UNIVERSITI TEKNOLOGI MARA

UNIVERSITY TEKNOLOGI MARA (UITM) KEDAH,

KAMPUS SUNGAI PETANI

SCHOOL OF INFORMATION SCIENCE

COLLEGE OF COMPUTING, INFORMATICS AND MATHEMATICS

DIPLOMA IN INFORMATICS LIBRARY [CDIM144]

IML208 - PROGRAMMING FOR LIBRARIES

INDIVIDUAL ASSIGNMENT: WEBSITE

PREPARED BY:

NAME	STUDENT ID
SITI RABIA'ATUL ADAWIYAH BINTI ISMAIL	2023822892

GROUP: KCDIM144 3B

PREPARED FOR:

SIR MOHD FIRDAUS MOHD HELMI

SUBMISSION DATE:

16 DECEMBER 2024

GROUP ASSIGNMENT: WEBSITE

SITI RABIA'ATUL ADAWIYAH BINTI ISMAIL

2023822892

KDCIM1442B

UNIVERSITI TEKNOLOGI MARA (UiTM) KEDAH, KAMPUS SUNGAI PETANI

SCHOOL OF INFORMATION SCIENCE

COLLEGE OF COMPUTING, INFORMATICS AND MATHEMATICS

DIPLOMA IN LIBRARY INFORMATICS

WEEK 10

ACKNOWLEDGMENT

I would like to express my profound gratitude to everyone involved in this project for its successful completion.

Special appreciation goes to Sir Mohd Firdaus Mohd Helmi for their inspiring guidance, constructive feedback, and unwavering support throughout this journey. Their views have contributed greatly to the trajectory and success of this assignment.

My sincere appreciation extends to encouragement and camaraderie availed to me by my mates and colleagues who shared insights and motivation in this venture.

Last but certainly not least, I gratefully extend my thanks to my family and friends for their patience, understanding, as well as never-ending motivation that keep inspiring and fortifying me throughout this entire process.

…….

NAME: SITI RABIA'ATUL ADAWIYAH BINTI ISMAIL

STUDENT ID: 20203478586

CLASS: CDIM144 3B

STUDENT PLEDGE OF ACADEMIC INTEGRITY

As a student of Universiti Teknologi MARA (UiTM), it is my responsibility to act in accordance with UiTM's academic assessment and evaluation policy. I hereby pledge to act and uphold academic integrity and pursue scholarly activities in UiTM with honesty and responsible manner. I will not engage or tolerate acts of academic dishonesty, academic misconduct, or academic fraud including but not limited to:

a. **Cheating**: Using or attempt to use any unauthorized device, assistance, sources, practice or materials while completing academic assessments. This include but not limited to copying from another, allowing others to copy, unauthorized collaboration on an assignment or open book tests, or engaging in any act or conduct that can be construed as cheating.

b. **Plagiarism**: Using or attempts to use the work of others (ideas, design, words, art, music, etc.) without acknowledging the source; using or purchasing materials prepared by another person or agency or engaging in other behavior that a reasonable person would consider as plagiarism.

c. **Fabrication**: Falsifying data, information, or citations in any academic assessment and evaluation.

d. Deception: Providing false information with intend to deceive an instructor concerning any academic assessment and evaluation.

e. **Furnishing false information**: Providing false information or false representation to any UiTM official, instructor, or office.

With this pledge, I am fully aware that I am obliged to conduct myself with utmost honesty and integrity. I fully understand that disciplinary action can be taken against me if I, in any manner, violate this pledge.

…….

NAME: SITI RABIA'ATUL ADAWIYAH BINTI ISMAIL

MATRIC NUMBER: 2023822892

COURSE CODE: IML 208

PROGRAMME CODE: CDIM 144

FACULTY/ CAMPUS:	SCHOOL OF INFORMATION SCIENCE COLLEGE OF COMPUTING, INFORMATICS AND MATHEMATICS

*Students are required to sign one pledge for each course taken.

Bahagian Pentaksiran dan Penilaian Akademik 2021

TABLE OF CONTENTS

PROJECT NAME:

Fried Chicken Booking System

FILE NAME:

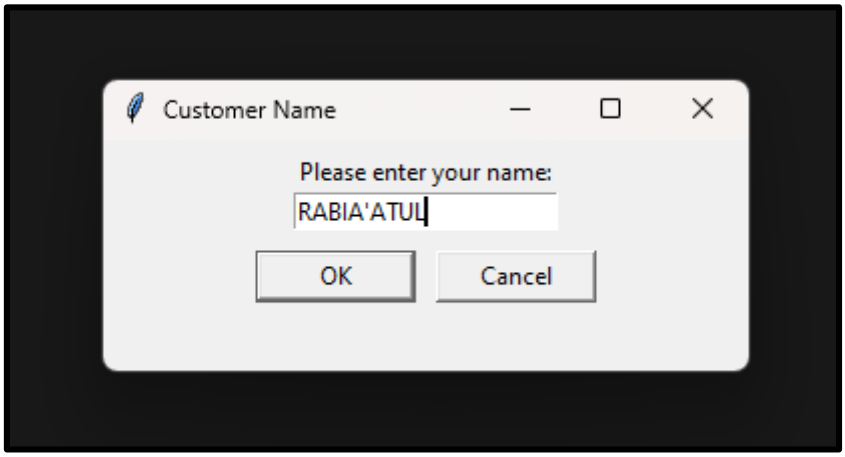
individual.py

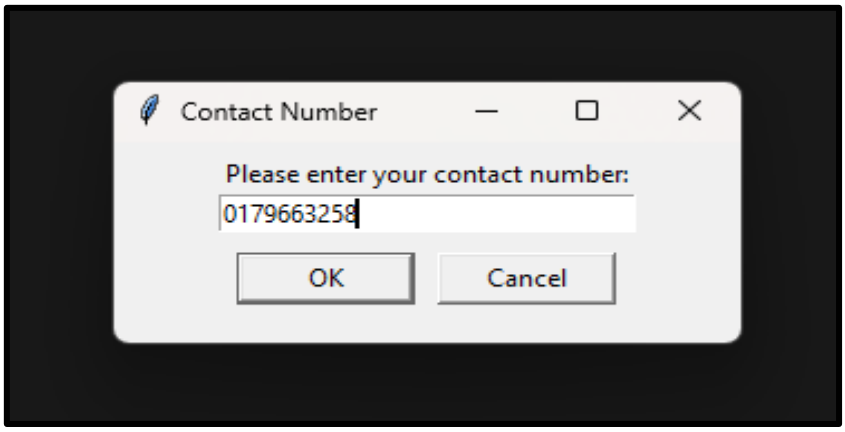
PROMPT DATA :

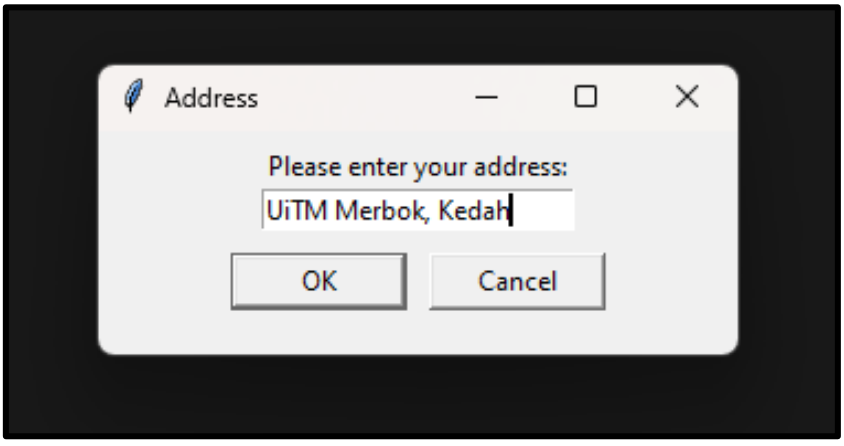
I. Name
II. Contact number
III. Address
IV. Menu
V. Spicy level
VI. Quantity
VII. Order type
VIII. Other information added
IX. Coupon code
X. Payment method
XI. Pick up time

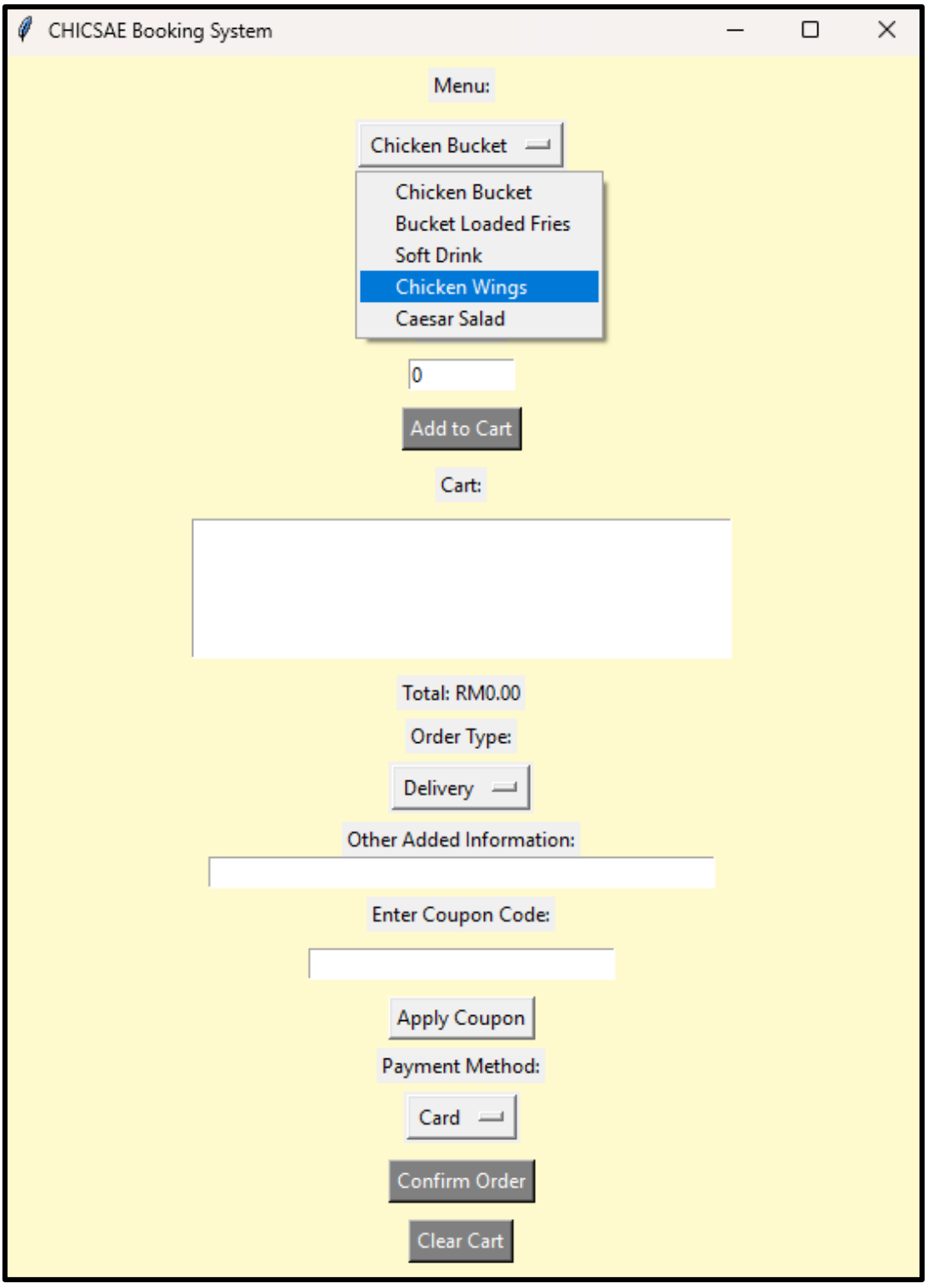
FUNCTION :

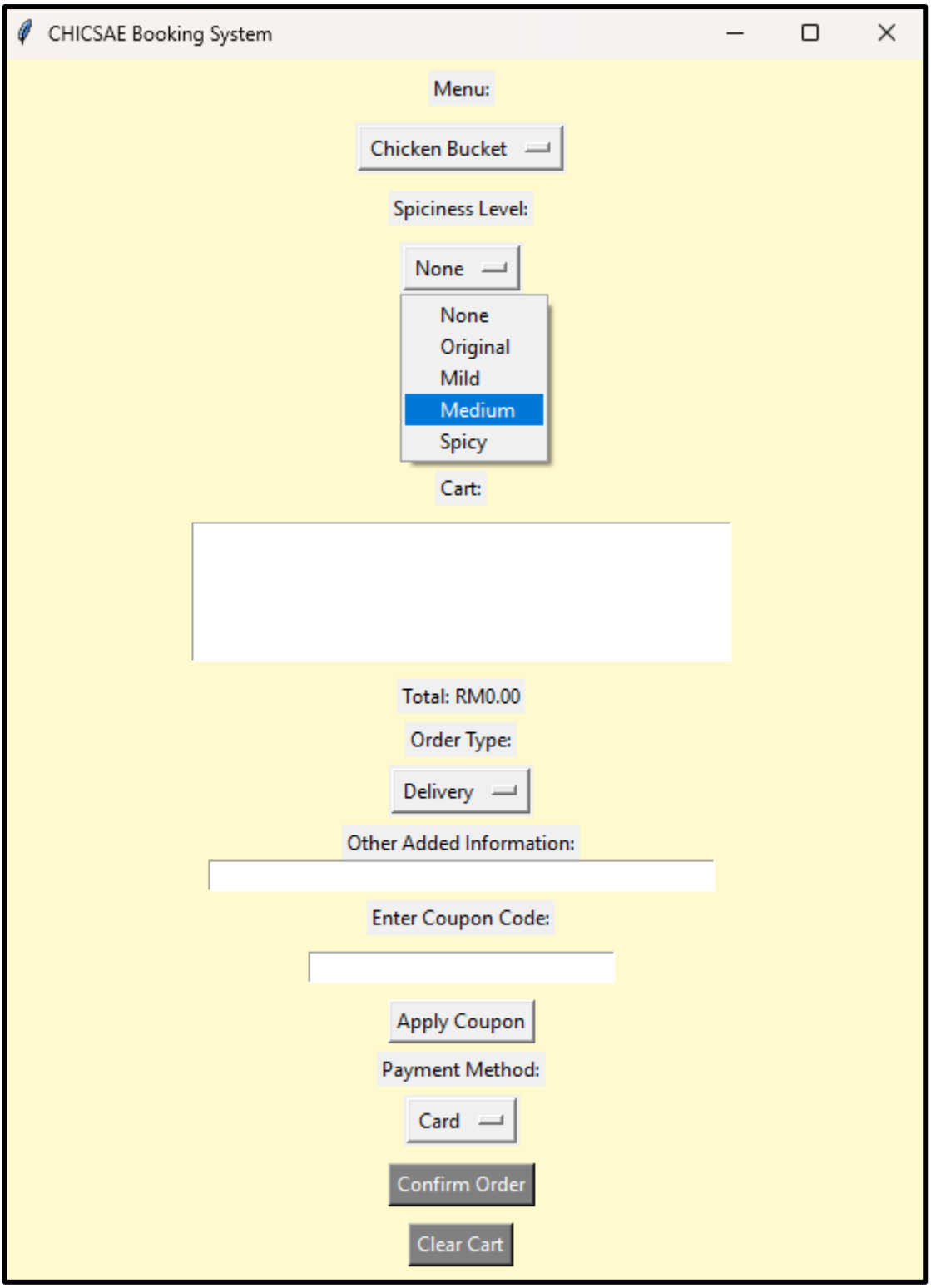
i. Create data

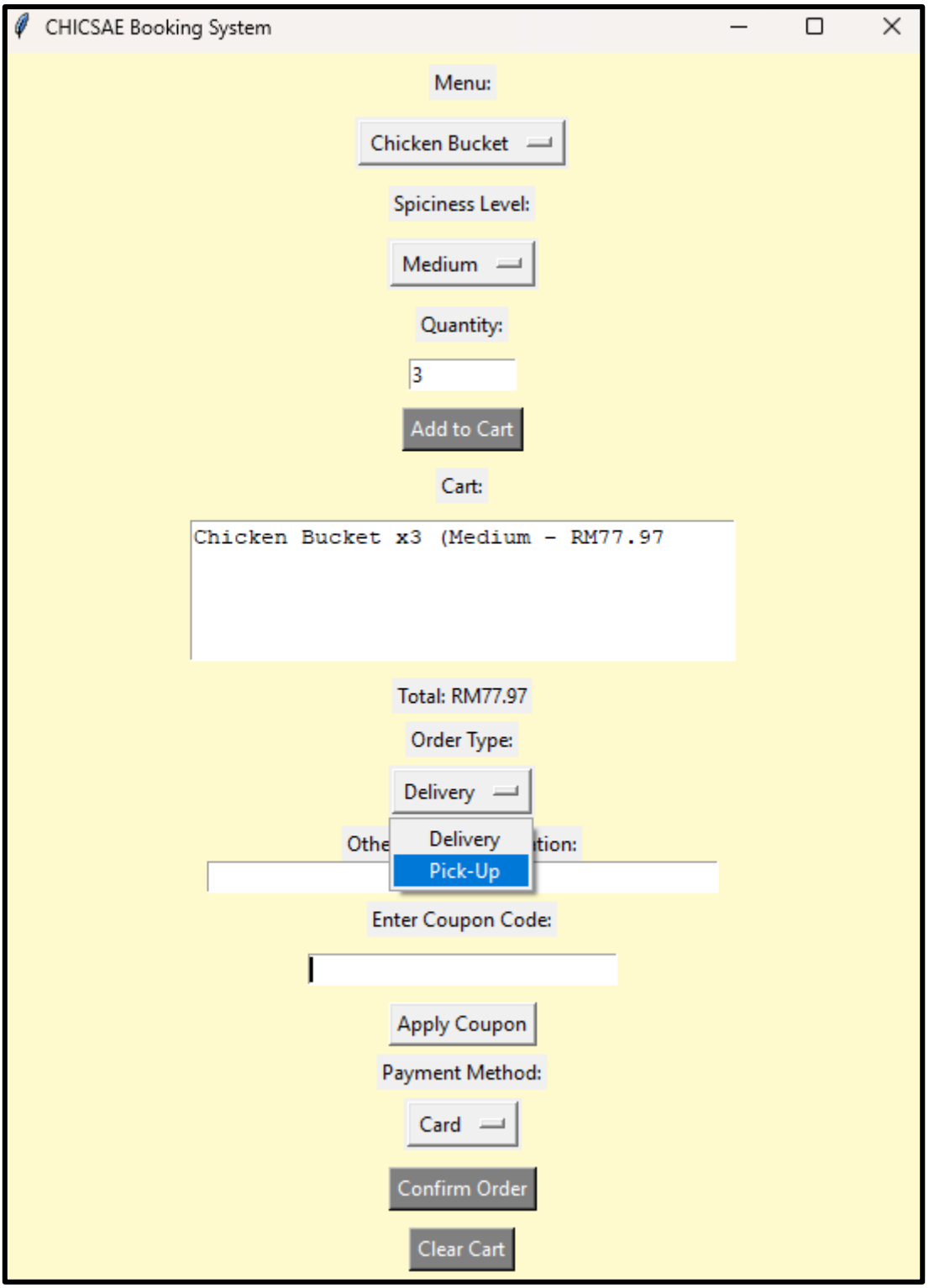


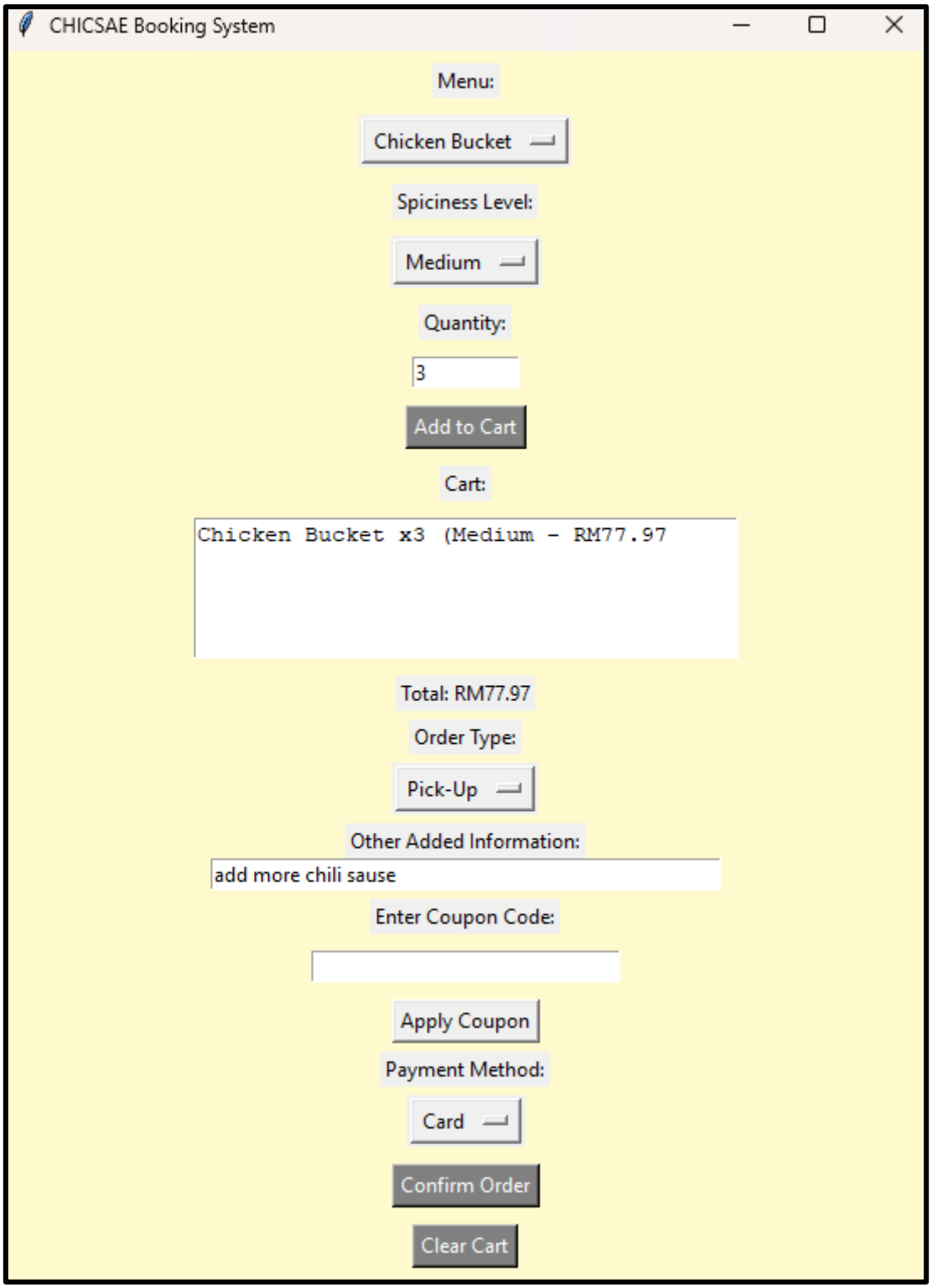


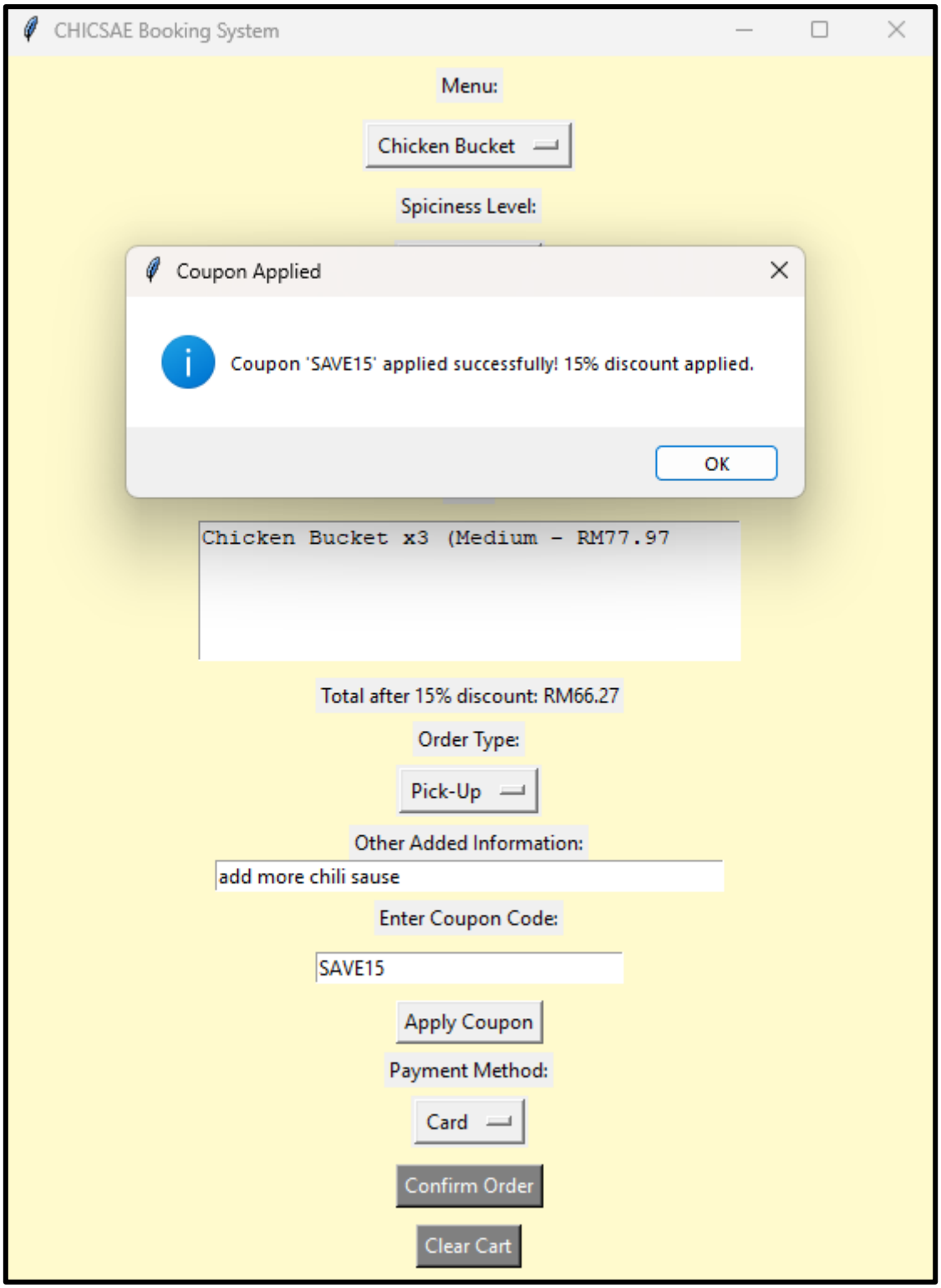


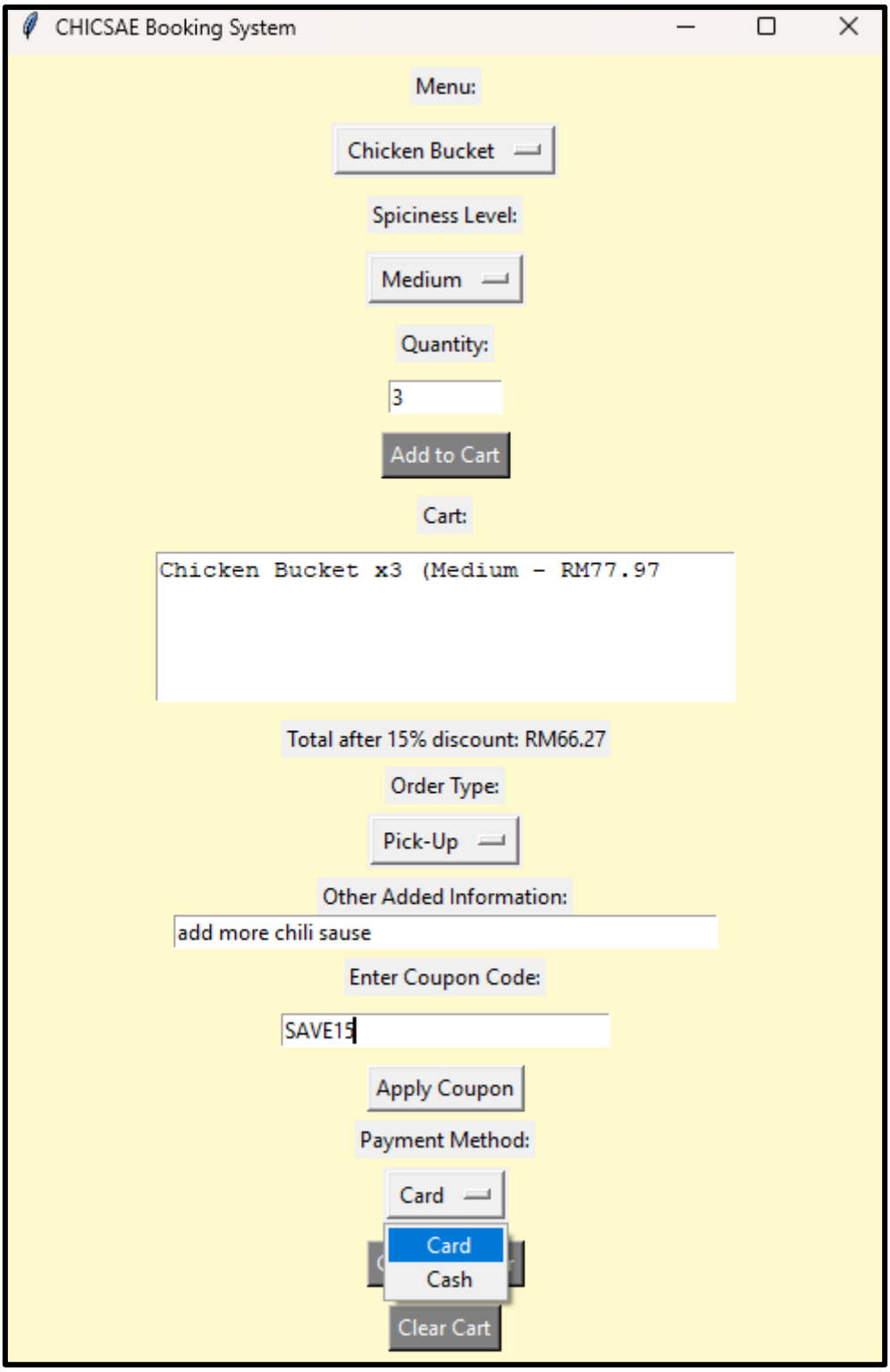

CHICSAE Booking System
Menu:
Chicken Bucket
Chicken Bucket
Bucket Loaded Fries
Soft Drink
Chicken Wings
Caesar Salad
0
Add to Cart
Cart:
Total: RM0.00
Order Type:
Delivery
Other Added Information:
Enter Coupon Code:
Apply Coupon
Payment Method:
Card
Confirm Order
Clear Cart

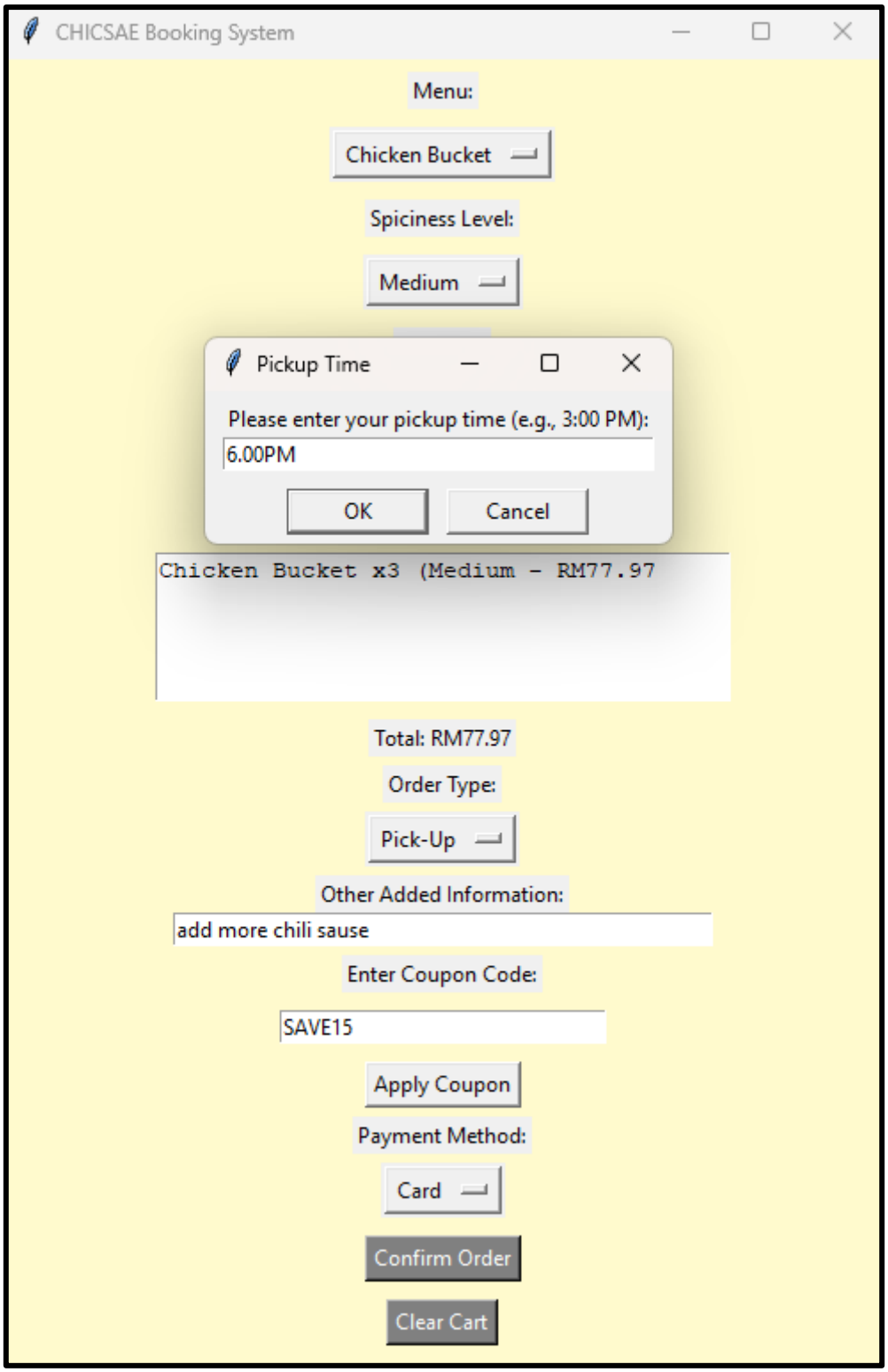

CHICSAE Booking System
Menu:
Chicken Bucket
Spiciness Level:
None
None
Original
Mild
Medium
Spicy
Cart:
Total: RM0.00
Order Type:
Delivery
Other Added Information:
Enter Coupon Code:
Apply Coupon
Payment Method:
Card
Confirm Order
Clear Cart


CHICSAE Booking System
Menu:
Chicken Bucket
Spiciness Level:
Medium
Quantity:
3
Add to Cart
Cart:
Chicken Bucket x3 (Medium - RM77.97
Total: RM77.97
Order Type:
Delivery
Delivery
Pick-Up
Enter Coupon Code:
Apply Coupon
Payment Method:
Card
Confirm Order
Clear Cart

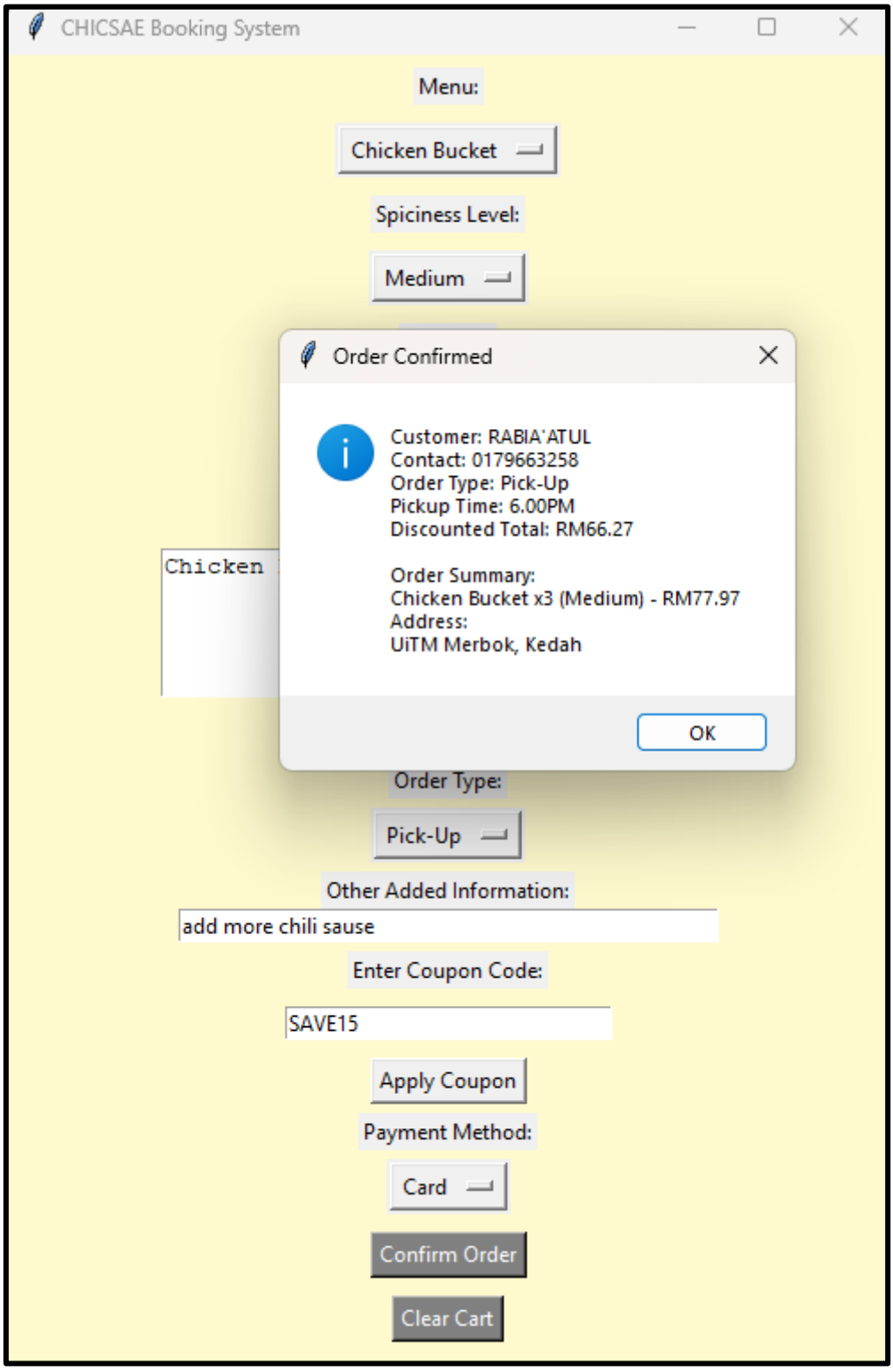

CHICSAE Booking System
Menu:
Chicken Bucket
Spiciness Level:
Medium
Quantity:
3
Add to Cart
Cart:
Chicken Bucket x3 (Medium - RM77.97
Total: RM77.97
Order Type:
Pick-Up
Other Added Information:
add more chili sause
Enter Coupon Code:
Apply Coupon
Payment Method:
Card
Confirm Order
Clear Cart


CHICSAE Booking System
Menu:
Chicken Bucket
Spiciness Level:
Coupon Applied
Coupon 'SAVE15' applied successfully! 15% discount applied.
OK
Chicken Bucket x3 (Medium - RM77.97
Total after 15% discount: RM66.27
Order Type:
Pick-Up
Other Added Information:
add more chili sause
Enter Coupon Code:
SAVE15
Apply Coupon
Payment Method:
Card
Confirm Order
Clear Cart

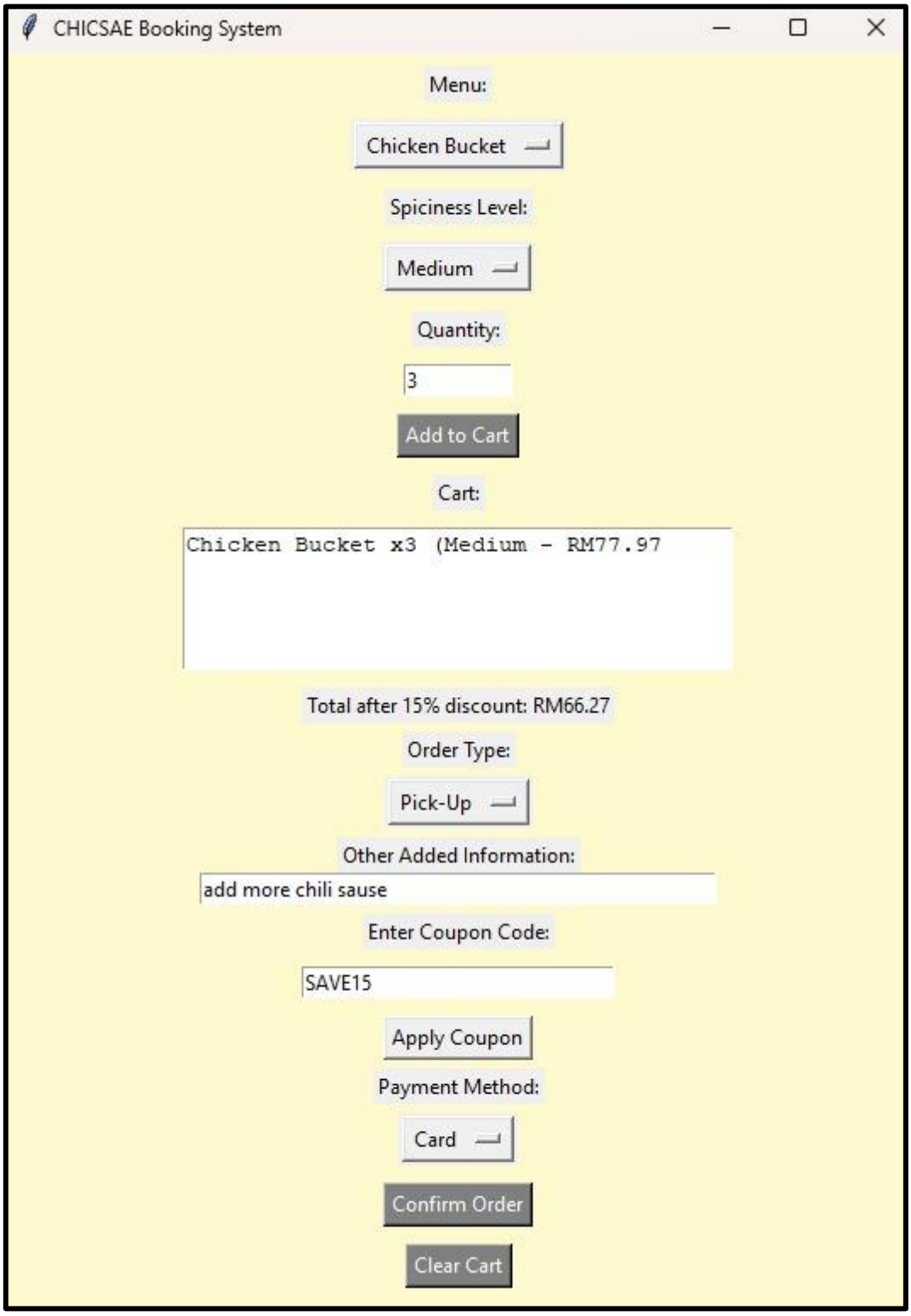

CHICSAE Booking System
Menu:
Chicken Bucket
Spiciness Level:
Medium
Quantity:
3
Add to Cart
Cart:
Chicken Bucket x3 (Medium - RM77.97
Total after 15% discount: RM66.27
Order Type:
Pick-Up
Other Added Information:
add more chili sause
Enter Coupon Code:
SAVE15
Apply Coupon
Payment Method:
Card
Card
Cash
Clear Cart

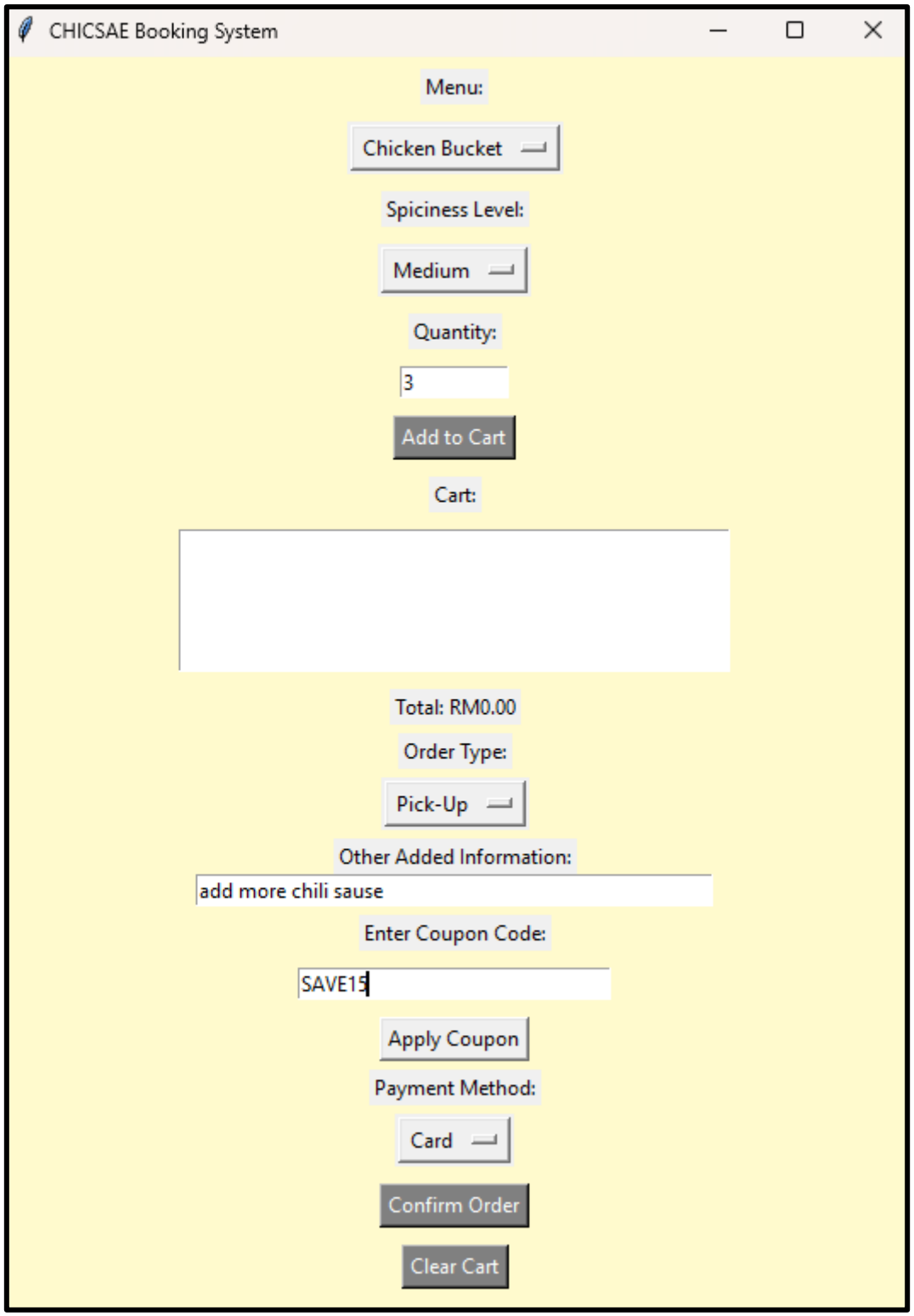

CHICSAE Booking System
Menu:
Chicken Bucket
Spiciness Level:
Medium
Pickup Time
Please enter your pickup time (e.g., 3:00 PM):
6.00PM
OK
Cancel
Chicken Bucket x3 (Medium - RM77.97
Total: RM77.97
Order Type:
Pick-Up
Other Added Information:
add more chili sause
Enter Coupon Code:
SAVE15
Apply Coupon
Payment Method:
Card
Confirm Order
Clear Cart

ii. Read data


CHICSAE Booking System
Menu:
Chicken Bucket
Spiciness Level:
Medium
Order Confirmed
Customer: RABIA'ATUL
Contact: 0179663258
Order Type: Pick-Up
Pickup Time: 6.00PM
Discounted Total: RM66.27
Order Summary:
Chicken Bucket x3 (Medium) - RM77.97
Address:
UiTM Merbok, Kedah
OK
Chicken
Order Type:
Pick-Up
Other Added Information:
add more chili sause
Enter Coupon Code:
SAVE15
Apply Coupon
Payment Method:
Card
Confirm Order
Clear Cart

iii. Delete existing data




CHICSAE Booking System
Menu:
Chicken Bucket
Spiciness Level:
Medium
Quantity:
3
Add to Cart
Cart:
Total: RM0.00
Order Type:
Pick-Up
Other Added Information:
add more chili sause
Enter Coupon Code:
SAVE15
Apply Coupon
Payment Method:
Card
Confirm Order
Clear Cart

CONDITIONAL STATEMENT : Yes

If, elif, & else

```
def apply_coupon(code):
    """Apply a coupon and calculate the discounted total."""
    global final_total  # Ensure the discounted total persists across functions
    code = code.strip().upper()  # Standardize the coupon code

    if code in coupons:
        discount = coupons[code]
        total = calculate_total()  # Calculate the current total
        final_total = total * (1 - discount / 100)  # Apply discount
        total_label.config(text=f"Total after {discount}% discount: RM{final_total:.2f}")
        messagebox.showinfo("Coupon Applied", f"Coupon '{code}' applied successfully!")
    else:
        messagebox.showerror("Invalid Coupon", "The coupon code entered is invalid.")
```

Explanation:

if code in coupons:

This will check whether the code entered exists in the dictionary of coupons (which contains all the valid coupon codes along with their corresponding discounts). this means that, "if the coupon code was entered by the user, it is found in the list of valid coupons, then execute the following block of code."

It will act like:

- Fetch the discount value associated with the coupon.

- Calculate the new total after applying the discount.

- Update the label to show the new total on the GUI.

- Display a success message that the coupon was applied successfully.

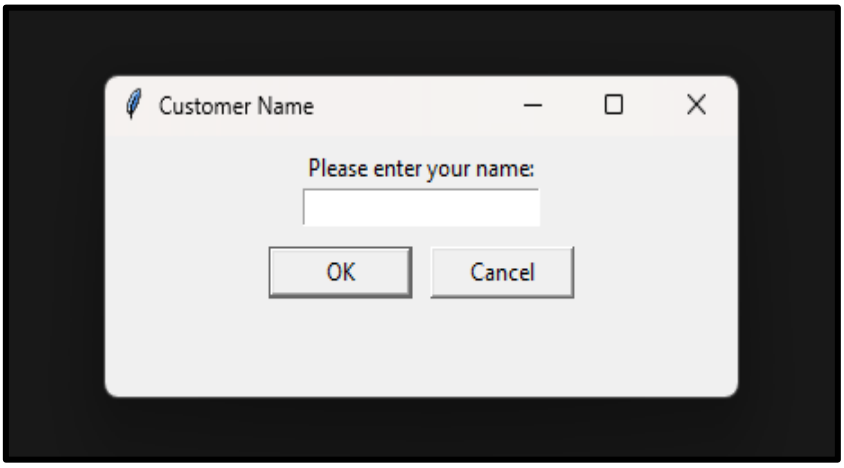
else:

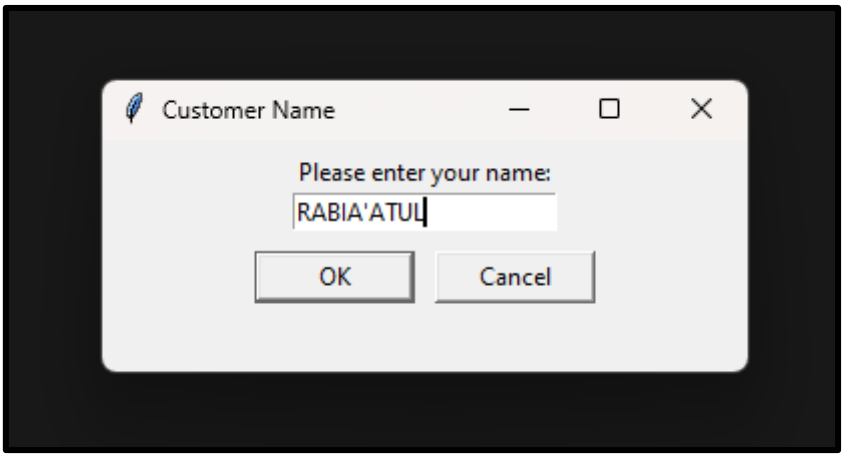
This part of code will be executed only when the condition of an if statement is false, meaning that the coupon code entered by the user does not exist in the coupons dictionary. This would mean "If the coupon code entered by the user is not valid (not found in the list of valid coupons), the following block of code is executed".

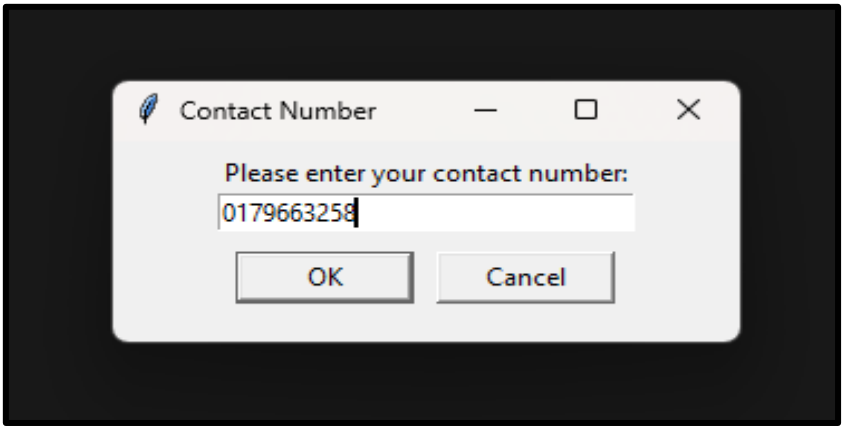
It works like:

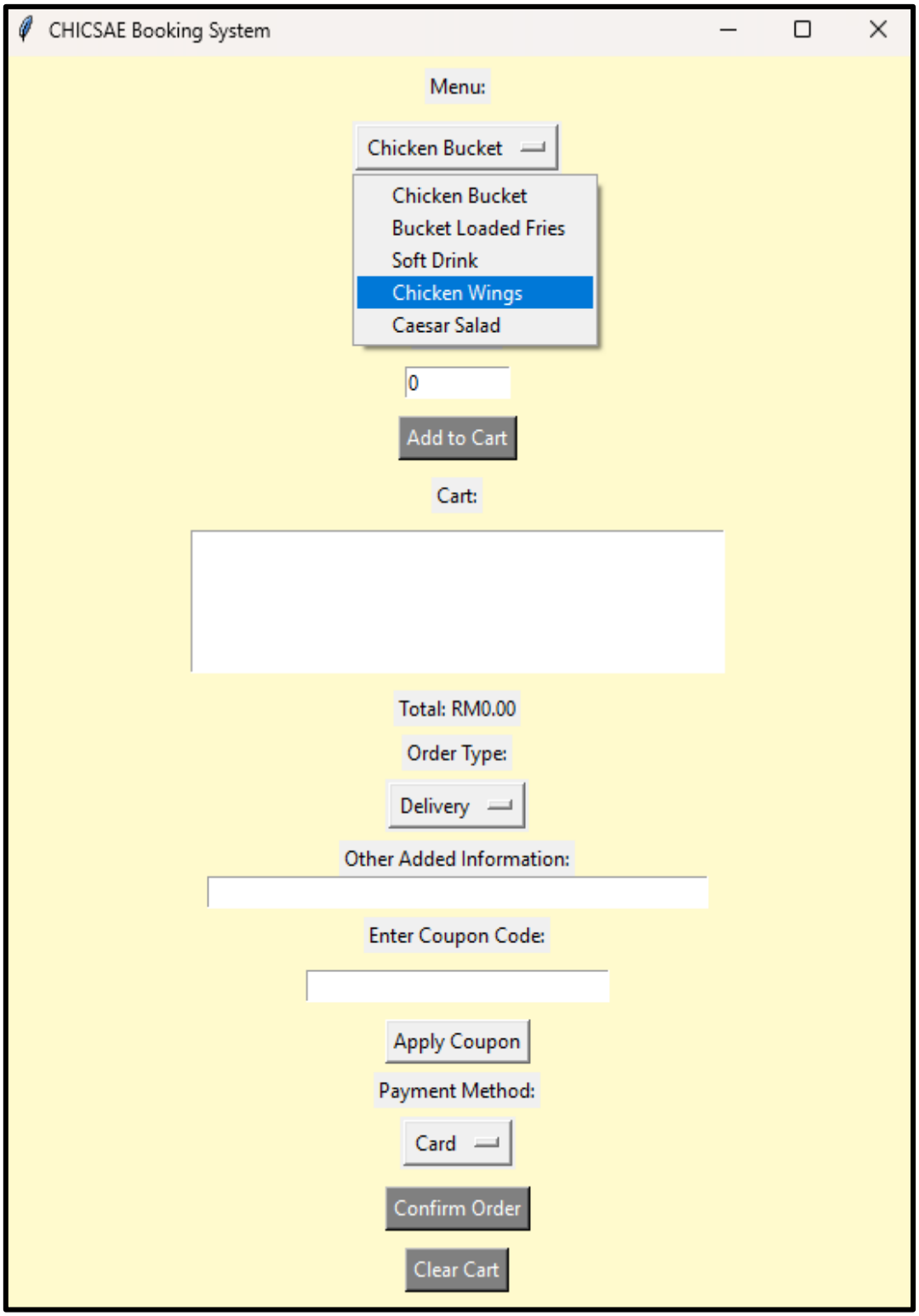
Display an error message to the user, indicating that the coupon code entered is invalid.

GUI : Yes (add screenshot)








CHICSAE Booking System
Menu:
Chicken Bucket
Chicken Bucket
Bucket Loaded Fries
Soft Drink
Chicken Wings
Caesar Salad
0
Add to Cart
Cart:
Total: RM0.00
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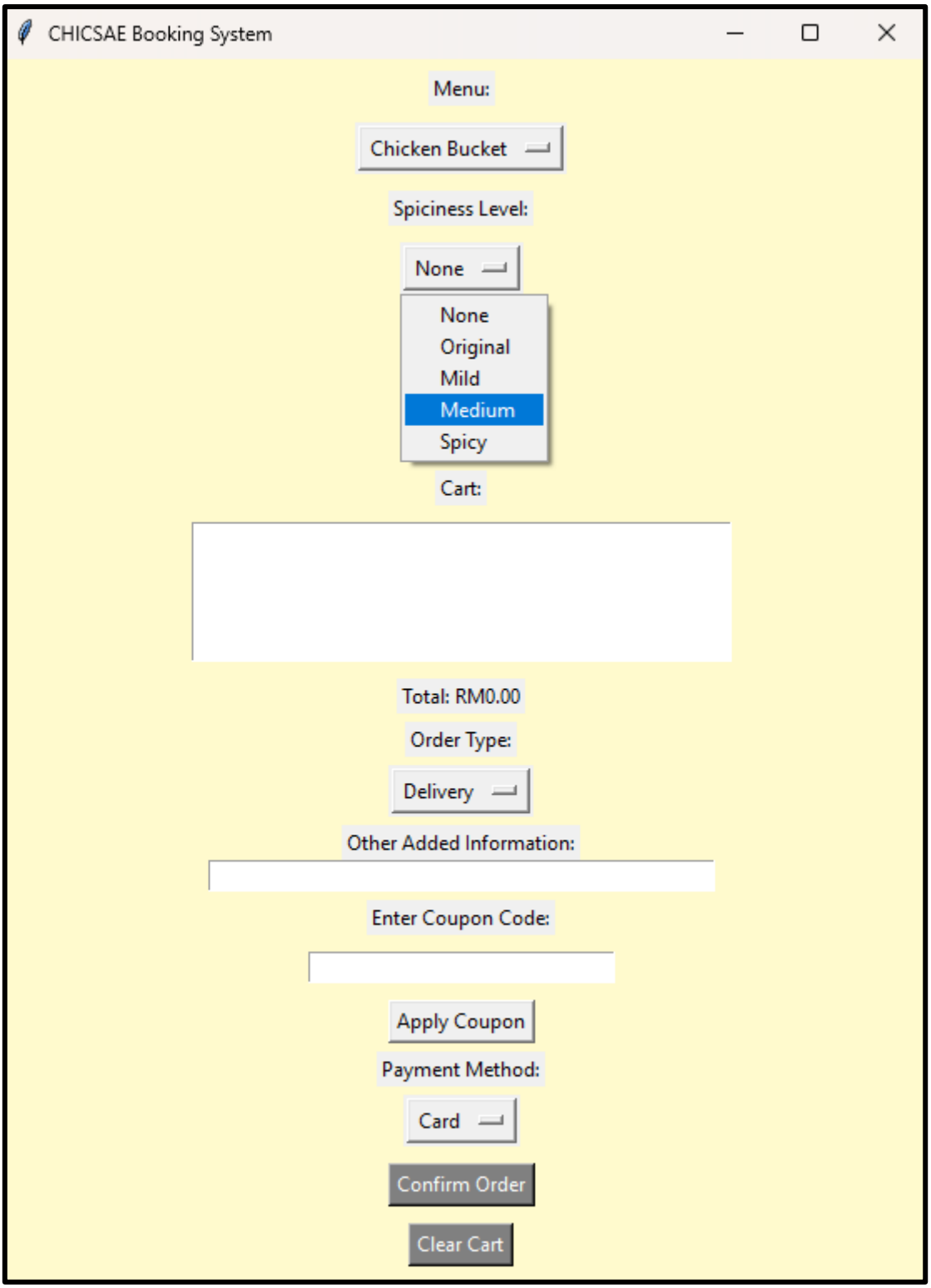
Delivery
Other Added Information:
Enter Coupon Code:
Apply Coupon
Payment Method:
Card
Confirm Order
Clear Cart


CHICSAE Booking System
Menu:
Chicken Bucket
Spiciness Level:
None
None
Original
Mild
Medium
Spicy
Cart:
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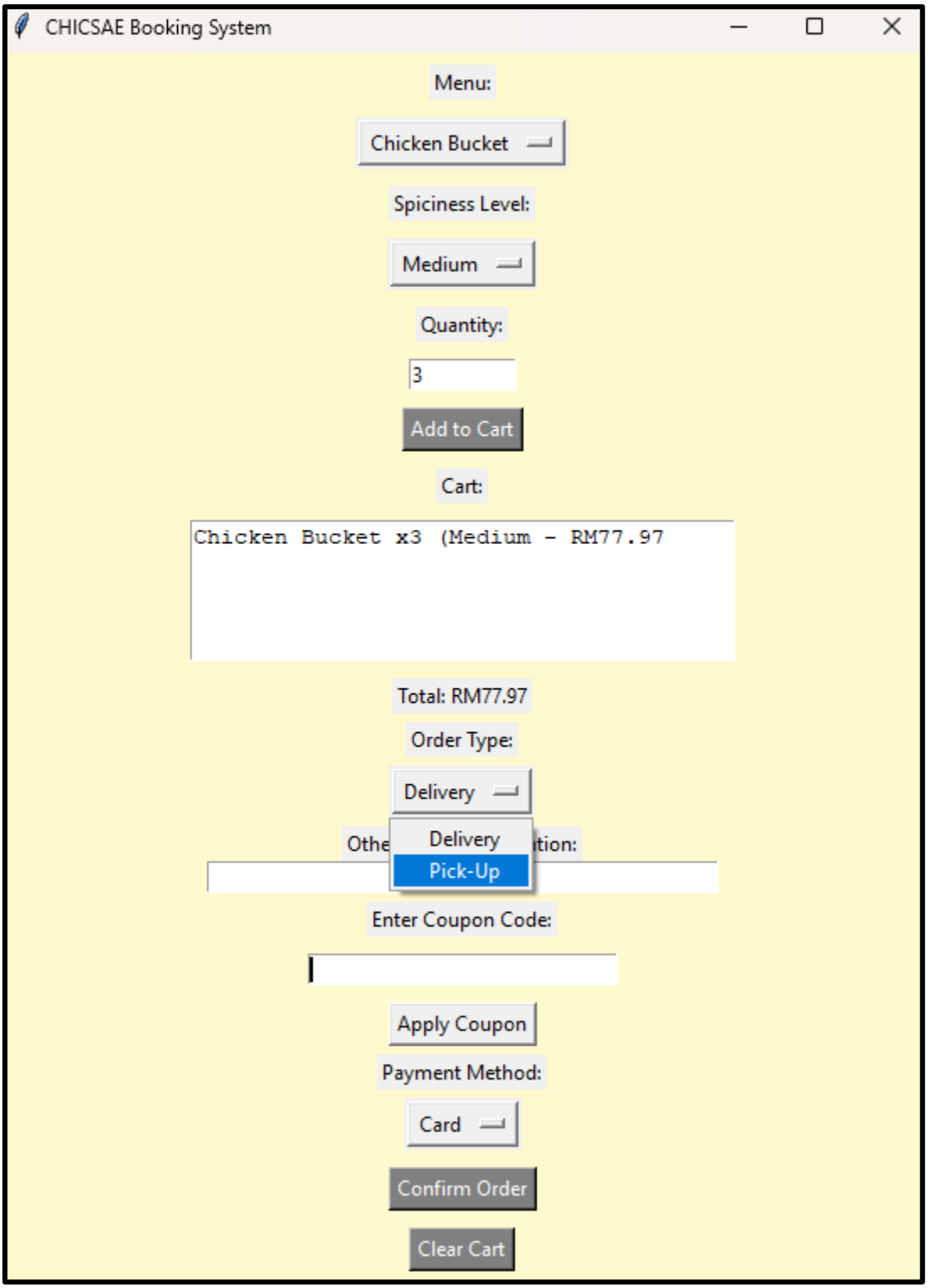
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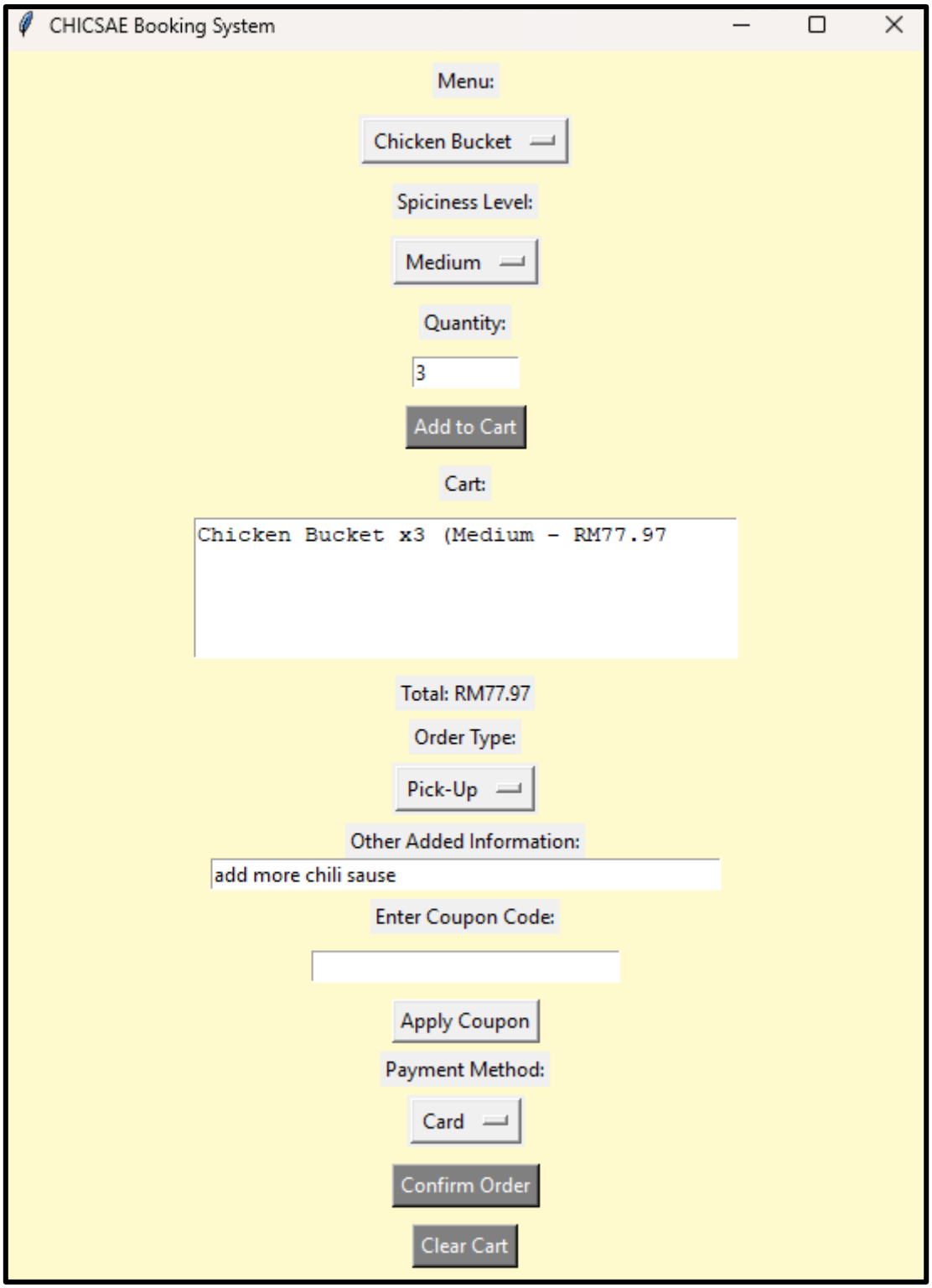
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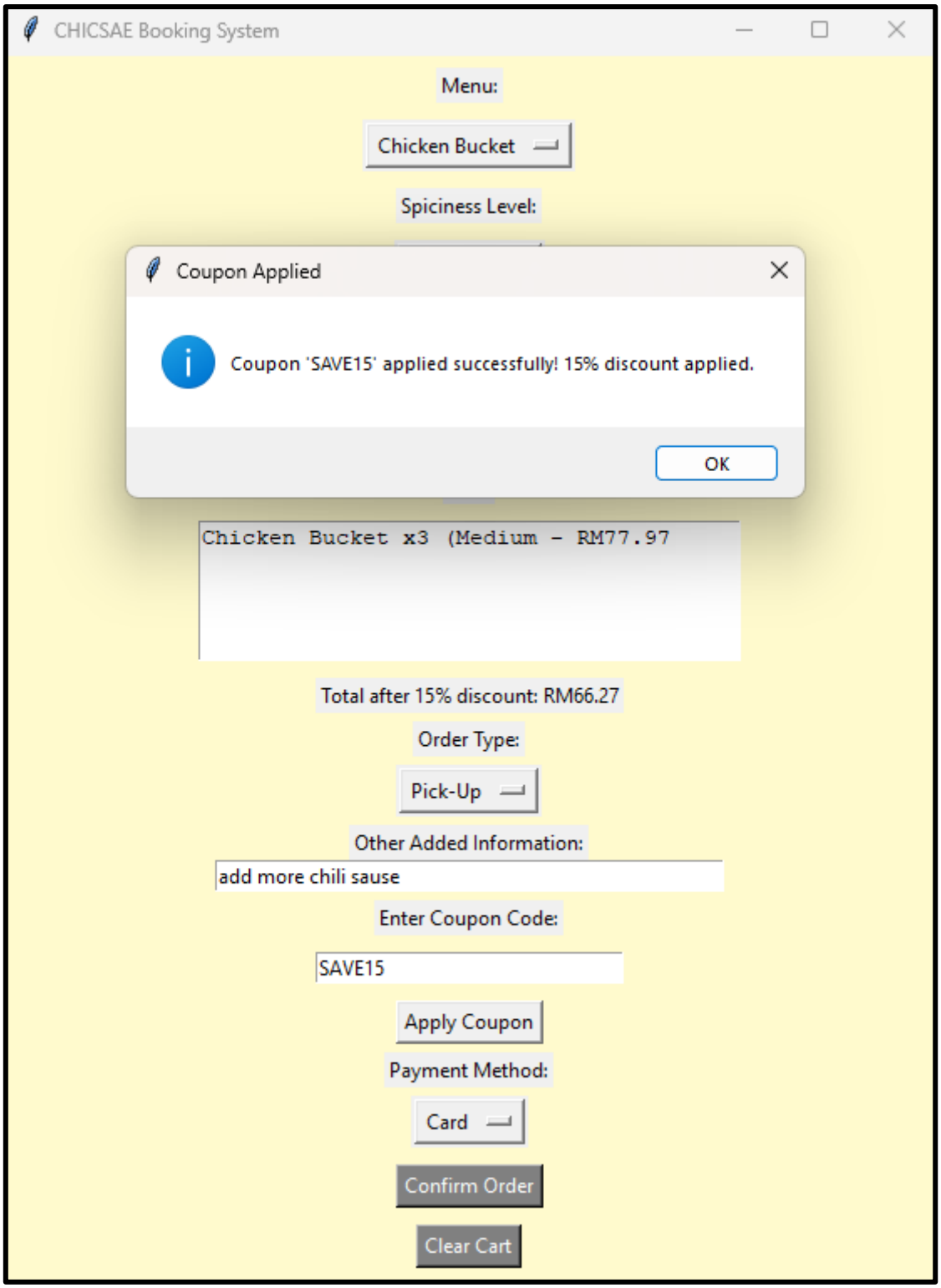
Apply Coupon
Payment Method:
Card
Confirm Order
Clear Cart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SAVE15
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Payment Method:
Card
Confirm Order
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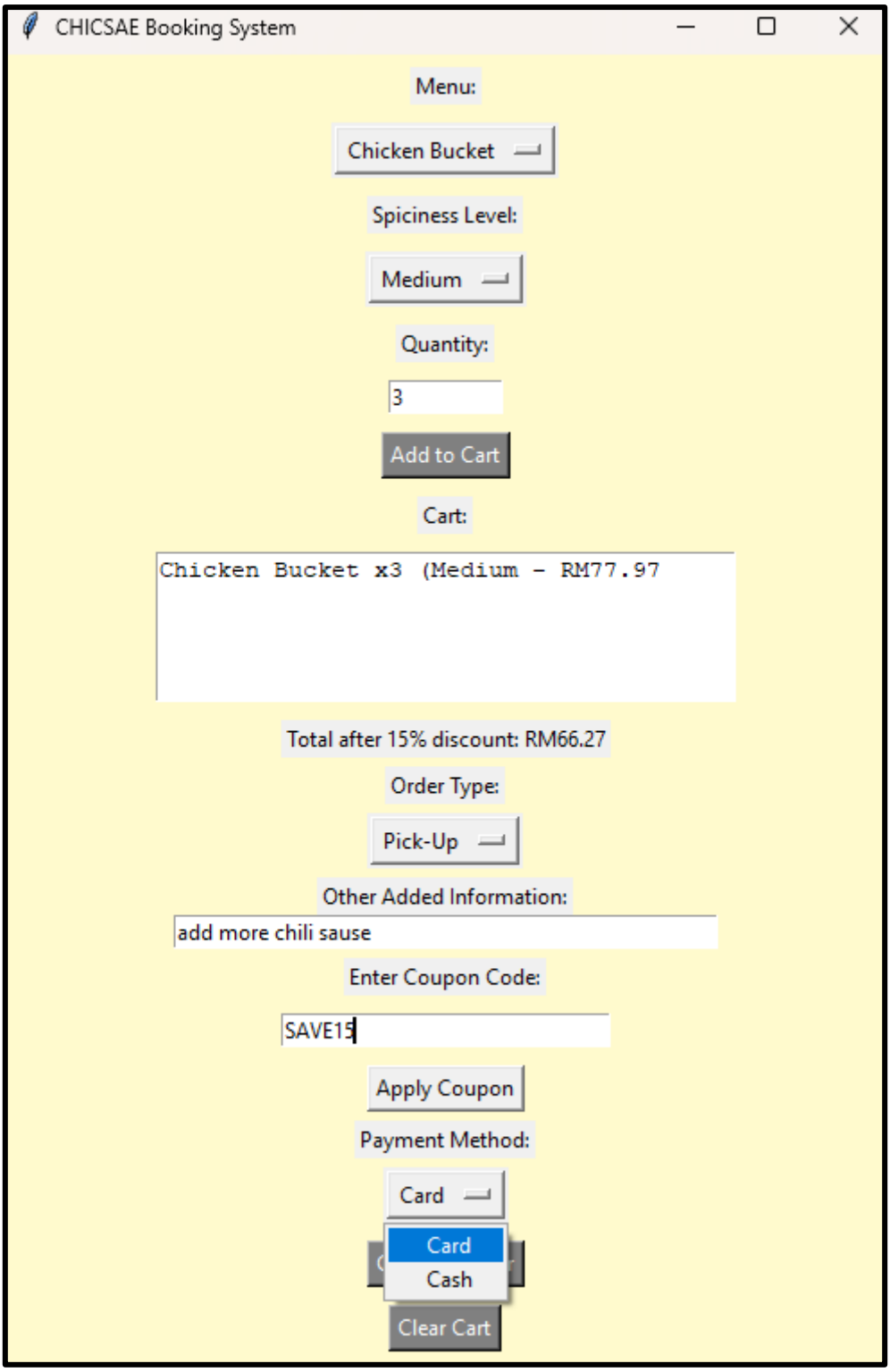
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Payment Method:
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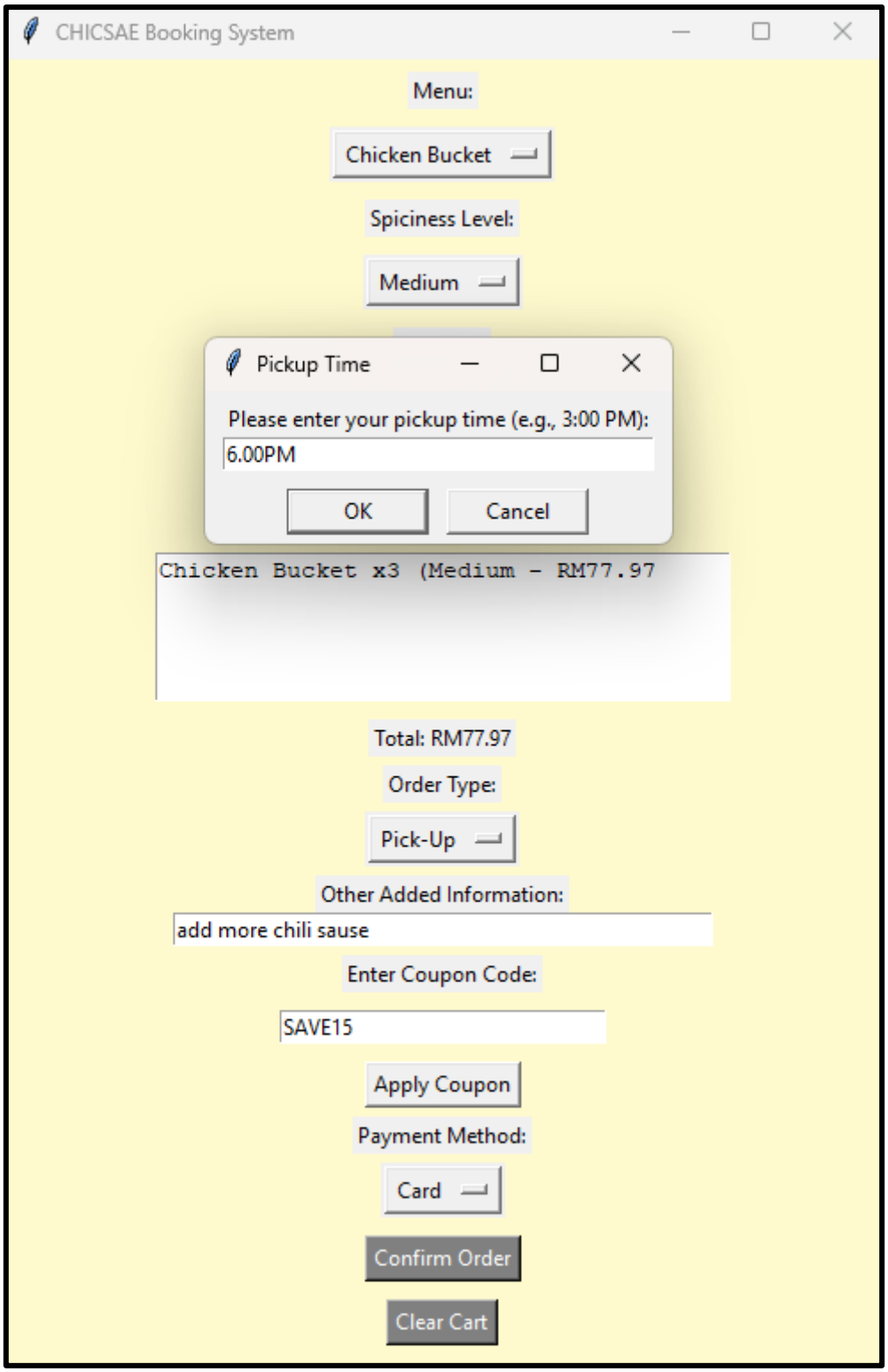
Card
Cash
Clear Cart


CHICSAE Booking System
Menu:
Chicken Bucket
Spiciness Level:
Medium
Pickup Time
Please enter your pickup time (e.g., 3:00 PM):
6.00PM
OK
Cancel
Chicken Bucket x3 (Medium - RM77.97
Total: RM77.97
Order Type:
Pick-Up
Other Added Information:
add more chili sause
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SAVE15
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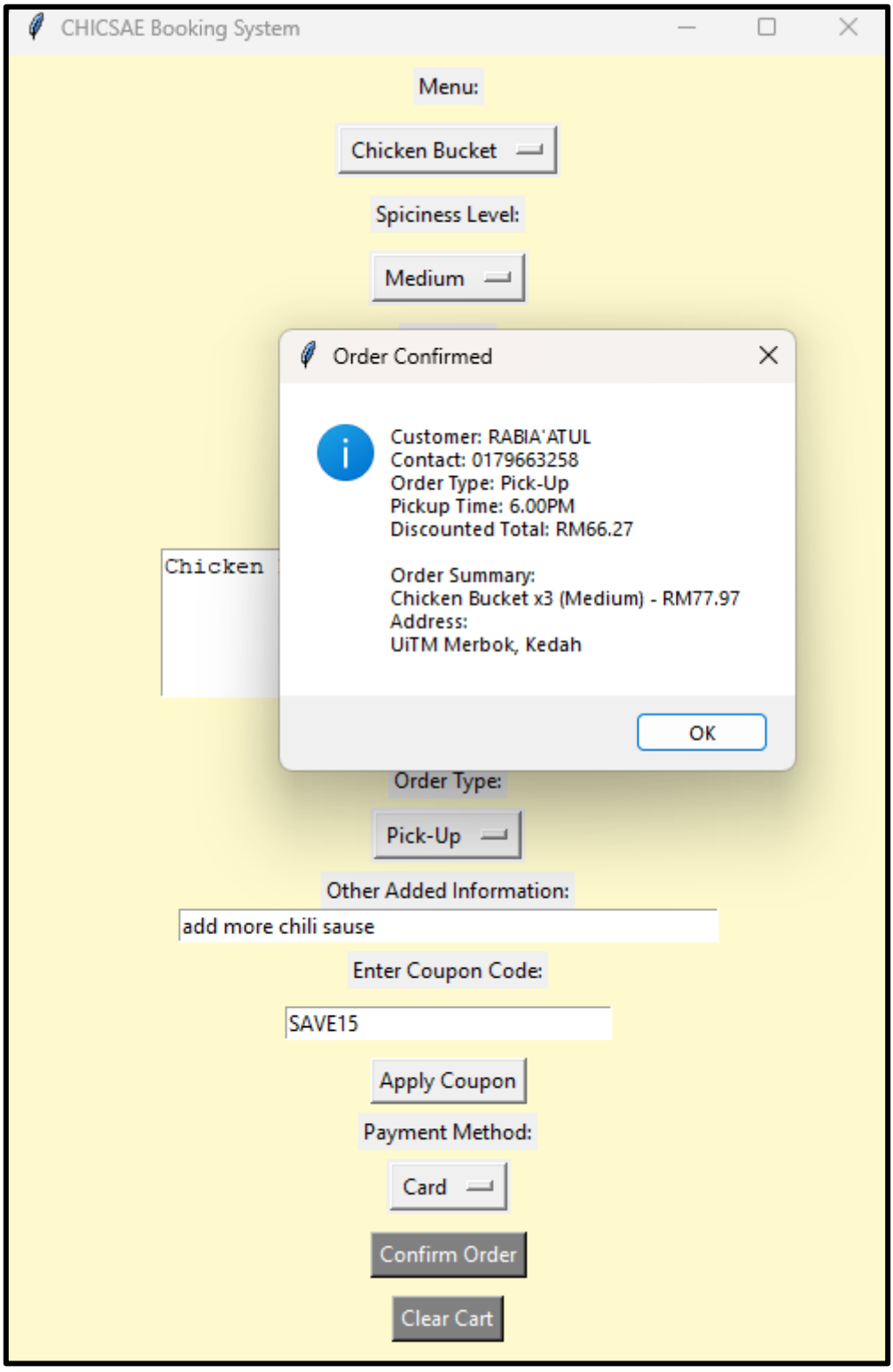
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Chicken Bucket
Spiciness Level:
Medium
Order Confirmed
Customer: RABIA'ATUL
Contact: 0179663258
Order Type: Pick-Up
Pickup Time: 6.00PM
Discounted Total: RM66.27
Order Summary:
Chicken Bucket x3 (Medium) - RM77.97
Address:
UiTM Merbok, Kedah
OK
Chicken
Order Type:
Pick-Up
Other Added Information:
add more chili sause
Enter Coupon Code:
SAVE15
Apply Coupon
Payment Method:
Card
Confirm Order
Clear Cart

STRENGTH:

1 .Effective Management of Coupons

- **Flexibility in Discount Creation:** Percentage-based discounts for the order can be applied.
- **Live Calculation:** Discounts get applied instantly with the new total directly visible.

2. Comprehensive Order Summary

- **Detailed Confirmation Message:** An elaborate message of confirmation that includes the customer's detail order types, pickup time, address, and the total price with a discount. This confirms that the users have a full picture of their order before finalizing it.
- **Order Breakdown:** One by one items and quantities within the cart with an indicator for spiciness and calculated price.

3. Customization and Flexibility

- **Spiciness Levels:** Allows users to personalize their orders, such as the spice levels.
- **Order Types**: This includes delivery and pickup to give users more options. The couponing is done so that discounts are realized through the coupon codes, making the system friendlier for customers.

4. Friendly User Interface.

- **Interactive GUI:** Built using Tkinter; the graphical interface is very easy to navigate using the user.
- **Dropdown Menus and Input Fields**: Making it easier for users to select what they want, the level of spiciness, and the type of order required, without typing it manually.
- **Online cart display:** An up-to-date and live cart updates to users on the selected items and quantity involved with the pricing.

KAIZEN (ROOM FOR IMPROVEMENT)

1. User Experience Enhancements

- **Responsive:** Adaptive GUI designs would fit any screen (like tablets or mobile devices).
- **Visual Feedback**: This Must be animated or highlighted in color when the successful completion of actions like "Add to Cart" is performed.
- **Error Messages**: Specific error messages, like "Quantity cannot exceed 50 per item" should be given.

2. Better Data Validation

- Option to drop down numbers in a phone number based on the country code.
- Live input validation like, "Highlighting the wrong entries in real time as opposed to after submission."
- Restrict wrong quantities at the input level (like restricting integers from 1-100).

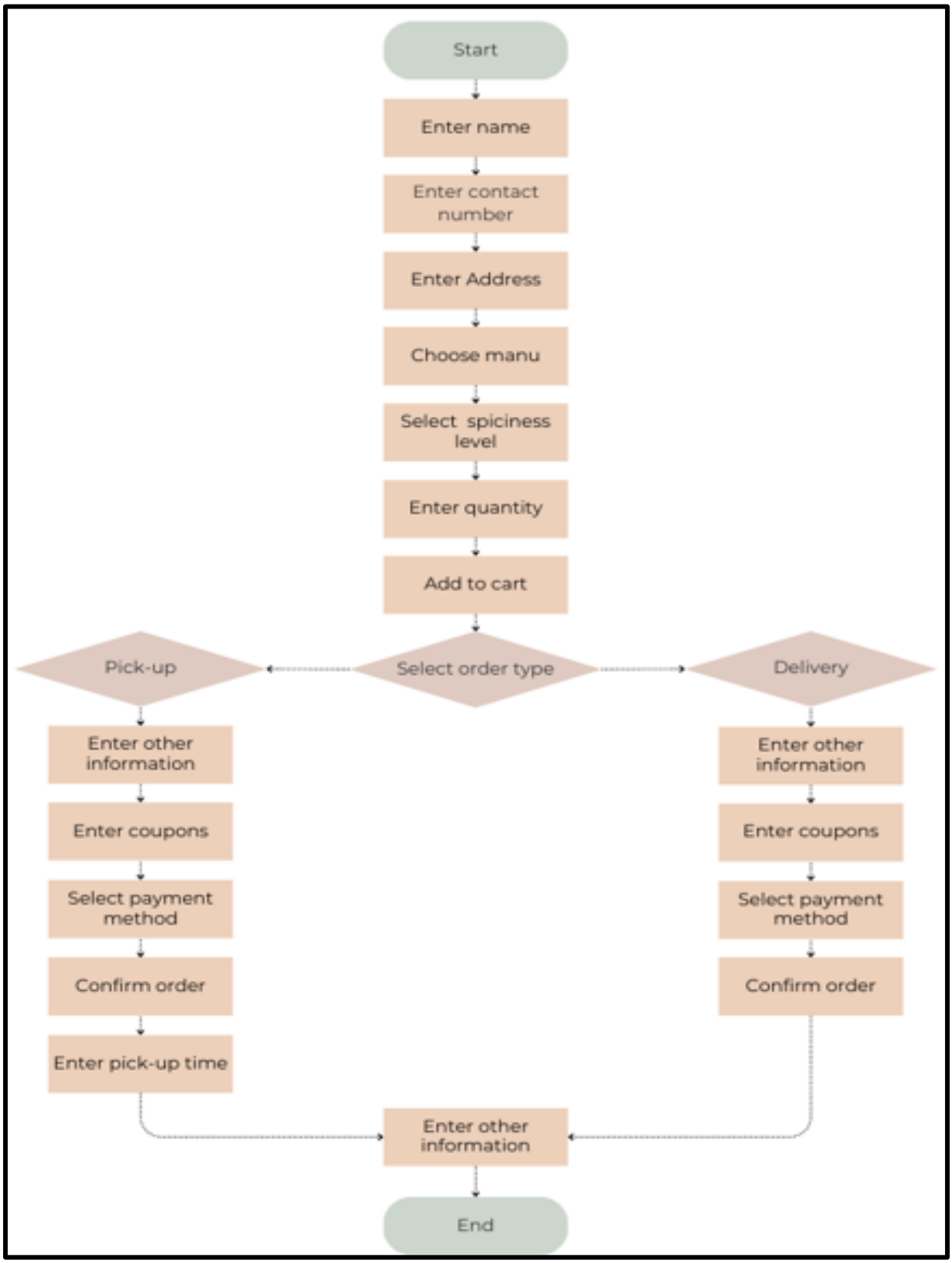
3. Streamlining the Ordering Process

- Add the repeat order functionality, so that a user can reorder an item quickly.
- Save some details for return customers to avoid entering address again.
- Provide a progress tracker (like: step 1: add items, step 2: enter details, step 3: confirm order).

4. Automation and Efficiency

- Automatically validate coupon codes when typing using the database.
- Real-time total updates should occur when the contents of the cart are changed: by items and quantities.
- Enable auto-save of cart in case the browser crashes or empties.

FLOW CHART


Start
Enter name
Enter contact number
Enter Address
Choose manu
Select spiciness level
Enter quantity
Add to cart
Select order type
Pick-up
Delivery
Enter other information
Enter coupons
Select payment method
Confirm order
Enter pick-up time
Enter other information
Enter coupons
Select payment method
Confirm order
Enter other information
End