

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

Homedork's API implemented JUnit test cases

Test procedures

- All test cases follow a general flow of methods, they mainly vary in the service methods they use.
- Each test case requires the data object tested to exist in the database being used.
- Each test class has an associated user object that exists in the database.
- Each test case is tested with both the object (User, Device) ID and a fake object ID.
- Each test case will be represented by its test case method name and holding class.
- 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	LampServicesTest.getLamp()	PASS
4	LampServicesTest.getAllLamps()	PASS
5	LampServicesTest.turnLampOn()	PASS
6	LampServicesTest.turnLampOff()	PASS
7	LampServicesTest.slideLampLevel()	PASS
8	FanServicesTest.getFan()	PASS
9	FanServicesTest.getAllFans()	PASS
10	FanServicesTest.turnFanOn()	PASS
11	FanServicesTest.turnFanOff()	PASS
12	FanServicesTest.slideFanLevel()	PASS
13	CurtainServicesTest.getCurtain()	PASS
14	CurtainServicesTest.getAllCurtains()	PASS
15	CurtainServicesTest.turnCurtainOn()	PASS
16	CurtainServicesTest.turnCurtainOff()	PASS
17	CurtainServicesTest.slideCurtainLevel()	PASS
13	ThermServicesTest.getTherm()	PASS
14	ThermServicesTest.getAllTherms()	PASS
15	ThermServicesTest.turnThermOn()	PASS
16	ThermServicesTest.turnThermOff()	PASS
17	ThermServicesTest.slideThermLevel()	PASS