

Requirements Documentation – Unit group

Homedork - Interactive Smart House

Revision History

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Date	Version	Description	Author
2021-09-15	1.0	Modifying Requirements documentation	A,B,C,D
2021-10-15	1.1	Updating priority for R6 and R10 in the list	A,B,C,D
2021-10-20	1.2	Edits to priorities: Microwave on/off Coffee Machine	A,B,C,D
2021-11-16	1.2.1	Updated the requirements List: Delete Microwave and coffee machine Add game	A,B,C,D
2021-11-17	1.2.2	Add a calendar	A,B,C,D

Requirements List

Requirement Name	Priority
R1. Start application	Essential
R2. End application	Essential
R3. Log in system	Essential
R4. Scroller for lights	Essential
R5. Scroller for temperature	Essential
R6. Play a game	Essential
R7. Scroller as a clickable on/off	Desirable
R8. Speech recognition	Desirable
R9. Connect to the speaker (Bluetooth)	Desirable
R10. Calendar for a user to add events	Essential

Requirements Descriptions

R1

To be able to start the application process.

R2

Quitting the application process (automatically saving the data)

R3

A login system is necessary to give the right user the right access to his smart house, there should be a good authentication system to be able to protect the user as good as possible.

R4

The user should be able to input light sensitivity from 0-100 using a scroller. 0, in this case, means it's off and 100 means the light sensitivity is at maximum brightness.

R5

The user should be able to use the scroller to input data into his smart house AC depending on his scroller input.

R6

The user is able to play a simple game in their free time

R7

The user should also have the option to turn on the light using a button in case light sensitivity is not an option.

R8

Currently, speech recognition is desirable as an alternative way to give input, while this may be important, the priority level isn't essential. The basic idea is to reduce the limitations as much as possible for someone with a certain type of disability, using speech recognition. Though the accuracy is will require testing.

R9

The user should be able to connect to speakers using Bluetooth on both web app and phone app.

R10

The users will have the option to see a calendar and add reminders or events