**Smooth Transport Project – Use Cases**

Actors on the scene: Logistician (Logistics Worker) and Truck Driver

Main goal to achieve: Guide truck drivers in a reliable, fast and easy manner.

**UC-01: Send Truck for Delivery**

**Main Success Scenario**

1. Cars must be delivered from manufacturer to shop and *Logistician* must choose truck driver to do the job.
2. *System* presents list of truck drivers as well as the number of available places on each truck and prompts *Logistician* to select one of them.
3. *Logistician* selects truck driver.
4. *System* prompts *Logistician* to select manufacturer and shop from presented lists.
5. *Logistician* selects manufacturer and shop.
6. *System* prompts *Logistician* to specify date and time for taking and delivering cars.
7. *Logistician* provides the information.
8. *System* represents how many free spaces remain on selected truck and prompts *Logistician* to select car brand and model that must be delivered.
9. *Logistician* selects brand and model.

*Steps 8-9 are repeated until all cars that must be delivered are selected or there are no more free places on the truck.*

1. *System* adds all selections to a car delivery list, creates an SMS, which contains GPS coordinates, delivery dates and times and car delivery list, and then prompts *Logistician* to confirm truck driver’s information, car delivery list, GPS coordinates, dates and times and as well as the SMS.
2. *Logistician* confirms presented information.
3. *System* saves the information and sends the SMS to the truck driver.

**Alternative Flows**

5A. The manufacturer or shop is a new one and not registered.

1. *Logistician* wants to register it.
2. System prompts *Logistician* to provide name, country, city and GPS coordinates.
3. Logistician provides requested information.
4. System saves the information and selects registered manufacturer or shop for *Logistician*.

*Continue from step 6 on main flow.*

9A. There are no more free places on selected truck.

1. *System* prompts *Logistician* to select another truck with more free spaces or to cancel this delivery.

1A. *Logistician* selects another truck.

1. *System* changes the truck and prompts *Logistician* for new car and model selection.

*Continue from step 6 on main flow.*

1B. *Logistician* cancels delivery.

12A. SMS couldn’t be sent.

1. *System* retries sending the SMS again.

1A. SMS couldn’t be sent again.

1. *System* informs *Logistician* about the issue.

12B. Truck Driver hasn’t received the SMS.

1. *System* informs *Logistician* about the issue.

**UC-02: Confirm Car Delivery Order**

**Main Success Scenario**

1. *Truck* *Driver* receives SMS from *Logistician* for new set of cars for delivery and replies to it for confirmation.
2. *System* receives the SMS from *Truck* *Driver* and saves that the new car delivery list is confirmed, and informs *Logistician* about it.

**Alternative Flows**

1A. There is no reply from *Truck* *Driver* within 30 minutes.

1. *System* sends reminder as an SMS that the new delivery list must be confirmed.
2. *Truck* *Driver* replies and confirms it.

*Continue from step 2 on main flow.*

2A. *Truck* *Driver* doesn’t reply.

1. *System* informs *Logistician* about the issue.

1B. *Truck* *Driver* replies s/he cannot do new car delivery list.

1. *System* informs *Logistician* about the issue.

**UC-03: Edit Car Delivery Order**

**Main Success Scenario**

1. *Logistician* has to change some information on a delivery order.
2. *System* prompts *Logistician* to select truck driver.
3. Logistician selects truck driver.
4. *System* prompts *Logistician* to select car delivery order.
5. Logistician selects car delivery order.
6. *System* prompts *Logistician* for new dates and times, manufacturer and shop and new car delivery list.
7. *Logistician* makes necessary changes.
8. *System* updates the car delivery list, creates a new SMS, which contains new GPS coordinates, delivery dates and times and new car delivery list, and then prompts *Logistician* to confirm truck driver’s information, car delivery list, GPS coordinates, dates and times and as well as the SMS.
9. *Logistician* confirms presented information.
10. *System* saves the information and sends the SMS to the truck driver.

**Alternative Flows**

**UC-04: Send Truck for Repair**

**Main Success Scenario**

1. *Logistician* must send truck for repair and therefore *Logistician* must provide *Truck* *Driver* with information about the truck and where to go to have the truck repaired.
2. *System* presents list of all truck drivers and prompts *Logistician* to select one of them.
3. *Logistician* selects truck driver.
4. System prompts *Logistician* to select service station.
5. *Logistician* selects service station.
6. *System* creates an SMS, which contains GPS coordinates and truck information and prompts *Logistician* to confirm them.
7. *Logistician* confirms them.
8. *System* saves information and sends SMS.

**Alternative Flows**

8A. SMS couldn’t be sent.

1. *System* retries sending the SMS again.

1A. SMS couldn’t be sent again.

1. *System* informs *Logistician* about the issue.

8B. Truck Driver hasn’t received the SMS.

1. *System* informs *Logistician* about the issue.