

Requirements Documentation for Server + DB group

Homedork - Interactive House

Revision History

Date	Version	Description	Author
16/9/2021	0.0	Initial Requirement Assessment	All

Requirements List

Requirement Name	Priority
R1. Start/run Server	Essential
R2. Connecting to database	Essential
R3. Disconnecting from DB	Essential
R4. Receive Stream from Client	Essential
R5. Update Database	Essential
R6. Handle Stream	Essential
R7. Read data from DB	Essential
R8. Listen to Devices	Essential
R9. Password Encryption	Essential
R10. Add New Devices	Optional
R11. Remove Devices	Desirable
R12. Data Encryption	Desirable

Requirements Descriptions

R1

Launch the database and be ready to receive and send information.

R2

Allow Clients to connect to the database through the server.

R3

Allow clients to disconnect from the server.

R4

Server will be able to receive streams from the Client.

R5

The ability to modify data within the database through the server

R6

Server must be able to use the information received from the client correctly.

R7

Server must be able to read data from the database.

R8

The server must be actively listening to devices to accept changes.

R9

The database must have password encryption for the users.

R10

The server could add a new device to the database.

R11

The server should be able to remove a device in the database.

R12

The database should only have access to encrypted data and the server should only be sending encrypted data that can only be read by the devices.