Test Plan Documentation

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Interactive House - Homedork

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 | 0.0 | No testing yet currently in conception state. | A, B, C, D |
| 6/10/2021 | 0.1 | No unit test class implemented | B |
| 21/10/2021 | 0.3 | Query builder and Service class test cases implemented | B |
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Homedork’s API implemented JUnit test cases

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| --- | --- | --- | --- | --- | --- |
| Test case ID | Summary | Precondition | Steps | Results | Comment  (Timeline tracked) |
| 1 | Get user/ get user saved information | User data exists in database and right {userId} is called.  DB server is up and running. | - user service class is contacted  - query builder class is called  - client class is contacted to send “get user by {userId}” query to DB server. | PASS | User objects already exists in users table |
| 2 | Get user devices | User has some devices in DB. User exists in DB by **{usedId}.**.  DB server is up and running | - user service class is contacted  - query builder class is called  - client class is contacted to send “get devices where userId == {userId}” query to DB server. | FAIL | No devices |
| 3 | Get all user’s lamp | User has some devices of **deviceType = Device.Lamp** in DB. User exists in DB by **{usedId}.**.  DB server is up and running | - user service class is contacted  - query builder class is called  - client class is contacted to send “select \* devices where userId == {userId} and **deviceType = Device.Lamp**” query to DB server. | FAIL | No devices |
| 4 | Turn off user’s lamp | User has some devices of **deviceType = Device.Lamp** in DB. User exists in DB by **{usedId}.**.  DB server is up and running | - user service class is contacted  - query builder class is called  - client class is contacted to send “change device state where **deviceType = Device.Lamp** and deviceId = {lampId} ” query to DB server. | FAIL | No devices |
| 5 | Turn on user’s lamp | User has some devices of **deviceType = Device.Lamp** in DB . User exists in DB by **{usedId}.**.  DB server is up and running | - user service class is contacted  - query builder class is called  - client class is contacted to send “change device state where **deviceType = Device.Lamp** and deviceId = {lampId} ” query to DB server. | FAIL | No devices |
| 6 | Get a particular lamp | User has some devices of **deviceType = Device.Lamp** in DB. User exists in DB by **{usedId}.**.  DB server is up and running | - user service class is contacted  - query builder class is called  - client class is contacted to send “get device where **deviceType = Device.Lamp** and deviceId = {lampId} ” query to DB server. | FAIL | No devices |
| 7 | Change lamp brightness | User has some devices of **deviceType = Device.Lamp** in DB. User exists in DB by **{usedId}.**  DB server is up and running | - user service class is contacted  - query builder class is called  - client class is contacted to send “set level = {level} where **deviceType = Device.Lamp** and deviceId = {lampId} ” query to DB server. | FAIL | No devices |
| 8 | Get all user’s Fans | User has some devices of **deviceType = Device.Fan** in DB. User exists in DB by **{usedId}.**.  DB server is up and running | - user service class is contacted  - query builder class is called  - client class is contacted to send “select \* devices where userId == {userId} and **deviceType = Device.Fan**” query to DB server. | FAIL | No devices |
| 9 | Turn off user’s Fan | User has some devices of **deviceType = Device.Fan** in DB. User exists in DB by **{usedId}.**.  DB server is up and running | - user service class is contacted  - query builder class is called  - client class is contacted to send “change device state where **deviceType = Device.Fan** and deviceId = {fanId} ” query to DB server. | FAIL | No devices |
| 10 | Turn on user’s Fan | User has some devices of **deviceType = Device.Fan** in DB . User exists in DB by  **{usedId}.**.  DB server is up and running | - user service class is contacted  - query builder class is called  - client class is contacted to send “change device state where **deviceType = Device.Fan** and deviceId = {fanId} ” query to DB server. | FAIL | No devices |
| 11 | Get a particular Fan | User has some devices of **deviceType = Device.Fan** in DB. User exists in DB by **{usedId}.**.  DB server is up and running | - user service class is contacted  - query builder class is called  - client class is contacted to send “get device where **deviceType = Device.Fan** and deviceId = {fanId} ” query to DB server. | FAIL | No devices |
| 12 | Change fan speed | User has some devices of **deviceType = Device.Fan** in DB. User exists in DB by **{usedId}.**  DB server is up and running | - user service class is contacted  - query builder class is called  - client class is contacted to send “set level = {level} where **deviceType = Device.Fan** and deviceId = {fanId} ” query to DB server. | FAIL | No devices |