Test Plan Documentation - Server/database group

Homedork - Interactive Smart House

Revision History

Name	Associated Letter
Lukas Olsson	A
Wills Ekanem	B
Bujar Rabushaj	C
Besnik Rabushaj	D

Date	Version	Description	Author
16/9/2021	1.0	No testing yet currently in conception state.	A, B, C, D
6/10/2021	1.1	No unit test class implemented	B
21/10/2021	1.3	Query builder and Service class test cases implemented	B
14/11/2021	1.4	Updated result for all test cases. Removed redundancy Added newly implemented test cases for service classes.	B
7/12/2021	1.5	Added tests for new model devices. Changed some method names.	B

Homedork's API implemented JUnit test cases

Test procedures

- o All test cases follow a general flow of methods, they mainly very in the service methods they use.
- o Each test case requires the data object tested to exist in the database being used.
- o Each test class as an associated user object that exist in the database.
- o Each test case is tested with both the object(User, Device) ID and a fake object ID.
- o Each test case will be represented by it test case method name and holding class.
- o Each test case follows a common sequence of steps, calling service methods and the corresponding QueryBuilder class method.

Test case ID	Test case	Results
1	UserServicesTest.getUser()	PASS
2	UserServicesTest.getUserDevices()	PASS
3	UserServicesTest.addNewUser()	PASS
4	UserServicesTest.getPinSlot()	PASS
5	UserServicesTest.removeDevice()	PASS
6	LampServicesTest.getLamp()	PASS
7	LampServicesTest.getAllLamps()	PASS
8	LampServicesTest.turnLampOn()	PASS
9	LampServicesTest.turnLampOff()	PASS
10	LampServicesTest.slideLampLevel()	PASS
11	FanServicesTest.getFan()	PASS
12	FanServicesTest.getAllFans()	PASS
13	FanServicesTest.turnFanOn()	PASS
14	FanServicesTest.turnFanOff()	PASS
15	FanServicesTest.slideFanLevel()	PASS
16	CurtainServicesTest.getCurtain()	PASS
17	CurtainServicesTest.getAllCurtains()	PASS
18	CurtainServicesTest.openCurtain()	PASS
19	CurtainServicesTest.closeCurtain()	PASS
20	CurtainServicesTest.slideCurtainLevel()	PASS
21	ThermServicesTest.getTherm()	PASS
22	ThermServicesTest.getAllTherms()	PASS
23	ThermServicesTest.turnThermOn()	PASS
24	ThermServicesTest.turnThermOff()	PASS
25	ThermServicesTest.slideThermLevel()	PASS
26	AlarmServicesTest.getAlarm()	PASS
27	AlarmServicesTest.getAllAlarms()	PASS
28	AlarmServicesTest.turnAlarmOn()	PASS
29	AlarmServicesTest.turnAlarmOff()	PASS
30	AlarmServicesTest.slideAlarmLevel()	PASS
31	WindowServicesTest.getWindow()	PASS
32	WindowServicesTest.getAllWindows()	PASS
33	WindowServicesTest.openWindow()	PASS
34	WindowServicesTest.closeWindow()	PASS
36	WindowServicesTest.slideWindowLevel()	PASS