

Project Title: Excel-VBA Delivery Scheduling Assistant

[Ideal for businesses or individuals looking to optimize their delivery scheduling process with Excel and VBA automation]

Subtitle: *An Automated Solution for Delivery Management*

Overview

The Excel-VBA Delivery Scheduling Assistant is a tool designed to streamline the process of managing deliveries, allocating vehicles, and assigning drivers efficiently. This project leverages Excel and VBA (Visual Basic for Applications) to automate scheduling tasks and improve logistics planning.

Features:

- Automated trip allocations for deliveries.
- Management of customer, driver, and vehicle information.
- Real-time scheduling updates.
- VBA-powered macros for automation.
- Data-driven insights through summary statistics.

File Contents:

The Excel file consists of multiple sheets, each serving a specific function:

1. **Summary:** Displays an overview of trips, allocations, and key statistics.
2. **Trips:** Logs all delivery trips, including destinations and status.
3. **Allocations:** Manages the assignment of vehicles and drivers to trips.
4. **Customers:** Stores customer details for reference and logistics planning.
5. **Drivers:** Maintains driver information such as availability and assignments.
6. **Vehicles:** Tracks vehicles used in the delivery process.
7. **Items:** Lists items that are scheduled for delivery.

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Usage Instructions:

1. Open the Excel file and enable macros.
2. Navigate through the sheets to input relevant data.
3. Use automated VBA buttons/macros to allocate trips efficiently.
4. Review the Summary sheet for insights and adjustments.

Summary Sheet Overview

- Displays a structured **trip details** and **customer details** section.
- Includes fields like **Trip ID, Vehicle ID, Driver ID, Registration No, and Total Weight**.
- The **Commands panel** on the right provides quick actions for updating trips, calculating total weight, and generating reports.

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Customer ID Update Prompt

- When clicking **"Update Trip"**, the system prompts the user to enter a **Customer ID**.
- This ensures the correct customer's details are being modified in the scheduling system.

[illegible]

Trip ID Input for Updates

- Another prompt appears asking the user to **enter the Trip ID** they want to modify.
- Ensures accurate trip details are being adjusted

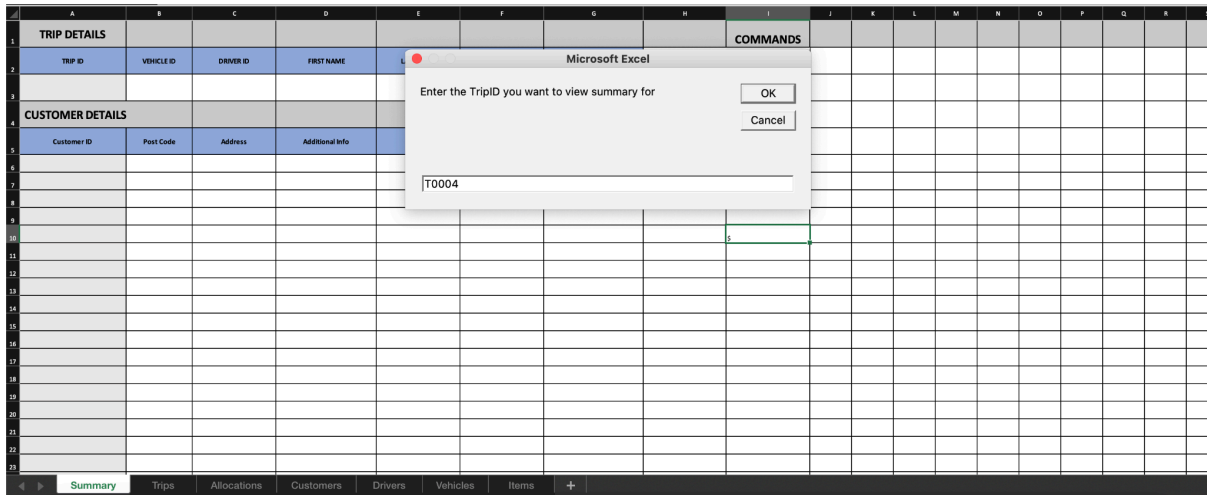
Total Weight Calculation

- After entering trip details, the system automatically calculates and displays the **total weight of the trip**.
- A popup confirms the calculated weight

[illegible]

Trip Summary Generation

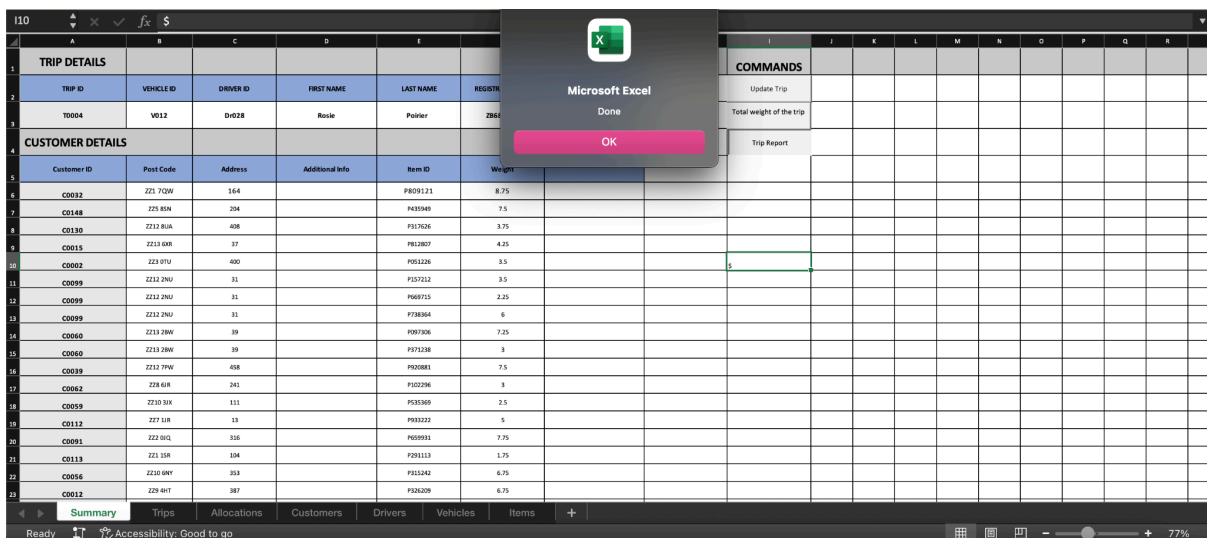
- Users can generate a **trip summary report** by entering a Trip ID.
- The system pulls all associated details from the database.



The screenshot shows a Microsoft Excel spreadsheet with a dialog box open. The dialog box is titled "Microsoft Excel" and contains the text "Enter the TripID you want to view summary for". Below the text is a text input field containing "T0004". There are "OK" and "Cancel" buttons at the top right of the dialog box. The spreadsheet in the background has columns labeled A through S and rows 1 through 23. The "TRIP DETAILS" section is visible, with columns for TRIP ID, VEHICLE ID, DRIVER ID, and FIRST NAME. The "CUSTOMER DETAILS" section is also visible, with columns for Customer ID, Post Code, Address, and Additional Info. The "COMMANDS" section is visible on the right, with columns for Update Trip, Total weight of the trip, and Trip Report. The status bar at the bottom shows "Summary" and "Trips" tabs.

Final Process Completion Message

- A confirmation popup appears saying "**Done**", indicating that all updates were successfully processed.
- The summary sheet reflects the updated trip assignment



The screenshot shows a Microsoft Excel spreadsheet with a "Done" confirmation message displayed in the center. The message is a dark gray box with a green "X" icon and the text "Microsoft Excel Done". Below the text is a pink "OK" button. The spreadsheet in the background has columns labeled A through S and rows 1 through 23. The "TRIP DETAILS" section is visible, with columns for TRIP ID, VEHICLE ID, DRIVER ID, FIRST NAME, LAST NAME, and REGISTERED. The "CUSTOMER DETAILS" section is also visible, with columns for Customer ID, Post Code, Address, Additional Info, Item ID, and Weight. The "COMMANDS" section is visible on the right, with columns for Update Trip, Total weight of the trip, and Trip Report. The status bar at the bottom shows "Summary" and "Trips" tabs. The status bar also displays "Ready" and "Accessibility: Good to go".

Updated Trip and Customer Details

- After processing, the **trip details and customer list** are updated.
- Displays assigned **driver, vehicle, customer locations, and item weights**.

	A	B	C	D	E	F	G
1	TRIP DETAILS						
2	TRIP ID	VEHICLE ID	DRIVER ID	FIRST NAME	LAST NAME	REGISTRATION NO	TOTAL WEIGHT
3	T0004	V012	Dr028	Rosie	Poirier	ZB68 UWA	105.25
4	CUSTOMER DETAILS						
5	Customer ID	Post Code	Address	Additional Info	Item ID	Weight	
6	C0032	ZZ1 7QW	164		P809121	8.75	
7	C0148	ZZ5 8SN	204		P435949	7.5	
8	C0130	ZZ12 8UA	408		P317626	3.75	
9	C0015	ZZ13 6XR	37		P812807	4.25	
10	C0002	ZZ3 OTU	400		P051226	3.5	
11	C0099	ZZ12 2NU	31		P157212	3.5	
12	C0099	ZZ12 2NU	31		P669715	2.25	
13	C0099	ZZ12 2NU	31		P738364	6	
14	C0060	ZZ13 2BW	39		P097306	7.25	
15	C0060	ZZ13 2BW	39		P371238	3	
16	C0039	ZZ12 7PW	458		P920881	7.5	
17	C0062	ZZ8 6JR	241		P102296	3	
18	C0059	ZZ10 3JX	111		P535369	2.5	
19	C0112	ZZ7 1JR	13		P933222	5	
20	C0091	ZZ2 0JQ	316		P659931	7.75	
21	C0113	ZZ1 1SR	104		P291113	1.75	
22	C0056	ZZ10 6NY	353		P315242	6.75	
23	C0012	ZZ9 4HT	387		P326209	6.75	
	Summary	Trips	Allocations	Customers	Drivers	Vehicles	Items

