

Customer Meeting Report

17/11/2023

Attendees:

- Stéphane DUGUET (Thales)
- Baptiste BELLIER
- Alexis BONAMY
- Marie BORDET
- Aurélie CHAMOULEAU
- Paul TRÉMOUREUX
- Benoît VAVASSEUR

Progress report:

- Our internal guides have been modified to reflect the new Maven structure.
- US #3 (*manage the percentage of different population types in a station/area*) has been developed and tested.
- US #6 (*manage the percentage of different destination types in a station/area*) has been developed and tested.
- US #10 (*modify simulation configuration from HMI*) validated and closed
- US #12 (*distribution of zone users by destination*) has been developed and tested.
 - M. Duguet asks if it is possible to disable the "OK" button if the total is not 100%. Aurelie says she'll try to put it up.
- US #13 (*establish various behavioral rules to manage the population during the simulation*) started development. Work on various situational scenarios to add.
 - A lot of rules will have to be implemented.
- US #20 (*manage peak attendance*) developed, tested and documented. Pending validation.
 - Mr. Duguet asks if there is a link between this US and US #13. The answer is not yet known, but US #20 should be the basis for many of the same features as US #13.
- US #28 (*management line closure*) has been developed, currently in the test phase.
- TS #35 (*simulator quality*) validated and closed.
- TS #36 (*configuring Maven on the project to facilitate installation*) developed, tested, documented, validated and closed.

Questions to customer:Technical questions:

- About the scenarios (US #13), Paul Trémoureaux asked to discuss some points. Those points will be mentioned during the meeting, one of it being: are the following scenarios the kind of scenarios expected ?
 - "Some determined lines are automated so trains are going faster" → M. Duguet does not see any interest in implementing this scenario.
 - "If there are more than 10% of students in the city, there is a developed night activity leading to the creation of a third pic between 20h and 1h" → This rule interests M. Duguet, it will be necessary to think about the link between the distribution and the simulation. This kind of scenario has to be activated by default.
 - "Due to a policy of spreading of the working hours, pic are less important but last longer" → Look at the peak parameters if it is possible to modify its width, because it should change between various configurations.
- Is it possible for the team member to add the project and Thales names in our resume ?
 - Mr. Duguet has no objection.

Customer's question:

- Has the team already achieved visible results from its work?
 - Over the past week, the team ran a simulation with a large population (100,000), which lasted 5 minutes. The results cannot be displayed in Excel, but using Power BI, the results were deemed satisfactory.
 - Another simulation was carried out with a large network (more than 10 lines and over 70 stations), but the simulation did not work.