Use Case Form

Use Case Name	Providing calculated time to the scheduler and elevator
Primary Actor	The engine of the elevator (indirectly the user)
Further Actors	The users of the elevator (current user and further ones)
Stakeholders and their Interests	manufacturer of the elevator: wants all the times to be calculated in the right way because it relies on correct times
Success Guarantees	The time is scheduled successfully (correct)
Minimal Guarantees	The elevator is operating correctly in general
Trigger	Once per second automaticly triggered
Basic Course (Main Success Scenario)	1. Get the current indexes of the two times 2. If they are not the initial ones (T(1) and T(2)), use this Formula to calculate the next time values: T(n+1) $\in$ [T(n) + 5, T(n) + 20] 3. Return the calculated numbers to the scheduler and the elevator
Alternative Course	1.a Indexes are 1 and 2 (the initial ones): 1.a1 Calculate 2 random numbers T1 , T2 $\in$ [5, 20] 1.a2 Continue with 3.