

System Guide

- This System Guide contains the following:

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.1. Introduction

This System was built for Transport Services for Businesses which rely on or want, a Transport System at their disposal for their needs. The system contains Transport Resources Management Capabilities which can be utilized, and options for Informative documenting for all that is related to transports.

.2. System Startup State

The System's Startup Initial State is:

System Admin

- .1. employeeID: 111, first name: "Cody", last name: "Weber"

Transport Managers

- .1. employeeID: 222, first name: "Naim", last name: "Elijah"
- .2. employeeID: 333, first name: "Bar", last name: "Miyara"

Shipping Area

- .1. area_number: 1, area_name: "Central District"
- .2. area_number: 2, area_name: "South District"

Sites

- .1. area_number: 1, Site Address: "Ramla", Contact_Name: "Bob Hanely", Contact_Number: 524561234
- .2. area_number: 1, Site Address: "Rishonim", Contact_Name: "Jack Graham", Contact_Number: 534872456

.3. area_number: 2, Site Address: "Ashkelon", Contact_Name: "Alice Green", Contact_Number: 553671958

.4. area_number: 2, Site Address: "Dimona", Contact_Name: "Daniel Greenberg", Contact_Number: 586457912

Trucks

.1. Truck_number: 1010, Model: "Toyota K8" , Net. Weight: 1200 , Max. Carry Weight: 100 , Truck_License: "D"

.2. Truck_number: 2020 , Model: "Hyundai R6" , Net. Weight: 1000, Max. Carry Weight: 100 , Truck_License: "C"

.3. Truck_number: 3030 , Model: "Yamaha Lite" , Net. Weight: 200, Max. Carry Weight: 20 , Truck_License: "A"

Drivers

.1. Employee ID: 444, First Name: "Tom", Last Name: "Hat", Licenses: (A, C, E)

.2. Employee ID: 555, First Name: "Xavier", Last Name: "Hernandez", Licenses: (B, D, E)

.3. Employee ID: 666, First Name: "Max", Last Name: "Turner", Licenses: (A, B, C, D, E)

Transports

.1. Transport ID: 0. Transport Status: InTransit.

departure date time: set as time of program start.

TransportTruck: Truck_number: 1010, Model: "Toyota K8", Net. Weight: 1200, Max. Carry Weight: 100, Truck_License: "D" .

TransportDriver: Employee ID: 555, First Name: "Xavier", Last Name: "Hernandez", Licenses: (B, D, E).

truck_depart_weight: 23.

Source_Site: area_number: 1, Site Address: "Ramla", Contact_Name: "Bob Hanely", Contact_Number: 524561234.

, Destination_Documents:

ItemsDocNumber: 1

Source Site: area_number: 1, Site Address: "Ramla", Contact_Name: "Bob Hanely", Contact_Number: 524561234.

Destination Site: area_number : 1, Site_Address: "Rishonim", Contact_Name: "Jack Graham", Contact_Number: 534872456.

goodItems:

ItemName: "Water" , ItemWeight: 0.5 , ItemCondition: Good} ItemAmount: 5.

ItemName: "Rice" , ItemWeight: 1 , ItemCondition: Good} ItemAmount: 10.

badItems: None.

ItemsDocNumber: 2

Source Site: area_number: 1, Site Address: "Ramla", Contact_Name: "Bob Hanely", Contact_Number: 524561234.

Destination Site: area_number : 2, Site_Address: "Dimona", Contact_Name: " Daniel Greenberg", Contact_Number: 586457912.

goodItems:

ItemName: "Shampoo" , ItemWeight: 0.75 , ItemCondition: Good ItemAmount: 10.

ItemName: "Toothpaste" , ItemWeight: 0.2 , ItemCondition: Good ItemAmount: 15.

badItems: None.

Transport problems: (no problems).

.3. System Credentials

The system, upon startup, requests an ID number, when it will enter, for each ID number, the user into a menu with action options that correspond to their authorization in the system (system administrator, transportation manager or driver).

The ID numbers for which the system, in its initial state, will enter the system, are the ID numbers of the initial users in the system listed above (see 2).

.4. System Interface Use

The System Interface is via a terminal, in which the System, upon Starting up, will prompt you:

“What would you like to do ?

(1) Log In

(2) Exit The System”

To which you can enter “1” to log in, or “2” to exit the system. Once you press 1, you can enter the id of the user to login as.

After that the system will show you an appropriate menu(with other menus nested in it's options), containing the actions that the user, with the ID you've entered, has permission to make.

The rest of the System's usage is the same, every time there is a menu in front of you, you will be able to enter a number corresponding with the choice option you want to choose in that menu. Whereas sometimes, when information is needed from you, it will prompt you to enter certain other information, for example, Strings.

.4. System Service Mapping

The system provides a variety of services, different services can be provided for each role. Mapping of the services provided for each role holder after they log in to the system, and their whereabouts in the system are conveniently mapped for user knowledge of the system's Capabilities:

System Admin

.1.1. View All Employees

.1.2. View All Managers

- .1.3. View All Drivers
- .1.4. Add a New Manager
- .1.5. Remove an Employee
- .1.6. Give a Driver a Manager's Permission Rank (Rank Promotion)
- .1.7. Disconnect

System Manager

- .1.1. Transports Options Menu
 - .1.1.1. View All Transports
 - .1.1.2. Create a Transport
 - .1.1.3. Check if a Queued Transport Can Be Sent
 - .1.1.3.1. View All Queued Transports
 - .1.1.3.2. Try Initiating a Queued Transport
 - .1.1.4. Delete a Transport
 - .1.1.5. Edit a Transport
 - .1.1.5.1. Edit a Transport's Status
 - .1.1.5.2. Edit a Transport's Problems
 - .1.1.5.2.1. Add a Problem to a Transport
 - .1.1.5.2.2. Remove a Problem from a Transport
 - .1.1.5.3. Edit a Transport's Sites
 - .1.1.5.3.1. Create and Add a New Site's Items Document to a Transport
 - .1.1.5.3.2. Delete a Site's Items Document from a Transport
 - .1.1.5.3.3. Edit a Transport's Site's Items Document ID
 - .1.1.5.3.4. Set a Site's Arrival order in it's Transport

.1.1.5.4. Edit a Transport's Items

.1.1.5.4.1. Add an Item to a Transport

.1.1.5.4.2. Remove an Item from a Transport

.1.1.5.4.3. Set the condition of an Item in a Transport

.1.1.5.5. Edit a Transport's Driver/Truck

.1.1.5.5.1. Set a Transport's Truck

.1.1.5.5.2. Set a Transport's Driver

.1.2. Shipping Areas Options Menu

.1.2.1. View All Shipping Areas

.1.2.2. Add a Shipping Area

.1.2.3. Edit a Shipping Area's Details

.1.2.3.1. Area Number

.1.2.3.2. Area Name

.1.2.4. Delete a Shipping Area

.1.3. Sites Options Menu

.1.3.1. View All Sites

.1.3.2. Add a Site

.1.3.3. Edit a Site's Details

.1.3.3.1 Site Area Number

.1.3.3.2. Site Address String

.1.3.3.3. Site Contact Name

.1.3.3.4. Site Contact Number

.1.3.4. Delete a Site

.1.4. Employees Options Menu

.1.4.1. View All Employees

.1.4.2. View All Managers

.1.4.3. View All Drivers

.1.4.4. Add a Driver

.1.4.5. Delete a Driver

.1.4.6. Edit a Driver's Details

.1.4.6.1. Add a License to a Driver

.1.4.6.2. remove a License from a Driver

.1.4.6.3. Set The Driver's Permission's Rank to Manager Rank (Rank Promotion)

.1.5. Trucks Options Menu

.1.5.1. View All Trucks

.1.5.2. Add a Truck

.1.5.3. Delete a Truck

.1.6. Disconnect (And go back to Authentication)

Driver

.1.1. View My Details

.1.1. View All Transports Related to me (all Statuses)

.1.1. Edit an Item's Condition in a Transport that I'm a Driver in