

Supplementary requirements Documentation – Server/database group

Homedork – Interactive Smart House

Revision History

Name	Associated Letter
Lukas Olsson	A
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Date	Version	Description	Author
16/9/2021	1.0	Initial revision	A, B, C, D
6/10/2021	1.1	Secondary Revision	A, B, C, D
23/10/2021	1.2	Third revision	A, B, C, D
16/11/2021	1.3	Added a requirement completion rating	A
06/12/2021	1.4	Updated requirement completion for code structure	A
10/01/2022	1.5	Updated Completion of all Supplementary Requirements to be Complete	A

Supplementary Requirements List

Supplementary Requirement Name	Priority	Completion (%)
S1. Reliability-Stable	Essential	100
S2. Performance-Responsiveness	Essential	100
S3. Compatibility	Essential	100
S4. Well-structured code	Desirable	100
S5. Design of system	Desirable	100
S6. Encryption	Desirable	100

S7. Programming language	Optional	100
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Supplementary Requirements Descriptions

S1

Reliability – The server should always be available to contact and ready to handle requests to the devices.

S2

Performance – The server should be able to handle requests within a good time.

S3

Compatibility - We think that it's very important for our code to be compatible with the other groups code wise, but also with what they want to achieve with their own goals since everything is being run through the server.

S4

Well-structured code - We think it's necessary for us to have well-structured code so the other groups can understand our code on GitHub and give suggestions in case there are any problems.

S5

Design of system - We decided to create various designs before the implementation of the server/client to ensure that capabilities of the system are properly established.

S6

Programming Language – We have decided to use Java for the server and MySQL for the database.

S7

Encryption - Encrypting the data being streamed from server to devices as well user data saved to database such as user passwords and potentially the addresses of saved devices.