

Transport Module – Instructions

When a user executes the jar file, they will be prompted with a menu of actions. Each action is numbered, so that the user can enter the number of the desired action to choose it. There are three main actions that a user can choose: Schedule a new shipment, Browse past shipments documents and their relative destinations documents, and Exit.

The system is preloaded with 4 Areas, each area has numerous sites to choose from. It also has 2 drivers and 2 trucks with different License types and maximum weight respectively. And in addition, an example shipment document is also available with the loading of the system.

In the beginning, you start on the main menu. From here, you can pick from two main scenarios or finish the program by entering 0.

Main Menu Options

1. Schedule Shipment

- Proceed to schedule a new shipment by selecting the origin, area of destination, specific destinations, and products for each destination.

2. Show Shipment History

- View a list of all existing shipment documents and select one to display on the screen.

3. Exit Program

- Finish the program by entering 0.

Schedule Shipment:

This program allows users to schedule and track shipments. The process includes selecting the origin, area of destination, specific destinations within the area, and specifying products for each destination. After scheduling, the program tracks the shipment and allows for adjustments in case of overweight.

Steps

1. Schedule Shipment

1. Choose Origin

- Select the origin for the shipment.

2. Choose Area

- Select the area of destination.

3. Choose Destinations in the Area

- Select specific destinations within the chosen area.
- For each destination:
 - Enter the product name and its amount.
 - If you have finished supplying products to the current destination, type 0.

4. Finalize Area Selection

- If you have finished choosing destinations for the area, type 0.
- The shipment will become scheduled if:
 - You type 0 when choosing destinations.
 - You have picked every destination in the chosen area.

2. Track Shipment

1. Enter Truck Weight at Each Destination

- For each destination you have picked:
 - Enter the truck weight upon arrival.

2. Handle Overweight Scenario

- If the truck is overweight:
 - You can:
 - Change the destination.
 - Change the track.
 - Remove products from the current destination.
 - Remove the current destination from the shipment.
 - After making adjustments, reweigh the truck.

3. Proceed to Next Destination

- If there is no overweight issue, move to the next destination.
- Repeat the process until all destinations have been reached.

3. End Scenario

- Once all destinations have been reached and tracked:
 - The scenario will end.
 - You will return to the main menu.

Show Shipment History

In this scenario, the program displays a list of all the shipment documents that exist. You can then choose the shipment document you desire, and the program will display the document on the screen before returning to the main menu.

Steps

1. Display Shipment Documents List

- The program will display a list of all the shipment documents that exist on it.

2. Choose Shipment Document

- Select the shipment document that you desire from the list.

3. Display Shipment Document

- The program will display the chosen shipment document on the screen.

4. Return to Main Menu

- After displaying the document, the program will return to the main menu.