| **Step** | **Action** | **Input** | **Expected Output** |
| --- | --- | --- | --- |
| 1 | Start program |  |  |
| 2 | Initial login | Username: Admin  Password: 123 | "Login successful" |
| 3 | Add user | Choose an option: 1  Enter new username: Tal  Enter password: 123  Enter role (SystemManager / transportationManager / Driver): transportationManager | "User added successfully" |
| 4 | Logout | Choose an option: 3 | "Logout successful" |
| 5 | Login as Tal | Username: Tal  Password: 123 | "Login successful"  And transportationManager menu |
| 6 | Logout | Choose an option: 23 | "Logout successful" |
| 7 | login | Username: Admin  Password: 123 | "Login successful" |
| 8 | |  | | --- | | Add same user again |  |  | | --- | |  |  |  | | --- | |  | | Username: Tal  Password: 123  Enter role (SystemManager / transportationManager / Driver): transportationManager | "User already exists" |
| 9 | |  | | --- | |  | |  |  |  | | --- | | Delete user |  |  | | --- | |  |  |  | | --- | |  | | |  | | --- | |  |   Enter username to delete: Tal | |  | | --- | |  |   "User deleted successfully" |
| 10 | Logout | Choose an option: 3 | "Logout successful" |
| 11 | Login attempt | Username: Tal  Password: 123 | "Invalid username or password" |

| **Step** | **Action** | **Input** | **Expected Output** |
| --- | --- | --- | --- |
| 1 | Start program |  |  |
| 2 | Initial login | Username: Admin Password: 123 | "Login successful" |
| 3 | Add Transportation Manager | Choose an option: 1 Username: Tal Password: 111 Role: transportationManager | "User added successfully" |
| 4 | Logout | Choose an option: 3 | "Logout successful" |
| 5 | Login as Tal | Username: Tal Password: 111 | "Login successful" and transportationManager menu appears |
| 6 | Add Driver | Choose an option: 1 Username: Tom Password: 555 license type (A/B/C/D/E): A | "Driver added with Name: Tom, License Type: A" |
| 7 | Add Truck | Choose an option: 2  Enter plate number: 12345  Enter model: bmw  Enter net weight: 12  Enter max weight: 200  Enter license type (A/B/C/D/E): A | " Truck added with plate number 12345, License Type: A " |
| 8 | Create Shipment Area | Choose an option: 3  Enter shipment area ID: 1  Enter shipment area name: South Area | " Shipment area created with ID 1 and name South Area " |
| 9 | Add Site 1 to Shipment Area | Choose an option: 20  Enter site name: Beersheba  Enter address: Main Street 10  Enter phone number: 08-1234567  Enter contact person name: Ido  Enter shipment area ID: 1 | " Site added with Name: Beersheba " |
| 10 | Add Site 2 to Shipment Area | Choose an option: 20  Enter site name: Ashdod  Enter address: Port Street 5  Enter phone number: 08-7654321  Enter contact person name: Yosi  Enter shipment area ID: 1 | "Site added with Name: Ashdod |
| 11 | Create Transportation Task | Choose an option: 5  Enter transportation ID: 1  Enter date (e.g., 2025-05-01): 2025-05-01  Enter departure time (e.g., 08:00): 08:00  Enter truck plate number: 12345  Enter driver Name: Tom  Enter origin site name: Beersheba  Enter origin site shipment area ID: 1 | " Transportation created with ID 1, Date: 2025-05-01, Departure Time: 08:00, Truck Plate Number: 12345, Driver name: Tom " |
| 12 | add Items Document | Choose an option: 13  Enter transportation ID: 1  Enter ItemsDocument ID: 1  Enter destination site name: Ashdod  Enter destination site shipment area ID: 1  Enter item id: 1  Enter item name: milk  Enter item quantity: 2  Enter item weight: 12  Done? (yes/no): no  Enter item id: 2  Enter item name: bread  Enter item quantity: 4  Enter item weight: 11  Done? (yes/no): yes | " Items added to transportation ID 1 " |
| 13 | Display transportation document | Enter transportation ID: 1  Transportation ID: 1 | Date: 2025-05-01  Departure Time: 08:00  Truck Plate Number: 12345  Driver name: Tom  Accident Report: No accidents reported  Origin: Beersheba  Items Document:  Items Document:  Destination: Ashdod  Items:  milk - 2  bread - 4 |

| **Step** | **Action** | **Input** | **Expected Output** |
| --- | --- | --- | --- |
| 1 | Start program |  |  |
| 2 | Initial login | Username: Admin Password: 123 | "Login successful" |
| 3 | Add Transportation Manager | Choose an option: 1 Username: Tal Password: 111 Role: transportationManager | "User added successfully" |
| 4 | Logout | Choose an option: 3 | "Logout successful" |
| 5 | Login as Transportation Manager (Tal) | Username: Tal Password: 111 | "Login successful" and transportationManager menu appears |
| 6 | Add Driver | Choose an option: 1 Username: Tom Password: 555 license type (A/B/C/D/E): A | "Driver added with Name: Tom, License Type: A" |
| 7 | Add Truck | Choose an option: 2  Enter plate number: 12345  Enter model: bmw  Enter net weight: 12  Enter max weight: 200  Enter license type (A/B/C/D/E): A | " Truck added with plate number 12345, License Type: A " |
| 8 | Add Driver | Choose an option: 1  Enter driver name: Moshe  Enter password: 2222  Enter license type (A/B/C/D/E): D | "Driver added with Name: Moshe, License Type: D" |
| 9 | Add Driver | Choose an option: 1 Username: Tom Password: 555 license type (A/B/C/D/E): A | "Driver with name Tom already exists" |
| 10 | Remove driver | Enter driver name to remove: Tom | "Driver with username Tom removed." |
| 11 | Add Truck | Choose an option: 2  Enter plate number: 1234  Enter model: volvo  Enter net weight: 13  Enter max weight: 300  Enter license type (A/B/C/D/E): B | " Truck added with plate number 1234, License Type: B" |
| 12 | Remove truck | Choose an option: 21  Enter truck plate number to remove: 1234 | "Truck with plate number 1234 removed." |
| 13 | Add Truck | Choose an option: 2  Enter plate number: 4321  Enter model: reno  Enter net weight: 55  Enter max weight: 900  Enter license type (A/B/C/D/E): E | "Truck added with plate number 4321, License Type: E" |
| 14 | Display trucks | Choose an option: 17 | Truck{plateNumber='4321', model='reno', netWeight=55, maxWeight=900, licenseType=E}  Truck{plateNumber='12345', model='bmw', netWeight=12, maxWeight=200, licenseType=A} |
| 15 | Display drivers | Choose an option: 18 | Driver{name='Moshe', licenseType=D, occupied=false} |