

Delivery module instructions

1. Menu tree-structure:

Main menu: "2. **Delivery**", "3. **Resources**"

a. "2. **Delivery**" menu:

- "1. **Back**"
- "2. **New delivery**"
- "3. **Show deliveries history**"
- "0. **Exit**"

b. "3. **Resources**" menu:

- "1. **Back**"
- "2. **Add driver**"
- "3. **Add truck**"
- "4. **Remove driver**"
- "5. **Remove truck**"
- "6. **Show all drivers**"
- "7. **Show all trucks**"
- "8. **Get driver by ID**"
- "9. **Get truck by license plate**"
- "0. **Exit**"

2. Options explanations:

- After an input inserted by the User the 'Enter' button has to be pressed.
- All-menu options – all menus have common options of going back to previous menu: "1. Back" and exiting the program: "0. Exit". *Specifically at the Main-menu, 'back'-option works in a familiar way as the 'exit'-option.
- Delivery menu – menu that holds all the options for managing a delivery for orders, such as creating a new delivery and showing all the previous deliveries that were created.
 - "2. **New delivery**" - allows to create a new delivery for an order.
 1. The User will insert all the Origin site* information, field by field (site's shipping zone**, address, contact person's name and its phone number). Then, the User will fill same fields for the Destination site. Insert '0' at any field to cancel delivery creation.
 2. The User will insert product information into presented fields – product ID and then its amount in the next field. Then next product info can be inserted. Insert '0' at 'Product ID' field to complete delivery creation. Insert '0' at 'Amount' field to cancel delivery creation.
 3. System will automatically reserve a first available driver-truck pair for this delivery considering existing schedule.

4. After completion of the delivery the summary recipe for the delivery will be presented.
- **"3. Show delivery history"** – presents a list of all the previous deliveries that were created.
- d. Resources menu – menu that holds the options to manage drivers' and trucks' resources such as adding new drivers/trucks or removing the existing ones. Also allows to present all of the existing drivers/truck or getting them one by one with drivers' IDs or trucks' license plates.
- **"2. Add driver"** – allows to add a new driver into the system database.
 1. The User will insert all the Driver information, field by field (ID, first name, last name, cellphone, living area (same as shipping zone), vehicle license category). Insert '0' at any field to cancel adding a new driver.
 2. At the end' a message of the successful adding operation will be presented: "Driver (ID) was added successfully".
 - **"3. Add truck"** - allows to add a new truck into the system database.
 1. The User will insert all the Truck information, field by field (license plate number, truck's model, parking zone (same as shipping zone), truck's net weight, truck's max load weight). Insert '0' at any field to cancel adding a new truck.
 2. At the end' a message of the successful adding operation will be presented: "Truck (license plate number) was added successfully".
 - **"4. Remove driver"** - allows to remove an existing driver from the system database.
 1. The User will insert the ID of the Driver to be removed. Insert '0' to cancel removing operation.
 2. At the end' a message of the successful removing operation will be presented: "Driver (ID) was removed successfully".
 - **"5. Remove truck"** - allows to remove an existing truck from the system database.
 1. The User will insert the license plate number of the Truck to be removed. Insert '0' to cancel removing operation.
 2. At the end' a message of the successful removing operation will be presented: "Truck (license plate number) was removed successfully".
 - **"6. Show all drivers"** – presents a list of all the existing drivers of the store net, with full available information for each driver.
 - **"7. Show all trucks"** – presents a list of all the existing trucks of the store net, with full available information for each truck.
 - **"8. Get driver by ID"** – allows to receive the info of the driver by his ID.
 1. The User will insert the ID of the Driver to be presented. Insert '0' to cancel the operation.
 2. Driver's information will be presented.

- "9. **Get truck by license plate**" – allows to receive the info of the truck by its license plate number.
 1. The User will insert the license plate number of the Truck to be presented. Insert '0' to cancel the operation.
 2. Truck's information will be presented.

* Site – a store or a provider.

** Shipping zone = Parking zone = Living area – parts of the country with stores located at those areas.