

MarocShip

1. Introduction:

MarocShip wishes to simplify the management of deliveries for its e-commerce partners with the creation of a Rest API.

MarocShip is a multinational company based in Casablanca managed by a single Administrator.

Each year the company recruits many Drivers to cover the high demand for deliveries.

2. Object:

The Administrator is in charge of the Managers who are in turn, in charge of the Delivery Supervisors.

The Delivery Supervisors are tasked with affecting deliveries to Drivers under certain conditions.

Each Driver is in charge of a Vehicle (Car, Small Truck, Big Truck) and will be mailed the available deliveries (and their details) depending on the delivery's weight:

- **Cars:** delivery weight that does not exceed **200kg**.
- **Small Truck:** delivery weight that does not exceed **800kg**.
- **Big Truck:** delivery weight that does not exceed **1600kg**.

***International deliveries are made by planes.**

A Driver can then select and claim a delivery which will in turn not be available for others to select (based on a first come first served basis).

***Each delivery made must be logged in the system.**

Drivers can receive a payment bonus depending on their activity/performance:

- **1000km** per month equals **15%** of the overall deliveries amount.
- **2000km** per month equals **22%** of the overall deliveries amount.
- **2500km** per month equals **30%** of the overall deliveries amount.

Each Manager can consult the statistics of the best drivers and the rankings of deliveries.

3. Actors:

Admin:

In charge of Managers.

Manager:

In charge of Delivery Supervisors and Drivers.

View statistics about drivers and deliveries.

Delivery Supervisors:

In charge of deliveries.

Affect deliveries to the relevant Drivers.

Driver:

In charge of vehicles (Car, Small Truck, Big Truck).

Can view the available deliveries for his vehicle type and claim them.

Update delivery status.

4. Deliveries:

Deliveries are characterized by their type which determines their mode of transport:

- **National:** By car or trucks.
- **International:** By planes.

The amount will be calculated based on its weight and the type mentioned above, for national deliveries:

- Each **1kg** equals **40dh**.
- When it goes past **3kg**, each **additional kilogram** will only equal to **5dh**.

For international deliveries the amount is calculated as follows depending on the continent:

- **Europe:** 1kg equals **160dh.**
- **America:** 1kg equals **220dh.**
- **Asia:** 1kg equals **240dh.**
- **Australia:** 1kg equals **260dh.**

***The amounts must be converted to the currency of each zone.**