

Description of use cases

1. Initialization Application

The supervisor starts the application, the system asks the supervisor to connect to use the application. Once the supervisor authenticated, data is loaded from the database application and can instruct the system to load the map of an area.

2. Generate Road maps (TODO)

The supervisor asks the system for the calculation of Road maps. The system calculates and allocates Road maps to the deliverers and presents him the generated Road maps. The supervisor confirms afterward all the generated Road maps. Finally, the system stores the information of Road maps in the database.

3. Change Roadmaps

The system presents to the supervisor all roadmaps then selects one, the system displays the selected route sheet. Then the supervisor modifies (adding, deleting, changing the order of passage, ...). The valid supervisor or cancels the changes made and the system updates the modified Route Sheet and validated in the database.

4. Edit paper version (TODO)

The system presents to the supervisor all roadmaps that have been generated and validated. The system displays the Roadmap, the supervisor publishes a paper version of the Roadmap in order to return to the carrier concerned.

5. Monitor real-time

The system has all the roadmaps scheduled for the current day with a color code to distinguish the states of deliveries. The system regularly updates the data delivery based on the information provided by the deliverymen. The supervisor can view the positioning of each truck using the GPS can modify deliveries not made, the system directly updates the hours pass and the electronic version of Roadmaps once the modifications completed.