Vladislav Stefanov

STUDENTS INC.

Planning sprint 3

# Sprint 3 Tasks

Deadline: 21/11/2023

During Sprint 3 the team will be mainly focused on developing a talking skeleton and implementing the scenarios in Use Case 1.

1. Update of SDD
   1. Update requirements (URs, FRs, NFRs) for Use Case 1 to make them concrete and testable (golden rules are requirements) - **Vladi**
   2. System structure for Use Case 1 – after 3.b (low priority at the beginning of Sprint 3)
   3. Design rationale for Use Case 1 – **Tim** (reasoning, arguments about our decisions)
   4. Update of quality management - after 3.b (low priority at the beginning of Sprint 3)
   5. Update of MoSCoW - after 3.b (low priority at the beginning of Sprint 3)
   6. Brief hardware component description - **Iskren**
2. Hardware component analysis
   1. Research of hardware protocols for communication between nodes; we’ll use a wired protocol (e.g., SPI, I2C, …) – **Adrian, Wouter**
   2. Specifying message structures for the protocol in the system – after 2.a and 3.a; **Adrian, Wouter**
   3. Research of car-detecting sensors (use of buttons in Sprint 3, hardware sensors in Sprint 4) - **Tim** (after 3.b (i.e., after talking skeleton is done, Use case 1 all scenarios))
3. Programming
   1. Talking skeleton (i.e., demonstration of simple node communication) (hardware communicating) – **Adrian, Wouter**
   2. Implement scenarios from Use Case 1 (software simulation) – **Tim, Iskren and Vladi**
   3. Software simulation of scenarios **- Wouter**
4. Testing strategy for scenarios in Use Case 1 - **Tim**
5. A short document with planning for Sprint 4 - **Vladi**