



# **Kahawa Coffee**

**User Manual**

# Understanding the Layout

The Kahawa Coffee ordering program is designed to be simple and flexible to use. Refer to Figure 1 for a visual guide of the programs layout.

The screenshot shows a window titled "Kahawa Coffee". The interface is divided into several sections:

- 1. Output window:** A large rectangular area on the left side of the window, labeled "Output:" at the top left. It is currently empty.
- 2. Coffee Selection Panel:** A panel on the right side containing a "Type:" label followed by two columns of radio button options:
  - Arabica: Ethiopian, Arabica: Kenyan, Arabica: Rwandan, Arabica: Zimbabwean
  - Robusta: Ethiopian, Robusta: Kenyan, Robusta: Rwandan, Robusta: Zimbabwean
  - Liberica: Ethiopian, Liberica: Kenyan, Liberica: Rwandan, Liberica: Zimbabwean, Liberica: Chad
  - Excelsa: Ethiopian, Excelsa: Kenyan, Excelsa: Rwandan
- 3. Customer Details:** A panel below the coffee selection panel, containing:
  - A "Delivery:" checkbox.
  - Input fields for "Customer Name:", "Customer Phone Number:", and "Customer Address:". The phone number and address fields have a placeholder text "Only when order is for delivery".
- 4. Program Actions:** A panel at the bottom right containing three buttons: "Quit", "Reset", and "Submit".

Additional controls include a "Strength:" slider and a "Ground:" checkbox, both located between the coffee selection and customer details panels. An "Amount:" input field with a unit of "kg" and an "Add" button are located below the strength slider.

**1. Output window.** *This is where the program displays a live feed of the current order*

**2. Coffee Selection Panel.** *This is where you can add coffee to the order*

**3. Customer Details.** *This is where you add the customers details*

**4. Program Actions.** *These are used to submit the order, quit the program etc...*

# The Order process

Completing an order is an easy and straightforward process.

**Begin by adding coffee to the order.** This can be achieved as follows:

1. *Select the type of coffee using the radio buttons*
2. *Adjust the strength of the coffee using the 'Strength' slider*
3. *If the customer wishes for the coffee to be ground, select the checkbox, otherwise leave it unchecked*
4. *Input the amount of coffee into the 'Amount' text field.*
5. *To add the coffee to the order, click the 'Add' button*

The screenshot shows a form for adding coffee to an order. It includes a 'Type' section with radio buttons for various coffee varieties (Arabica, Robusta, Liberica, Excelsa) from different countries (Ethiopian, Kenyan, Rwandan, Zimbabwean, Chad). A 'Strength' slider is set to 2. A 'Ground' checkbox is checked. The 'Amount' text field contains '4.35kg'. An 'Add' button is at the bottom right. Red numbers 1 through 5 are overlaid on the form to correspond with the numbered steps in the list to the left.

**Note:** The maximum allowed amount of coffee for each order is 5kg. If this value is exceeded, the program will alert you instead of adding the coffee to the order.

If the customer wants to add more coffee, or a different type of coffee later on in the order simply repeat the above process again.

As you add coffee to the order, the coffee selections and their individual costs will appear in the Output window.

## Current Order:

Type: Robusta: Ethiopian | Grounded: Yes | Strength: 2 | Amount: 3.5kg | Cost: \$99.75  
 Type: Arabica: Rwandan | Grounded: No | Strength: 4 | Amount: 1.5kg | Cost: \$42.75

**Then fill out the customers details in the fields provided.**

Several thing to note are:

- *The phone number and address are only required if the order is going to be for delivery, so those fields will be disabled if the 'Delivery' checkbox is not checked.*
- *The phone number, street number and post code must be whole integers. eg: 123, not abc or 12.3. If any of these fields contain anything that is not an integer, the program will alert you when you try to submit the order*
- *A \$5 delivery charge will be added if the order is for delivery. This will be added when the order is submitted*

Delivery: ☒

Customer Name:

Customer Phone Number:

Customer Address:

**To submit the order simply click on the 'Submit' button.**

The program will check the following:

- *Coffee has been added to the order*
- *All required fields have been filled out*
- *There aren't any invalid characters in the Phone Number, Street Number and / or Street Post Code*

If everything checks out, the program will then save the order and show the order, and all previous orders in the Output window.

```
Past Orders:

Name: John Smith; Phone Number: 123456789;
Address:
  77
  Hukanui Road
  3210
Coffee Ordered: Type: Robusta: Ethiopian | Grounded: Yes | Strength: 2
| Amount: 3.5kg | Cost: $99.75,
Type: Arabica: Rwandan | Grounded: No | Strength: 4 | Amount: 1.5kg |
Cost: $42.75,
Total Cost: $147.5 | Delivery: Yes | Delivery Charge: $5
```

**The program also has the ability to reset the entire order if necessary.** This can be easily achieved by clicking on the 'Reset' button.

The program will ask for you to confirm whether you want to reset or not. This is to prevent data being cleared from accidental clicks of this button.

Only the current order will be cleared, all past orders will remain saved in the program.



**To quit the program simply click on the 'Quit' button.**

This will clear *all* data, including past orders and the program will close.



**QWERTYGROUP**

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