TRACEABILITY REPORT

Elevator System

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System Architecture
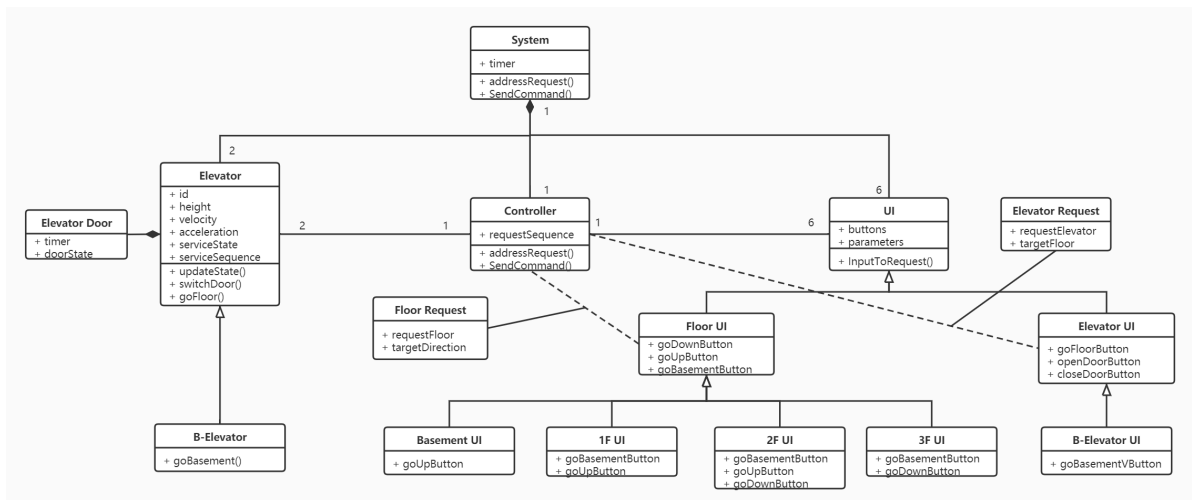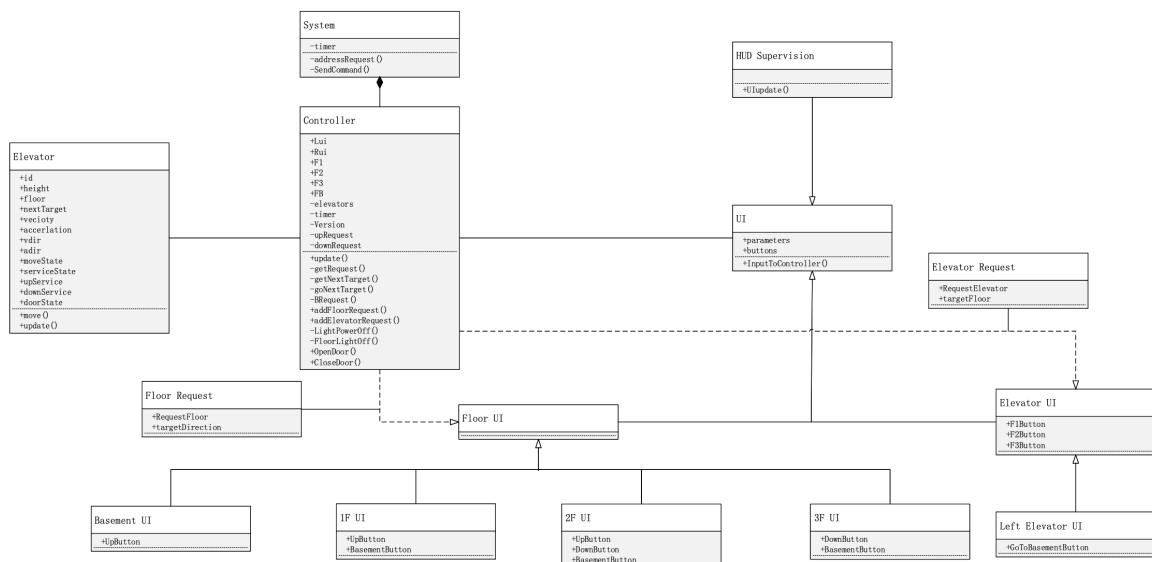
The system architecture is shown below:

Class diagram at requirement stage

Class diagram for actual implementation

Software Traceability

Requirement	Implemented by	Validated by
R1 Floor UI	S1	T1, T3
R1.1	S1.1	T3.3, T1.4, T1.5, T1.6, T1.7
R1.1.1	S1.1.1	T3.3, T1.4, T1.5, T1.6, T1.7
R1.1.2	S1.1.2	T3.3, T1.4, T1.5, T1.6, T1.7
R1.1.3	S1.1.3	T3.3, T1.4, T1.5, T1.6, T1.7
R1.2	S1.2	T3.1, T1.3
R1.2.1	S1.2	T3.1, T1.3
R1.2.2	S1.2	T3.1, T1.3
R2 Elevator UI	S2	T3.1, T3.2, T3.4, T3.5, T1.8, T1.9
R2.1	S2.1	T3.4, T3.5, T1.8, T1.9
R2.1.1	S2.1	T3.4, T1.8, T1.9
R2.1.2	S2.1	T3.5, T1.8, T1.9
R2.2	S2.2	T3.2, T1.8, T1.9
R2.2.1	S2.2.1	T3.2, T1.8, T1.9
R2.2.2	S2.2.2	T3.2, T1.8, T1.9
R2.3	S2.3	T3.1, T1.8, T1.9
R2.3.1	S2.3	T3.1, T1.8, T1.9
R2.3.2	S2.3	T3.1, T1.8, T1.9
R3 Controller	S3	T1.1
R3.1	S2.1, S3.1	T1.1
R3.1.1	S3.1.1	T1.1
R3.1.2	S2.1	T1.1
R3.1.3	S3.1.2	T1.1
R3.1.4	S2.1	T1.1
R3.1.5	S3.2.1	T1.1
R3.2	S3.2	T1.1, T1.2
R3.2.1	S3.2.1	T1.1, T1.2
R3.2.2	S3.2.2	T1.1, T1.2
R3.2.3	S3.2.3	T1.1, T1.2
R3.2.4	S3.2.2	T1.1, T1.2

Requirement	Implemented by	Validated by
R3.3	S3.3	T1.1
R3.3.1	S3.3.1	T1.1
R3.3.2	S3.3.2	T1.1
R3.4	S3.3.3	T1.1
R3.4.1	S3.3.3	T1.1
R3.4.2	S3.3.3	T1.1

Requirement	Implemented by	Validated by