

Requirements Documentation

Home Dork

Revision History

Date	Version	Description	Author
2021-09-15	1.0	Modifying Requirements documentation	Ali habesh, Amr Al-shaaba, Stiv Abdulwahed, Hani Al-zir.
2021-10-15	1.1	Updating priority for R6 and R10 in the list	Ali habesh, Amr Al-shaaba, Stiv Abdulwahed, Hani Al-zir.
2021-10-20	1.2	Edits to priorities: Microwave on/off Coffee Machine	Ali habesh, Amr Al-shaaba, Stiv Abdulwahed, Hani Al-zir.

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. Button for coffee machine On/Off (time scheduling also)	Desirable
R7. Scroller as a clickable on/off	Desirable
R8. Speech recognition	Desirable
R9. Connect to speaker (Bluetooth)	Desirable

R10. Microwave On/Off	Desirable
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Requirements Descriptions

R1

To be able to start the application process.

R2

Quitting the application process (automatically saving the data)

R3

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 meaning its 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 should be able to start his coffee machine with an On/Off button, the user also has the option to schedule his coffee machine. Essentially scheduling coffee machine means it will automatically start each day at a specific time.

R7

The user should also have the option to turn on the light using a button incase 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 certain type of a 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 user should be able to start his microwave with an On/Off button.