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**Agenda & Customer Review**

Team Oriented Project  
Team D  
Data Acquisition and Development Tool

Date:

**16th October 2024**

**Cooperation with Institute for Mechatronics and Medical Engineering**

**Technische Hochschule Ulm**Piro, Neltje EmmaMoosbauer, Sebastian

**Agenda**

1. User Mode Entry  
   Ask the customer if they prefer to enter user mode directly or if they would like to see a menu first.
2. Upcoming Sprint Questions
3. Prepare questions related to the user stories for the upcoming sprint.
4. Demonstrate User Stories:
5. Present all seven user stories planned for the upcoming sprint, including:
   1. Scrum 34 and its related tool.
   2. Scrum 41 and its related tool.
6. Modularity Explanation:
   1. Explain how modularity is achieved in the system.
   2. Select a component from the architecture diagram.
7. Describe its implementation using the source code, including both UI and backend details.
8. Customer Questions
   1. Units of Measurement
   2. Define units of measurement for every scientific use case.
   3. Include calculation specifics and formulas in our documentation.
   4. Sensor Data Simulation
      1. Plan how to simulate sensor data.
   5. Graphical Representation
      1. Clarify which variables are being plotted against each other (e.g., what versus what).

**Summary of our talks with the Customer**

1. The Algorithm layer needs to be able to run only the Python script.
   1. We don’t need to consider what currently needs to be implemented in the code.
2. Once we are done with MQTT initialization this week, we will get the dummy data from the customer to test our functionality.
3. Data-related hints:
   1. There will be a continuous stream of data.
   2. Data should be considered as a single packet that will later be processed in the Algorithm layer.
4. Time series to analyze the active monitoring graph:
5. We need to make a functionality where the user can set the interval values before the start of the campaigns (Reconfigurable set interval).
6. Analysis of the Wireframe:
   1. User mode should be the one used when the application opens, and later on, the user can sign into Developer mode.
   2. Debug mode is relevant to Developer mode.
7. Sensors should be shown for each pacifier on the Active Monitoring page.
8. In Developer mode, the developer should be allowed to delete a campaign, pacifier, or sensor using the UI instead of direct queries.