**Test Documentation – Unit group**

**Homedork – Interactive Smart House**

Revision History

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| **Author** |  |
| Ali Habesh | A |
| Amr Al-shaaba | B |
| Stiv Abdulwahed | C |
| Hani Al-zir. | D |

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| **Date** | **Version** | **Description** | **Author** |
| 2021-10-22 | 1.0 | Testing signup,login and password with database | A, B, C, D |
| 2021-10-16 | 1.1 | Adding the build test action from github | A, B, C, D |
| 2021-11-16 | 1.2 | Added UI lamp testing | A, B, C, D |
| 2021-12- 06 | 2.0 | Testing Calendar, Speech recognition, Web size responsiveness | A, B, C, D |
| 2022-01-08 | 3.0 | Final version | A, B, C, D |

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| Test ID | Test Type | Test | Precondition | Steps | Results | Comment |
| 1 | User test | Login Successful | User exists in firebase db | Enter Correct email and password | Pass | - |
| 2 | User test | Login Unsuccessful - wrong password | wrong password | Enter wrong password | Pass | - |
| 3 | User test | Login Unsuccessful- unregistered email | Enter unregistered email | Email not found in Database | Pass | - |
| 4 | User test | Signup Successful | Firebase database is working | -Enter email  ,name and password  Click sign up | Pass | - |
| 5 | User test | Signup Unsuccessful  Short password | Password less than the limit | The password should be at least 6 digits | Pass | - |
| 6 | User test | Change password  successful | password updated in the database | new Password are checked and confirmed with DB | Pass | - |
| 7 | User test | Change password unsuccessful | password was not confirmed in | new password does not meet the limitation | Pass | - |
| 8 | Automated Test | Android CI | Build project in Github to check for errors | When making new pull request Github will check the request for any errors | Pass | - |
| 9 | Automated Test | Java CI with gradle | Build project in Github to check the gradle build for mistakes | When making new pull request Github will check the request for gradle errors | Pass | - |

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| 10 | User test | Press on same button (spam) | should not overflow or cause any other crash | Adding many buttons to display lamp features | Pass | - |
| 11 | User test | Press on same sliders (spam) | should not overflow or cause any other crash | Adding many sliders to control several lamps | Pass | - |
| 12 | User test | Slider control | Should not bug or send any data before the mouse/finger is done. | Controlling the slider very fast without any problems | Pass | - |
| 13 | User test | Add many devices at once | If device objects overflows, it should handle that by creating a scroll. | Generate at least 8 lamp objects. | fail | - |
| 14 | User test | Add many devices at once | If device objects overflows, it should handle that by creating a scroll. | Generate at least 8 lamp objects. | Pass | - |
| 15 | User test | Calendar testing | The user should be able to (add/remove events) | Adding, editing, or removing several events without any problem | Pass | - |
| 16 | User test | Speech recognition | The user should be able to do some specific order using speech recognition (dark mode", "light mode", "change webpage" | change the mode multiple times without any problems and checking how the speech recognition handles long sentences | Pass | - |
| 17 | User test | Web size responsiveness | The User should be able to minimize or maximize the web page size | The system works fine and doesn’t crash when changing the size. | Pass | - |