

# Cargo Tracking Application User Guide



Skydoves is a delivery tracking and customer management application that uses drones for shipments. This desktop software, developed in Java, aims to simplify package and customer operations. The application contains various buttons that allow you to perform different functions. Below, we explain what these buttons do and how to use them in a way that is easy for students to understand.

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## 1. Add Customer:



**Description:** Click this button to add a new customer. The application will open a form where you can enter the new customer's details. After filling in fields such as the customer's first and last name, the customer will be registered.**Relevant Method:** addCustomerDialog()

- **Step 1:** When you click this button, a form will open where you can enter the customer details.
- **Step 2:** After completing the form, click the "**Save**" button to finalize the customer registration.

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## 2. Add Shipment:



**Description:** Click this button to add a new shipment. The shipment form will include information such as sender, recipient, shipment type, and delivery address.**Relevant Method:** addShipmentDialog()

- **Step 1:** Click this button to input shipment details.
  - **Step 2:** After completing all fields in the shipment form, click "Save" to add the shipment to the system.
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### 3. View All Customers:



**Description:** Click this button to view all customers in the system. The application will display the customer list on the screen.

**Relevant Method:** viewAllCustomers()

- **Step 1:** You can view all customer information by clicking this button.
  - **Step 2:** The displayed customer list will show customer names, contact information, and other details.
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### 4. View Customer History:

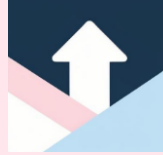


**Description:** Click this button to view the past shipments of a selected customer. This will display all shipment history for a specific customer on the screen.**Relevant Method:** viewCustomerHistory()

- **Step 1:** Select a customer from the customer list.

- **Step 2:** The past shipments of the selected customer will be displayed on the screen.
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## 5. Update Shipment Status:



**Description:** Click this button to update the current status of a shipment. The status of a shipment (e.g., "Delivered", "Pending") can be updated.**Relevant Method:** updateShipmentStatus()

- **Step 1:** Select the shipment you want to update.
  - **Step 2:** Choose the shipment status (e.g., "Delivered" or "Pending").
  - **Step 3:** Save the updated status.
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## 6. Check Shipment Status:



**Description:** Click this button to check the status of a specific shipment. The current status of the shipment will be displayed to the user.

**Relevant Method:** checkShipmentStatus()

- **Step 1:** Aramak istediğiniz gönderi numarasını girin.
  - **Step 2:** Sistem, ilgili gönderinin kargo durumunu ekranda gösterecektir.
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## 7. Search Shipment:



**Description:** Click this button to search for a shipment by its number. All details of the corresponding shipment will be displayed on the screen.

**Relevant Method:** searchShipment()

- **Step 1:** Enter the shipment number.
  - **Step 2:** The shipment details will be displayed on the screen as a result of the search.
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## 8. Delete Shipment:



**Description:** Click this button to delete a shipment from the system. You can select and confirm the shipment you want to delete.

**Relevant Method:** deleteShipment()

- **Adim 1:** Select the shipment you want to delete.
  - **Adim 2:** Click the "**Delete**" button to remove the shipment from the system.
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## 9 View All Shipments:



**Description:** Click this button to view all shipments in the system. The shipment list will be displayed on the screen.

**Relevant Method:** listAllShipments()

- **Step 1:** When you click this button, all shipment details will be listed on the screen.

- **Step 2:** On the screen, you can view information such as the shipment number, recipient's name, and shipment status.
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## 10. Sort Shipments by Delivery Time:



**Description:** Click this button to sort shipments by delivery times. Shipments will be sorted from shortest to longest delivery time.

**Relevant Method:** `sortShipmentsByDeliveryTime()`

- **Step 1:** The shipment list sorted by delivery times will be displayed on the screen.
  - **Step 2:** The shipment order will be arranged by delivery times.
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## 11. Delivery Route Tree Diagram:



**Description:** Click this button to view the delivery routes of shipments in a visual tree diagram. The delivery routes will be visually displayed on the screen.**Relevant Method:** `showDeliveryRoute()`

- **Step 1:** Click this button to view the delivery routes.
  - **Step 2:** A tree diagram of the delivery routes will be displayed on the screen, allowing users to see the path the shipments will follow.
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## 12. Gönderi Rotasını Yazdır:



**Description:** Click this button to print the route of a selected shipment. The delivery route for the shipment can be printed. **Relevant Method:**  
`printRoutesFromShipments()`

- **Step 1:** Select the shipment whose route you want to print.
  - **Step 2:** The printing process for the shipment route will begin.
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### Conclusion:

With this guide, you can easily learn what each button in the Skydoves application does and how to use them efficiently. You will be able to perform every task step by step, from adding customers to updating shipment statuses, searching for packages, and examining delivery routes. Additionally, tracking packages and observing drone deliveries will become more efficient, and printing necessary outputs is made simple!