# Supplementary requirements Documentation – Server/database group

# Homedork – Interactive Smart House

Revision History

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| --- | --- |
| **Name** | **Associated Letter** |
| Lukas Olsson | A |
| Wills Ekanem | B |
| Bujar Rabushaj | C |
| Besnik Rabushaj | D |

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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 |
| 12/06/2021 | 1.4 | Updated requirement completion for code structure | A |

Supplementary Requirements List

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| --- | --- | --- |
| **Supplementary Requirement Name** | **Priority** | **Completion (%)** |
| S1. Reliability-Stable | Essential | 90 |
| S2. Performance-Responsiveness | Essential | 100 |
| S3. Compatibility | Essential | 90 |
| S4. Well-structured code | Desirable | 80 |
| S5. Design of system | Desirable | 100 |
| S6. Encryption | Desirable | 100 |
| S7. Programming language | Optional | 100 |

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.