# Test Plan Documentation - Server/database group

Homedork - Interactive Smart House

# Revision History

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

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| --- | --- | --- | --- |
| **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

* + All test cases follow a general flow of methods, they mainly very in the service methods they use.
  + Each test case requires the data object tested to exist in the database being used.
  + Each test class as an associated user object that exist 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 it 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.

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| 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 |