

Use case name: Launch Delivery

Textual Description: the process of invite and launch a delivery managed by the delivery manager. The delivery manager responsible for initialize the delivery with the required details and launch it.

Actors: Delivery Manager

Pre-conditions: the delivery is in invited mode.

Post-conditions: the delivery is in on the ways mode.

Main success scenario:

- 1) Delivery manager initialize new delivery with date, driver and truck.
- 2) Delivery manager add new site to the delivery.
Delivery manager repeat stage 2
- 3) Delivery manager add product needed to be picked from a site (source) and mentioned the destination he unload them.
Delivery manager repeat stage 3
- 4) Delivery manager launch the delivery.
- 5) System logs the delivery and its attached information including the sites, products, date, driver and truck.

Alternative/Extensions:

1a)invalid date: 1.System notify error and avoid invite a delivery.

1b)no driver available in the given date: 1.System notify error and avoid invite a delivery.

1c)no truck fit to the driver chosen : 1.System avoid invite a delivery and notify error.

1d)no stock keeper available at the date: 1.System avoid invite a delivery and signals error.

2a) invalid site identifier: 1. System notify error and avoid adding a site.

2b) adding first a destination : 1. System avoid adding a site and signals error

3a) adding product to a source without a destination that come afterwards :

- 1.System signals error and avoid adding a product to the delivery.

3b) adding a product (by ID) that already exists in the destination:

- 1.System signals error and avoid adding the product.

4a)launching a delivery with unavailable driver:

- 1.System notify error and avoid launch the delivery.
- 2.System represents all the available drivers suits to the delivery's truck

3. Delivery Manager chose a new driver to the delivery

4b) Launching a delivery with an unavailable truck:

1. System notify error and avoid launch the delivery.

2. System represents all the available trucks

3. Delivery Manager choose the truck

4. System represents all the available drivers suits to the delivery's truck

5. Delivery Manager choose the driver

4c) Launching a delivery with a site that doesn't have a stock keeper available

1. System notify error and avoid launch the delivery.

2. System present the problematic sites

3. Delivery Manager remove the problematic sites from the delivery