SafeHome Final Report

TEAM5 (Sumin Han, Joonhoo Oh)

Index.

1. Report the modules you have developed in pair programming and the time spent together for pair programming.

2. Report the modules each of you have developed individually and the time spent for developing such modules

Packages	#	Classes	Pair Programming	Individual Programming	
				Sumin Han	Joonhoo Oh
safehome	1	Alarm		4	2
	2	CameraTest			
	3	CameraView			
	4	ControlSoftware	5	5	5
	5	MainDemo		1	
	6	MainDemoApp			
	7	SensorControl		1	1
safehome.device	1	interfaceCamera			
	2	interfaceSensor			
	3	DeviceCamera			
	4	DeviceControlPanelAbstract			
	5	DeviceMotionDetector			
	6	DeviceSensorTester			
	7	DeviceWinDoorSensor			
safehome.web	1	AboutView		1	
	2	DeviceUnit		0.5	
	3	FloorPlan		15	
	4	Login		1	
	5	SecurityZone		0.5	
	6	Surveillance		1	
	7	User		0.1	
	8	WebMainView		2	
	9	WebService		0.5	
safehome.test	1	MainDemoTest		20	

*Gray lines indicate they are same or almost similar to the initial demo.

3. Report the statistics on the size and complexity of your code

Counter	Coverage	Covered	Missed	Total
Instructions	98.5 %	6,524	96	6,620
Branches	93.2 %	437	32	469
Lines	97.8 %	1,505	34	1,539
Methods	95.9 %	163	7	170
Types	100.0 %	31	0	31
Complexity	90.4 %	368	39	407

Coverage — Session: MainDemoApp (2015. 6. 7 오전 3:11:21)

LOC(Lines Of Code): 1,539
# of files: 23
# of branches: 437
# of classes: 24
# of methods: 170
cyclometic complexities of methods: 368

4. Test cases (both unit testing using JUnit and integration testing) and results (coverage as well)

- You have to clearly show the traceability of your test cases (i.e., describe based on which elements of SRS, analysis model, and design model you designed test cases including test input values and assertion)
- Your test results must be able to be reproduced by TAs

4.A. Execution Order

TestAction	Execution	CP (SD-1)	WEB (SD-2)	UC	FC	SqD
1	CP, Web Service execute	v				
2	Web Service pass wrong		v	-3-1	-4	-3
3	Web Service pass2 wrong		v	-3-1	-4	-3
4	Web Service Login		v	-3-1	-4	-3
5	Serveillance -> Thumbnail		v	-7-1	-13	
6	Camera Detail		v	-7-2	-13	
7	PanLeft 7 times		v	-7-3	-13	-13
8	PanRight 12 times		v	-7-3	-13	-13
9	ZoomIn 10 times		v	-7-3	-13	-13
10	ZoomOut 10 times		v	-7-3	-13	-13
11	Help -> About -> close		v			
12	Away (must be turned on)		v	-4-1	-5	-4
13	Stay (must be turned on)		v	-4-2	-6	-5

14	Camer click		v	-7-2	-13	
15	Wd1 click		v	-2-1	-3	-11
16	Mo1 click		v	-2-1	-3	-11
17	Wd2 click click		v	-2-1	-3	-11
18	Mo2 click click		v	-2-1	-3	-11
19	Zone click		v	-2-3	-3	
20	zone#0, add mo5 with once cancel		v	-2-3	-3	
21	zone#0, add wd5 with once cancel		v	-2-3	-3	
22	zone#0, add cam5 with once cancel		v	-2-3	-3	
23	zone#0, remove mo5, wd5, cam5 trial		v	-2-3	-3	
24	Zone#1, 2, click		v	-2-3	-3	
25	Wd1 click		v	-2-3	-3	
26	Mo1 click		v	-2-3	-3	
27	Cam1 click		v	-2-3	-3	
28	Zone Add click with once cancel		v	-2-3	-3	
29	Mo3 click		v	-2-3	-3	
30	Cam3 click		v	-2-3	-3	
31	Wd5 click		v	-2-3	-3	
32	Mo3 click click		v	-2-3	-3	
33	Cam3 click click		v	-2-3	-3	
34	Wd5 click click		v	-2-3	-3	
35	Zone#2 click		v	-2-3	-3	
36	Zone Delete click with once cancel		v	-2-3	-3	
37	Zone Add...max		v	-2-3	-3	
38	Zone Del...max		v	-2-3	-3	
39	Finish click		v	-2-3	-3	
40	CP on	v		-1-1	-1	-1
41	away (one cancel + ok)		v	-4-3	-7	-6
42	away (already)		v	-4-3	-7	-6
43	stay (one cancel + ok)		v	-4-4	-8	-7
44	stay (already)		v	-4-4	-8	-7
45	CP off	v		-1-2	-2	-2
46	CP on	v		-1-1	-1	-1
47	invalid click!!!	v				

48	Reset	v		-6-2		
49	CP off wrong (enter with password 2, 3, 7, 8)	v		-1-1	-2	-2
50	4, 5, 6, 9, #, 0, *, 8(Stay)	v				
51	Wd1, Mo2 sensor on	v				
52	Away trial	v		-4-1	-5	-4
53	Mo2 off	v				
54	Away succeed	v		-4-1	-5	-4
55	invalid click!!! (not alarm)	v				
56	Wd2 on	v				
57	Mo5, Wd2 disarm		v	-2-1	-3	-11
58	Mo5, Wd2 arm		v	-2-1	-3	-11
59	Wd2 close	v				
60	Wd4 disarm		v	-2-1	-3	-11
61	Wd4 open (nothing)	v				
62	stay timeout	v		-4-2	-6	-5
63	stay	v		-4-2	-6	-5
64	away fail	v		-4-1	-5	-4
65	~~invalid click!!!~~	~~v~~				
66	wd4 notuse		v	-2-2	-3	
67	away success	v		-4-1	-5	-4
68	mo3 detect	v		-6-2		
69	reset	v		-6-2		
70	reset again	v		-6-2		
71	1, 2, 3, 4, 5, 6, 7, 8, 9, *, 0, #	v				
72	mo3 disarm		v	-2-1	-3	-11
73	stay	v		-4-2	-6	-5
74	off	v		-1-2	-2	-2
75	wd and mo sensor --> no input	v				
76	wd and mo sensor --> no number	v				
77	wd and mo sensor --> over number	v				
78	securityzone turn off		v			

4.B.1. JUnit Testing Result

1.Overall Coverage

Coverage

Session: MainDemoTest (1) (2015. 6. 7 오후 10:06:09)

Counter	Coverage	Covered	Missed	Total
Instructions	95.5 %	8,922	420	9,342
Branches	83.7 %	406	79	485
Lines	94.3 %	1,947	118	2,065
Methods	94.0 %	173	11	184
Types	97.0 %	32	1	33
Complexity	80.7 %	352	84	436

2. Instruction Counters (95.5%)

MainDemoTest (1) (2015. 6. 7 오후 10:06:09)

Element	Coverage	Covered Instructions	Missed Instructions	Total Instructions
safehome	95.5 %	8,922	420	9,342
src	95.5 %	8,922	420	9,342
safehome.web	97.8 %	2,527	57	2,584
AboutView.java	100.0 %	128	0	128
DeviceUnit.java	100.0 %	41	0	41
Login.java	100.0 %	175	0	175
SecurityZone.java	100.0 %	252	0	252
User.java	100.0 %	35	0	35
WebService.java	100.0 %	79	0	79
Surveillance.java	96.2 %	153	6	159
WebMainView.java	98.1 %	566	11	577
FloorPlan.java	96.5 %	1,098	40	1,138
safehome.device	96.4 %	1,979	74	2,053
DeviceControlPanelAbstract.java	100.0 %	1,059	0	1,059
DeviceSensorTester.java	100.0 %	8	0	8
DeviceWinDoorSensor.java	100.0 %	70	0	70
DeviceMotionDetector.java	90.0 %	63	7	70
SafeHomeSensorTest.java	94.7 %	428	24	452
DeviceCamera.java	89.1 %	351	43	394
safehome.ztest	96.8 %	2,639	88	2,727
MainDemoTest.java	96.8 %	2,639	88	2,727
safehome	89.8 %	1,777	201	1,978
CameraTest.java	100.0 %	175	0	175
CameraView.java	98.1 %	52	1	53
MainDemo.java	98.0 %	145	3	148
MainDemoApp.java	0.0 %	0	11	11
SensorControl.java	91.6 %	152	14	166
SensorTest.java	94.8 %	383	21	404
ControlSoftware.java	93.4 %	633	45	678
Alarm.java	69.1 %	237	106	343

3. Branch Counters (83.7%)

Element	Coverage	Covered Branches	Missed Branches	Total Branches
safehome	83.7 %	406	79	485
src	83.7 %	406	79	485
safehome.device	89.1 %	82	10	92
DeviceSensorTester.java		0	0	0
DeviceWinDoorSensor.java	100.0 %	4	0	4
DeviceControlPanelAbstract.java	97.1 %	33	1	34
DeviceMotionDetector.java	75.0 %	3	1	4
DeviceCamera.java	77.8 %	14	4	18
SafeHomeSensorTest.java	87.5 %	28	4	32
safehome.ztest	33.3 %	6	12	18
MainDemoTest.java	33.3 %	6	12	18
safehome	82.8 %	130	27	157
CameraView.java		0	0	0
MainDemoApp.java		0	0	0
SensorControl.java	100.0 %	14	0	14
CameraTest.java	87.5 %	7	1	8
MainDemo.java	75.0 %	3	1	4
SensorTest.java	95.0 %	19	1	20
ControlSoftware.java	85.7 %	66	11	77
Alarm.java	61.8 %	21	13	34
safehome.web	86.2 %	188	30	218
DeviceUnit.java		0	0	0
Surveillance.java	100.0 %	10	0	10
User.java	100.0 %	6	0	6
WebService.java	100.0 %	6	0	6
AboutView.java	50.0 %	1	1	2
Login.java	75.0 %	3	1	4
SecurityZone.java	90.0 %	9	1	10
WebMainView.java	86.4 %	38	6	44
FloorPlan.java	84.6 %	115	21	136

MainDemoTest (1) (2015. 6. 7 오후 10:06:09)

4. Line Counters (94.3%)

Problems @ Javadoc Declaration Console Coverage ⌧				
MainDemoTest (1) (2015. 6. 7 오후 10:06:09)				
Element	Coverage	Covered Lines	Missed Lines	Total Lines
▲ 📂 safehome	94.3 %	1,947	118	2,065
▲ 📁 src	94.3 %	1,947	118	2,065
▲ ⊞ safehome.device	96.3 %	441	17	458
▷ DeviceControlPanelAbstract.java	100.0 %	235	0	235
▷ DeviceSensorTester.java	100.0 %	3	0	3
▷ DeviceWinDoorSensor.java	100.0 %	18	0	18
▷ DeviceMotionDetector.java	88.9 %	16	2	18
▷ SafeHomeSensorTest.java	96.2 %	101	4	105
▷ DeviceCamera.java	86.1 %	68	11	79
▲ ⊞ safehome.web	96.6 %	542	19	561
▷ AboutView.java	100.0 %	29	0	29
▷ DeviceUnit.java	100.0 %	16	0	16
▷ Login.java	100.0 %	38	0	38
▷ SecurityZone.java	100.0 %	32	0	32
▷ User.java	100.0 %	11	0	11
▷ WebService.java	100.0 %	20	0	20
▷ Surveillance.java	96.4 %	27	1	28
▷ WebMainView.java	96.2 %	154	6	160
▷ FloorPlan.java	94.7 %	215	12	227
▲ ⊞ safehome.ztest	94.6 %	492	28	520
▷ MainDemoTest.java	94.6 %	492	28	520
▲ ⊞ safehome	89.7 %	472	54	526
▷ CameraTest.java	100.0 %	41	0	41
▷ CameraView.java	94.4 %	17	1	18
▷ MainDemo.java	94.6 %	35	2	37
▷ MainDemoApp.java	0.0 %	0	4	4
▷ SensorTest.java	93.3 %	70	5	75
▷ SensorControl.java	85.0 %	34	6	40
▷ ControlSoftware.java	92.6 %	213	17	230
▷ Alarm.java	76.5 %	62	19	81

5. Method Counters (94.0%)

Element	Coverage	Covered Methods	Missed Methods	Total Methods
▲ 📂 safehome	94.0 %	173	11	184
▲ 📁 src	94.0 %	173	11	184
▲ ⊞ safehome.ztest	100.0 %	13	0	13
▷ 🗋 MainDemoTest.java	100.0 %	13	0	13
▲ ⊞ safehome.device	97.5 %	39	1	40
▷ 🗋 DeviceControlPanelAbstract.java	100.0 %	10	0	10
▷ 🗋 DeviceMotionDetector.java	100.0 %	8	0	8
▷ 🗋 DeviceSensorTester.java	100.0 %	2	0	2
▷ 🗋 DeviceWinDoorSensor.java	100.0 %	8	0	8
▷ 🗋 SafeHomeSensorTest.java	100.0 %	2	0	2
▷ 🗋 DeviceCamera.java	90.0 %	9	1	10
▲ ⊞ safehome.web	94.8 %	55	3	58
▷ 🗋 AboutView.java	100.0 %	2	0	2
▷ 🗋 DeviceUnit.java	100.0 %	7	0	7
▷ 🗋 Login.java	100.0 %	2	0	2
▷ 🗋 SecurityZone.java	100.0 %	6	0	6
▷ 🗋 User.java	100.0 %	3	0	3
▷ 🗋 WebService.java	100.0 %	4	0	4
▷ 🗋 FloorPlan.java	93.8 %	15	1	16
▷ 🗋 Surveillance.java	66.7 %	2	1	3
▷ 🗋 WebMainView.java	93.3 %	14	1	15
▲ ⊞ safehome	90.4 %	66	7	73
▷ 🗋 CameraTest.java	100.0 %	2	0	2
▷ 🗋 CameraView.java	100.0 %	3	0	3
▷ 🗋 ControlSoftware.java	100.0 %	33	0	33
▷ 🗋 Alarm.java	90.9 %	10	1	11
▷ 🗋 MainDemo.java	75.0 %	3	1	4
▷ 🗋 SensorTest.java	66.7 %	2	1	3
▷ 🗋 MainDemoApp.java	0.0 %	0	2	2
▷ 🗋 SensorControl.java	86.7 %	13	2	15

6. Type Counters (97.0%)

Element	Coverage	Covered Types	Missed Types	Total Types
▲ 📂 safehome	97.0 %	32	1	33
▲ 📁 src	97.0 %	32	1	33
▲ ⊞ safehome.device	100.0 %	6	0	6
▷ 🗋 DeviceCamera.java	100.0 %	1	0	1
▷ 🗋 DeviceControlPanelAbstract.java	100.0 %	1	0	1
▷ 🗋 DeviceMotionDetector.java	100.0 %	1	0	1
▷ 🗋 DeviceSensorTester.java	100.0 %	1	0	1
▷ 🗋 DeviceWinDoorSensor.java	100.0 %	1	0	1
▷ 🗋 SafeHomeSensorTest.java	100.0 %	1	0	1
▲ ⊞ safehome.web	100.0 %	14	0	14
▷ 🗋 AboutView.java	100.0 %	1	0	1
▷ 🗋 DeviceUnit.java	100.0 %	1	0	1
▷ 🗋 FloorPlan.java	100.0 %	3	0	3
▷ 🗋 Login.java	100.0 %	1	0	1
▷ 🗋 SecurityZone.java	100.0 %	1	0	1
▷ 🗋 Surveillance.java	100.0 %	1	0	1
▷ 🗋 User.java	100.0 %	1	0	1
▷ 🗋 WebMainView.java	100.0 %	4	0	4
▷ 🗋 WebService.java	100.0 %	1	0	1
▲ ⊞ safehome.ztest	100.0 %	2	0	2
▷ 🗋 MainDemoTest.java	100.0 %	2	0	2
▲ ⊞ safehome	90.9 %	10	1	11
▷ 🗋 Alarm.java	100.0 %	1	0	1
▷ 🗋 CameraTest.java	100.0 %	1	0	1
▷ 🗋 CameraView.java	100.0 %	1	0	1
▷ 🗋 ControlSoftware.java	100.0 %	3	0	3
▷ 🗋 MainDemo.java	100.0 %	2	0	2
▷ 🗋 SensorControl.java	100.0 %	1	0	1
▷ 🗋 SensorTest.java	100.0 %	1	0	1
▷ 🗋 MainDemoApp.java	0.0 %	0	1	1

7. Cyclometic Complexity Counters (80.7%)

Element	Coverage		Covered Complexity	Missed Complexity	Total Complexity
▲ 🗁 safehome		80.7 %	352	84	436
▲ 🗁 src		80.7 %	352	84	436
▲ ⊞ safehome.device		87.2 %	75	11	86
▷ 🗋 DeviceSensorTester.java		100.0 %	2	0	2
▷ 🗋 DeviceWinDoorSensor.java		100.0 %	10	0	10
▷ 🗋 DeviceControlPanelAbstract.java		96.3 %	26	1	27
▷ 🗋 DeviceMotionDetector.java		90.0 %	9	1	10
▷ 🗋 SafeHomeSensorTest.java		77.8 %	14	4	18
▷ 🗋 DeviceCamera.java		73.7 %	14	5	19
▲ ⊞ safehome.ztest		58.6 %	17	12	29
▷ 🗋 MainDemoTest.java		58.6 %	17	12	29
▲ ⊞ safehome		81.2 %	125	29	154
▷ 🗋 CameraView.java		100.0 %	3	0	3
▷ 🗋 CameraTest.java		83.3 %	5	1	6
▷ 🗋 MainDemo.java		66.7 %	4	2	6
▷ 🗋 MainDemoApp.java		0.0 %	0	2	2
▷ 🗋 SensorControl.java		90.9 %	20	2	22
▷ 🗋 SensorTest.java		84.6 %	11	2	13
▷ 🗋 Alarm.java		64.3 %	18	10	28
▷ 🗋 ControlSoftware.java		86.5 %	64	10	74
▲ ⊞ safehome.web		80.8 %	135	32	167
▷ 🗋 DeviceUnit.java		100.0 %	7	0	7
▷ 🗋 User.java		100.0 %	6	0	6
▷ 🗋 WebService.java		100.0 %	7	0	7
▷ 🗋 AboutView.java		66.7 %	2	1	3
▷ 🗋 Login.java		75.0 %	3	1	4
▷ 🗋 SecurityZone.java		90.9 %	10	1	11
▷ 🗋 Surveillance.java		87.5 %	7	1	8
▷ 🗋 WebMainView.java		81.1 %	30	7	37
▷ 🗋 FloorPlan.java		75.0 %	63	21	84

4.B.2. Integration Testing Result

1. Overall Coverage

Coverage

Session: MainDemoApp (2015. 6. 7 오전 3:11:21)

Counter	Coverage		Covered	Missed	Total
Instructions		98.5 %	6,524	96	6,620
Branches		93.2 %	437	32	469
Lines		97.8 %	1,505	34	1,539
Methods		95.9 %	163	7	170
Types		100.0 %	31	0	31
Complexity		90.4 %	368	39	407

2. Instruction Counters (98.5%)

Element	Coverage	Covered Instructions	Missed Instructions	Total Instructions
▲ 📁 safehome	▬▬▬ 98.5 %	6,524	96	6,620
▲ 📂 src	▬▬▬ 98.5 %	6,524	96	6,620
▲ ⊞ safehome.web	▬▬▬ 99.5 %	2,575	12	2,587
▷ 🔲 AboutView.java	▮ 100.0 %	128	0	128
▷ 🔲 DeviceUnit.java	▮ 100.0 %	41	0	41
▷ 🔲 Login.java	▬ 100.0 %	178	0	178
▷ 🔲 SecurityZone.java	▬ 100.0 %	252	0	252
▷ 🔲 Surveillance.java	▬ 100.0 %	159	0	159
▷ 🔲 User.java	▮ 100.0 %	35	0	35
▷ 🔲 WebService.java	▮ 100.0 %	79	0	79
▷ 🔲 FloorPlan.java	▬▬▬ 99.9 %	1,137	1	1,138
▷ 🔲 WebMainView.java	▬▬ 98.1 %	566	11	577
▲ ⊞ safehome	▬▬ 98.2 %	1,941	36	1,977
▷ 🔲 CameraTest.java	▬ 100.0 %	175	0	175
▷ 🔲 CameraView.java	▮ 98.1 %	52	1	53
▷ 🔲 SensorTest.java	▬▬ 99.8 %	401	1	402
▷ 🔲 SensorControl.java	▬ 98.8 %	164	2	166
▷ 🔲 MainDemo.java	▬ 98.0 %	145	3	148
▷ 🔲 MainDemoApp.java	72.7 %	8	3	11
▷ 🔲 Alarm.java	▬▬ 98.3 %	353	6	359
▷ 🔲 ControlSoftware.java	▬▬▬ 97.0 %	643	20	663
▲ ⊞ safehome.device	▬▬▬ 97.7 %	2,008	48	2,056
▷ 🔲 DeviceControlPanelAbstract.java	▬▬▬ 100.0 %	1,059	0	1,059
▷ 🔲 DeviceSensorTester.java	▬▬ 100.0 %	463	0	463
▷ 🔲 DeviceWinDoorSensor.java	▮ 100.0 %	70	0	70
▷ 🔲 DeviceMotionDetector.java	▮ 90.0 %	63	7	70
▷ 🔲 DeviceCamera.java	▬▬ 89.6 %	353	41	394

3. Branch Counters (93.2%)

Element	Coverage	Covered Branches	Missed Branches	Total Branches
▲ 📁 safehome	93.2 %	437	32	469
▲ 🗁 src	93.2 %	437	32	469
▲ ⊞ safehome.device	95.7 %	88	4	92
▷ Ⓙ DeviceSensorTester.java	100.0 %	32	0	32
▷ Ⓙ DeviceWinDoorSensor.java	100.0 %	4	0	4
▷ Ⓙ DeviceControlPanelAbstract.java	97.1 %	33	1	34
▷ Ⓙ DeviceMotionDetector.java	75.0 %	3	1	4
▷ Ⓙ DeviceCamera.java	88.9 %	16	2	18
▲ ⊞ safehome.web	95.0 %	207	11	218
▷ Ⓙ DeviceUnit.java		0	0	0
▷ Ⓙ Surveillance.java	100.0 %	10	0	10
▷ Ⓙ User.java	100.0 %	6	0	6
▷ Ⓙ WebService.java	100.0 %	6	0	6
▷ Ⓙ AboutView.java	50.0 %	1	1	2
▷ Ⓙ Login.java	75.0 %	3	1	4
▷ Ⓙ SecurityZone.java	90.0 %	9	1	10
▷ Ⓙ WebMainView.java	95.5 %	42	2	44
▷ Ⓙ FloorPlan.java	95.6 %	130	6	136
▲ ⊞ safehome	89.3 %	142	17	159
▷ Ⓙ CameraView.java		0	0	0
▷ Ⓙ MainDemoApp.java		0	0	0
▷ Ⓙ SensorControl.java	100.0 %	14	0	14
▷ Ⓙ SensorTest.java	100.0 %	20	0	20
▷ Ⓙ CameraTest.java	87.5 %	7	1	8
▷ Ⓙ MainDemo.java	75.0 %	3	1	4
▷ Ⓙ Alarm.java	88.2 %	30	4	34
▷ Ⓙ ControlSoftware.java	86.1 %	68	11	79

4. Line Counters (97.8%)

Element	Coverage	Covered Lines	Missed Lines	Total Lines
▲ 📁 safehome	97.8 %	1,505	34	1,539
▲ 🗁 src	97.8 %	1,505	34	1,539
▲ ⊞ safehome.web	98.8 %	554	7	561
▷ Ⓙ AboutView.java	100.0 %	29	0	29
▷ Ⓙ DeviceUnit.java	100.0 %	16	0	16
▷ Ⓙ Login.java	100.0 %	38	0	38
▷ Ⓙ SecurityZone.java	100.0 %	32	0	32
▷ Ⓙ Surveillance.java	100.0 %	28	0	28
▷ Ⓙ User.java	100.0 %	11	0	11
▷ Ⓙ WebService.java	100.0 %	20	0	20
▷ Ⓙ FloorPlan.java	99.6 %	226	1	227
▷ Ⓙ WebMainView.java	96.2 %	154	6	160
▲ ⊞ safehome.device	97.8 %	448	10	458
▷ Ⓙ DeviceControlPanelAbstract.java	100.0 %	235	0	235
▷ Ⓙ DeviceSensorTester.java	100.0 %	108	0	108
▷ Ⓙ DeviceWinDoorSensor.java	100.0 %	18	0	18
▷ Ⓙ DeviceMotionDetector.java	88.9 %	16	2	18
▷ Ⓙ DeviceCamera.java	89.9 %	71	8	79
▲ ⊞ safehome	96.7 %	503	17	520
▷ Ⓙ CameraTest.java	100.0 %	41	0	41
▷ Ⓙ CameraView.java	94.4 %	17	1	18
▷ Ⓙ MainDemoApp.java	75.0 %	3	1	4
▷ Ⓙ SensorTest.java	98.7 %	74	1	75
▷ Ⓙ Alarm.java	97.5 %	79	2	81
▷ Ⓙ MainDemo.java	94.6 %	35	2	37
▷ Ⓙ SensorControl.java	95.0 %	38	2	40
▷ Ⓙ ControlSoftware.java	96.4 %	216	8	224

5. Method Counters (95.9%)

Element	Coverage	Covered Methods	Missed Methods	Total Methods
▲ 📂 safehome	95.9 %	163	7	170
▲ 📁 src	95.9 %	163	7	170
▲ ⊞ safehome.device	97.5 %	39	1	40
▷ 🗎 DeviceControlPanelAbstract.java	100.0 %	10	0	10
▷ 🗎 DeviceMotionDetector.java	100.0 %	8	0	8
▷ 🗎 DeviceSensorTester.java	100.0 %	4	0	4
▷ 🗎 DeviceWinDoorSensor.java	100.0 %	8	0	8
▷ 🗎 DeviceCamera.java	90.0 %	9	1	10
▲ ⊞ safehome.web	98.3 %	57	1	58
▷ 🗎 AboutView.java	100.0 %	2	0	2
▷ 🗎 DeviceUnit.java	100.0 %	7	0	7
▷ 🗎 FloorPlan.java	100.0 %	16	0	16
▷ 🗎 Login.java	100.0 %	2	0	2
▷ 🗎 SecurityZone.java	100.0 %	6	0	6
▷ 🗎 Surveillance.java	100.0 %	3	0	3
▷ 🗎 User.java	100.0 %	3	0	3
▷ 🗎 WebService.java	100.0 %	4	0	4
▷ 🗎 WebMainView.java	93.3 %	14	1	15
▲ ⊞ safehome	93.1 %	67	5	72
▷ 🗎 CameraTest.java	100.0 %	2	0	2
▷ 🗎 CameraView.java	100.0 %	3	0	3
▷ 🗎 SensorControl.java	100.0 %	15	0	15
▷ 🗎 Alarm.java	90.9 %	10	1	11
▷ 🗎 ControlSoftware.java	96.9 %	31	1	32
▷ 🗎 MainDemo.java	75.0 %	3	1	4
▷ 🗎 MainDemoApp.java	50.0 %	1	1	2
▷ 🗎 SensorTest.java	66.7 %	2	1	3

6. Type Counters (100.0%)

Element	Coverage	Covered Types	Missed Types	Total Types
▲ 📂 safehome	100.0 %	31	0	31
▲ 📁 src	100.0 %	31	0	31
▲ ⊞ safehome	100.0 %	11	0	11
▷ 🗎 Alarm.java	100.0 %	1	0	1
▷ 🗎 CameraTest.java	100.0 %	1	0	1
▷ 🗎 CameraView.java	100.0 %	1	0	1
▷ 🗎 ControlSoftware.java	100.0 %	3	0	3
▷ 🗎 MainDemo.java	100.0 %	2	0	2
▷ 🗎 MainDemoApp.java	100.0 %	1	0	1
▷ 🗎 SensorControl.java	100.0 %	1	0	1
▷ 🗎 SensorTest.java	100.0 %	1	0	1
▲ ⊞ safehome.device	100.0 %	6	0	6
▷ 🗎 DeviceCamera.java	100.0 %	1	0	1
▷ 🗎 DeviceControlPanelAbstract.java	100.0 %	1	0	1
▷ 🗎 DeviceMotionDetector.java	100.0 %	1	0	1
▷ 🗎 DeviceSensorTester.java	100.0 %	2	0	2
▷ 🗎 DeviceWinDoorSensor.java	100.0 %	1	0	1
▲ ⊞ safehome.web	100.0 %	14	0	14
▷ 🗎 AboutView.java	100.0 %	1	0	1
▷ 🗎 DeviceUnit.java	100.0 %	1	0	1
▷ 🗎 FloorPlan.java	100.0 %	3	0	3
▷ 🗎 Login.java	100.0 %	1	0	1
▷ 🗎 SecurityZone.java	100.0 %	1	0	1
▷ 🗎 Surveillance.java	100.0 %	1	0	1
▷ 🗎 User.java	100.0 %	1	0	1
▷ 🗎 WebMainView.java	100.0 %	4	0	4
▷ 🗎 WebService.java	100.0 %	1	0	1

7. Cyclometic Complexity Counters (90.4%)

Element	Coverage	Covered Complexity	Missed Complexity	Total Complexity
▲ 📂 safehome	90.4 %	368	39	407
▲ 📇 src	90.4 %	368	39	407
▲ ⊞ safehome.device	94.2 %	81	5	86
▷ 🗋 DeviceSensorTester.java	100.0 %	20	0	20
▷ 🗋 DeviceWinDoorSensor.java	100.0 %	10	0	10
▷ 🗋 DeviceControlPanelAbstract.java	96.3 %	26	1	27
▷ 🗋 DeviceMotionDetector.java	90.0 %	9	1	10
▷ 🗋 DeviceCamera.java	84.2 %	16	3	19
▲ ⊞ safehome.web	92.8 %	155	12	167
▷ 🗋 DeviceUnit.java	100.0 %	7	0	7
▷ 🗋 Surveillance.java	100.0 %	8	0	8
▷ 🗋 User.java	100.0 %	6	0	6
▷ 🗋 WebService.java	100.0 %	7	0	7
▷ 🗋 AboutView.java	66.7 %	2	1	3
▷ 🗋 Login.java	75.0 %	3	1	4
▷ 🗋 SecurityZone.java	90.9 %	10	1	11
▷ 🗋 WebMainView.java	91.9 %	34	3	37
▷ 🗋 FloorPlan.java	92.9 %	78	6	84
▲ ⊞ safehome	85.7 %	132	22	154
▷ 🗋 CameraView.java	100.0 %	3	0	3
▷ 🗋 SensorControl.java	100.0 %	22	0	22
▷ 🗋 CameraTest.java	83.3 %	5	1	6
▷ 🗋 MainDemoApp.java	50.0 %	1	1	2
▷ 🗋 SensorTest.java	92.3 %	12	1	13
▷ 🗋 MainDemo.java	66.7 %	4	2	6
▷ 🗋 Alarm.java	82.1 %	23	5	28
▷ 🗋 ControlSoftware.java	83.8 %	62	12	74