**Use-Case-01: Send Truck and Repair Information**

**Scope:** Smooth Transport API and Smooth Transport Client

**Level:** User-Goal

**Primary Actors:** Logistician and Truck Driver

**Stakeholders & Interests:**

* **Company:** 
  + Wants to send information to Truck Driver about the broken truck and chosen service station, as quickly as possible with no mistakes in the information.
* **Logistician:** 
  + Wants to send the information to Truck Driver with just few clicks and no writing/typing.

**Pre-conditions:** None.

**Success Guarantee:**

* SMS with information about service station (name, telephone, location) and truck (engine, tires, brand, model and series number) is generated and sent to Truck Driver.
* It is confirmed that Truck Driver has received the SMS.

**Main Success Scenario:**

1. Truck has broken down. Truck Driver sends SMS to System, to get directions what to do.
2. System saves SMS, forwards it to Logistician and then System sends delivery confirmation SMS back to Truck Driver.
3. Logistician receives the problem in a list and selects it to resolve the issue.
4. System prompts Logistician to select a service station from a list and sends SMS to Truck Driver to tell them that Logistician is working on the issue.
5. Logistician selects service station.
6. System generates SMS with information about the service station and the truck, and prompts for confirmation.
7. Logistician confirms it.
8. System saves SMS and sends it to Truck Driver.

**Alternative Flows:**

5. Logistician wants to add new service station.

5.1. System prompts for service station name, telephone number, location and GPS coordinates.

5.2. Logistician provides the information.

5.3. System saves the new service station and selects it for Logistician.

*Proceed from step 6.*

8. System doesn’t receive delivery confirmation and inform Logistician about the issue.

**Special Requirements:** SMS Service Provider

**Technology and Data Variations List:** None.

**Frequency of Occurrence:** Often.

**Open Issues:** None.

**Use-Case-02: Send Truck to Gas Station**

**Scope:** Smooth Transport API and Smooth Transport Client

**Level:** User-Goal

**Primary Actors:** Logistician

**Stakeholders & Interests:**

* **Company:** 
  + Wants Truck Drivers to fuel trucks at specific gas stations, to save money from fuel.
* **Logistician:** 
  + Wants to send the information to Truck Driver with just few clicks and no writing/typing.

**Pre-conditions:** None.

**Success Guarantee:**

* SMS with information about gas station (telephone, location and GPS coordinates) is generated and sent to Truck Driver.
* It is confirmed that Truck Driver has received the SMS.

**Main Success Scenario:**

1. Logistician sees a truck needs more fuel to continue with delivery.
2. System prompts for truck selection.
3. Logistician selects the truck.
4. System prompts for gas station selection.
5. Logistician selects a gas station.
6. System generates SMS with gas station information and prompts for confirmation.
7. Logistician confirms it.
8. System sends the SMS to the Truck Driver of the truck.

**Alternative Flows:**

5. Logistician wants to add new gas station.

5.1. System prompts for gas station name, telephone number, location and GPS coordinates.

5.2. Logistician provides the information.

5.3. System saves the new gas station and selects it for Logistician.

*Proceed from step 6.*

8. System doesn’t receive delivery confirmation and inform Logistician about the issue.

**Special Requirements:** SMS Service Provider

**Technology and Data Variations List:** None.

**Frequency of Occurrence:** Very Often.

**Open Issues:** None.

**Use-Case-03: Divert Truck**

**Scope:** Smooth Transport API and Smooth Transport Client

**Level:** User-Goal

**Primary Actors:** Logistician

**Stakeholders & Interests:**

* **Company:** 
  + Wants Truck Drivers to make detours, to save time or money from toll taxes.
* **Logistician:** 
  + Wants to send the information to Truck Driver with just few clicks and no writing/typing.

**Pre-conditions:** None.

**Success Guarantee:**

* SMS with information about diverting points (location and GPS coordinates) is generated and sent to Truck Driver.
* It is confirmed that Truck Driver has received the SMS.

**Main Success Scenario:**

1. Logistician has to divert a truck to avoid expenses.
2. System prompts for truck selection.
3. Logistician selects the truck.
4. System prompts for divert points.
5. Logistician selects them.
6. System generates SMS with information about diverting points and prompts for confirmation.
7. Logistician confirms it.
8. System sends the SMS to the Truck Driver of the truck.

**Alternative Flows:**

5. Logistician wants to add new diverting point.

5.1. System prompts for name, location and GPS coordinates.

5.2. Logistician provides the information.

5.3. System saves the new point and selects it for Logistician.

*Proceed from step 4. Logistician has to select a second point to bring the truck back to original route.*

8. System doesn’t receive delivery confirmation and inform Logistician about the issue.

**Special Requirements:** SMS Service Provider

**Technology and Data Variations List:** None.

**Frequency of Occurrence:** Rare.

**Open Issues:** None.

**Use-Case-04: Send Truck for Delivery**

**Scope:** Smooth Transport API and Smooth Transport Client

**Level:** User-Goal

**Primary Actors:** Logistician

**Stakeholders & Interests:**

* **Company:** 
  + Wants uninterrupted working flow and no truck driver being idle, which means drivers must be guided what to do as quickly as possible.
  + Wants no mistakes in the delivery order information.
* **Logistician:** 
  + Wants to send the information to Truck Driver with just few clicks and no writing/typing.
  + Wants to be able to add more than one delivery order to a Truck.

**Pre-conditions:** None.

**Success Guarantee:**

* SMS with information about delivery order is generated and sent to Truck Driver (manufacturer and shop’s location, GPS coordinates, telephone numbers, list of cars for delivery with their respecting chassis numbers, and delivery deadline).
* It is confirmed that Truck Driver has received the SMS.

**Main Success Scenario:**

1. Logistician has to send a truck to deliver cars.
2. System presents a list of trucks and prompts for selection.
3. Logistician selects a truck.
4. System prompts Logistician to select a manufacturer and shop, and specify a delivery deadline.
5. Logistician provides the information.
6. System makes new delivery order and prompts Logistician to select car for delivery and provide chassis number.
7. Logistician provides the information.
8. System shows the number of free spaces on the truck and prompts Logistician to select car and provide chassis number, again.

*Steps 7-8 are repeated until all cars for delivery are selected or there are no more free spaces on the truck.*

1. System generates an SMS with delivery order information and prompts for confirmation.
2. Logistician confirms.
3. System saves the new delivery order and sends the SMS to Truck Driver.

**Alternative Flows:**

5. Logistician wants to add new manufacturer or shop.

5.1. System prompts for name, location, telephone number and GPS coordinates.

5.2. Logistician provides the information.

5.3. System saves the new manufacturer or shop and selects it for Logistician.

*Proceed from step 4. Logistician has to set the delivery deadline.*

8. Logistician wants to make one more delivery order for the same truck.

8.1. System prompts Logistician to select new shop, and specify new delivery deadline.

*Proceed from step 5.*

11. System doesn’t receive delivery confirmation and inform Logistician about the issue.

**Special Requirements:** SMS Service Provider

**Technology and Data Variations List:** None.

**Frequency of Occurrence:** Very often.

**Open Issues:** None.

**Use-Case-05: Send Delivery Start SMS**

**Scope:** Smooth Transport API and Smooth Transport Client

**Level:** User-Goal

**Primary Actors:** Logistician and Truck Driver

**Stakeholders & Interests:**

**Pre-conditions:** None.

**Success Guarantee:**

* It is confirmed that Logistician has received the SMS.

**Main Success Scenario:**

1. Truck Driver has loaded all cars that must be delivered and sends SMS to System to inform that they are en route.
2. System saves the SMS and forwards it to Logistician.
3. Logistician sees that the truck is en route.
4. System sends SMS to Truck Driver to confirm the delivery of their SMS and that a Logistician has saw it.

**Alternative Flows:** None.

**Special Requirements:** SMS Service Provider

**Technology and Data Variations List:** None.

**Frequency of Occurrence:** Very often.

**Open Issues:** None.

**Use-Case-06: Send Delivery End SMS**

**Scope:** Smooth Transport API and Smooth Transport Client

**Level:** User-Goal

**Primary Actors:** Logistician and Truck Driver

**Stakeholders & Interests:**

**Pre-conditions:** None.

**Success Guarantee:**

* It is confirmed that Logistician has received the SMS.

**Main Success Scenario:**

1. Truck Driver has unloaded all cars at the shop and sends SMS to System to inform that they are free.
2. System saves the SMS and forwards it to Logistician.
3. Logistician sees that the truck is free.
4. System sends SMS to Truck Driver to confirm the delivery of their SMS and that a Logistician has saw it.

**Alternative Flows:** None.

**Special Requirements:** SMS Service Provider

**Technology and Data Variations List:** None.

**Frequency of Occurrence:** Very often.

**Open Issues:** None.

**Use-Case-00:**

**Scope:** Smooth Transport API and Smooth Transport Client

**Level:** User-Goal

**Primary Actors:** Logistician and Truck Driver

**Stakeholders & Interests:**

**Pre-conditions:**

**Success Guarantee:**

**Main Success Scenario:**

**Alternative Flows:**

**Special Requirements:** SMS Service Provider

**Technology and Data Variations List:** None.

**Frequency of Occurrence:**

**Open Issues:** None.