josh)
 - User Client (Stephen)

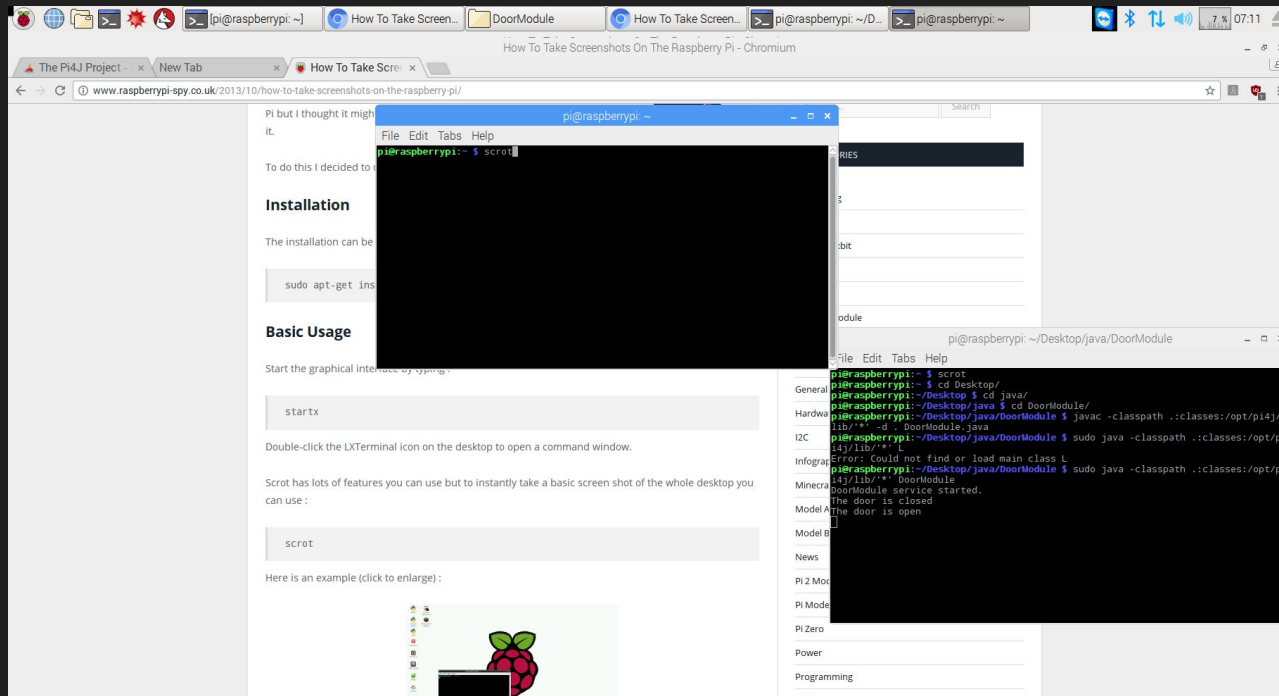
Module Demo

Raspberry Pi 3 B

Pi4J Project Library

Door sensor is a

Simple reed switch



Server Demo

listModules

List modules in the list.

```
[{"isBeingListened":false,"mainServerID":"123.456.789:8080","name":"front door sensor","parameterData":[0],"id":"12345abcde","type":"sensormodule"}]
```

addModule

Add a module to the list.

```
{"success":true,"message":"Successfully added s0m3m0dul3"}
```

editModule

Edit a module in the list.

```
{"success":true,"message":"Successfully changed s0m3m0dul3"}
```

listSensors

List modules of type "sensormodule" in the list.

```
[{"isBeingListened":false,"mainServerID":"123.456.789:8080","name":"front door sensor","parameterData":[0],"id":"12345abcde","type":"sensormodule"}]
```

removeModule

Remove a module from the list.

```
{"success":true,"message":"Successfully removed s0m3m0dul3"}
```

listUsers

List all the users in the list.

```
[{"isBeingListened":false,"name":"john doe","id":"12345abcde","type":"guardian","logs":["log 1"],"notifications":["note 1"]}]
```

addUser

Add a user to the list.

```
{"success":true,"message":"Successfully added s0m3us3r"}
```

editUser

Edit a user in the list.

```
{"success":true,"message":"Successfully changed s0m3us3r"}
```

listGuardians

List all users of type "guardian" in the list.

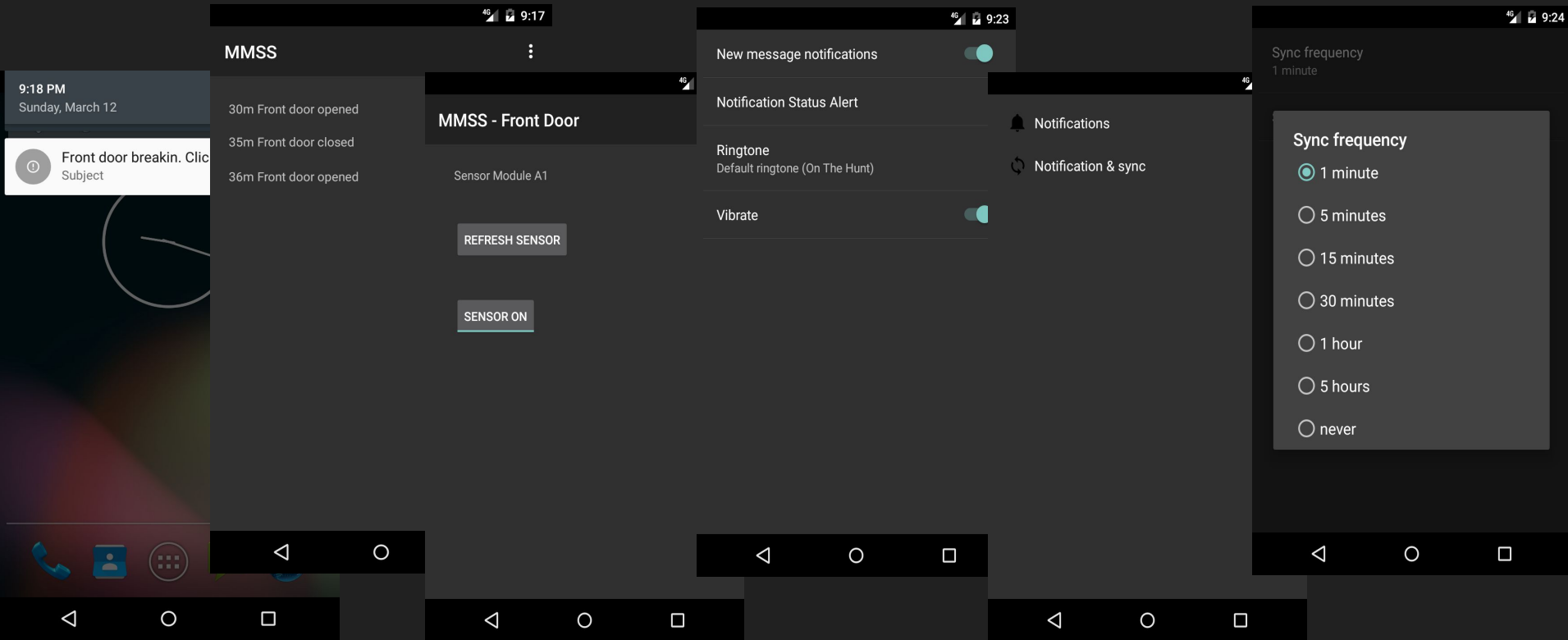
```
[{"isBeingListened":false,"name":"john doe","id":"12345abcde","type":"guardian","logs":["log 1"],"notifications":["note 1"]}]
```

removeUser

Remove a user from the list.

```
{"success":true,"message":"Successfully removed s0m3us3r"}
```

Application Demo



Any Questions?