UNIVERSITI TEKNOLOGI MARA (UiTM)

CAWANGAN KEDAH, KAMPUS SUNGAI PETANI

SCHOOL OF INFORMATION SCIENCE

COLLEGE OF COMPUTING, INFORMATICS AND MATHEMATICS

DIPLOMA INFORMATICS LIBRARY
(CDIM144)

PROGRAMMING IN LIBRARIES (IML208)

INDIVIDUAL ASSIGNMENT

PREPARED BY:

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2023811192

KCDIM144 3B

PREPARED FOR:

ENCIK MOHD FIRDAUS MOHD HELMI

SUBMISSION:

18TH DECEMBER 2024

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WEEK 10

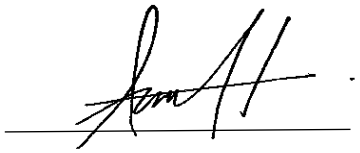
ACKNOWLEDGMENT

First and foremost, I want to thank Allah SWT for providing me with the strength and blessings that allowed me to complete this assignment. Also, I must praise myself, Nuraisyah binti Mohd Zamri for completing this assignment since it would not been possible without my great efforts. I put a lot of effort into making sure the assignment is completed successfully.

Thus, I would like to give thanks to my lecturer, Encik Mohd Firdaus Mohd Helmi because without his guidance my assignment cannot be done well. He is always there for me by giving support and guiding me on the way how to do the assignment. Indeed, he really inspired me to do this assignment. For the same reasons, I would also like to thank him for teaching me this course.

Ultimately, I would want to express gratitude to UiTM Kedah and my classmates. My classmates were really helpful to me in the journey of my assignment, and I am grateful to to UiTM Kedah for providing opportunity to do this assignment. Thank you.

Sincerely,



Name: NURAISYAH BINTI MOHD ZAMRI
Student ID: 2023811192
Class: KCDIM144 3B

UiTM's Academic Integrity Pledge

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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 behaviour that a reasonable person would consider plagiarism.

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d) **Deception**: Providing false information to an instructor concerning a formal academic assessment and evaluation.

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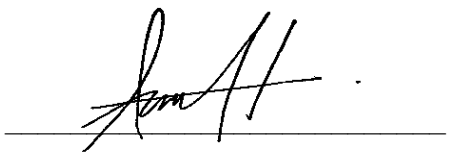


Name: NURAISYAH BINTI MOHD ZAMRI

Matric Number: 2023811192

Course Code: IML208

Programme code: CDIM144

Faculty / Campus: COLLEGE OF COMPUTING, INFORMATICS AND MATHEMATIC

Project Name: KPOP Album Ordering System

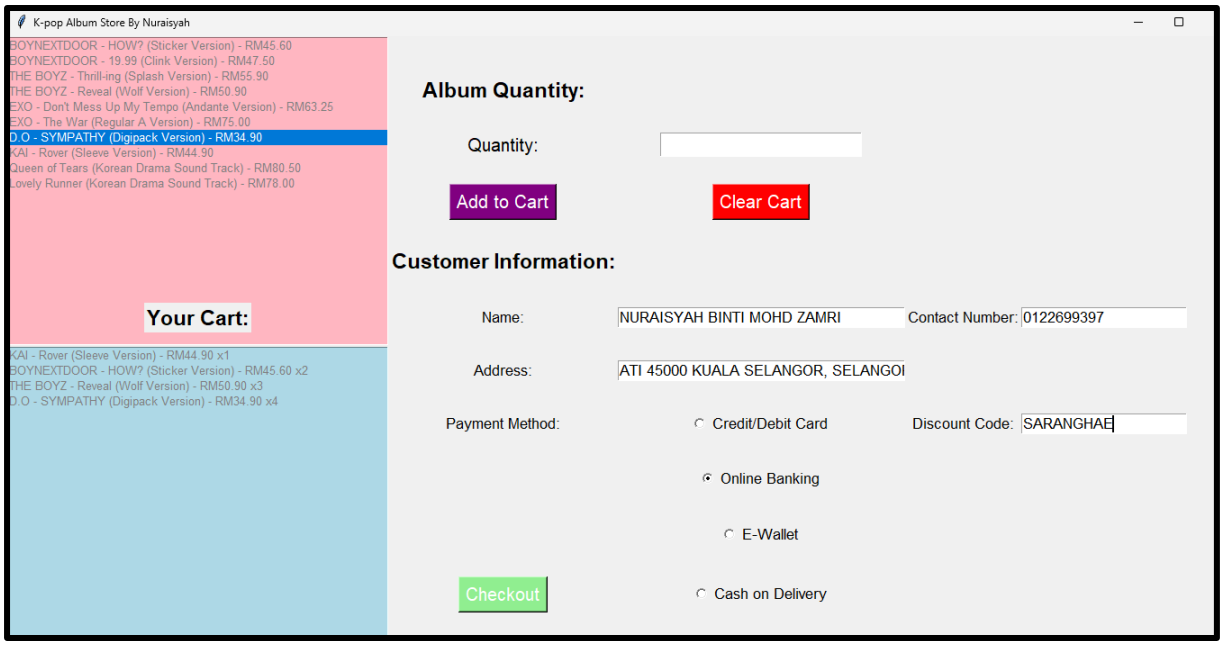
File name: kpopalbumorder.py

Prompt Data:

i. Name
ii. Contact
iii. Address
iv. Discount code
v. Album list
vi. Add to cart
vii. Payment method
viii. Clear cart
ix. Checkout

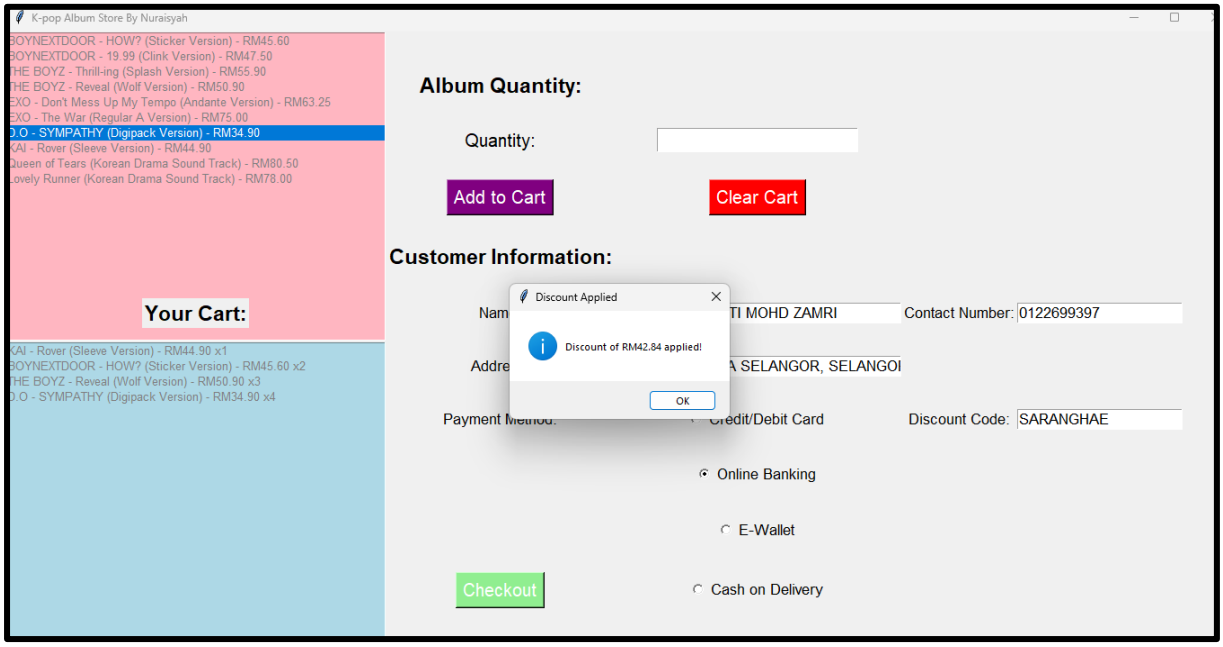
Function:

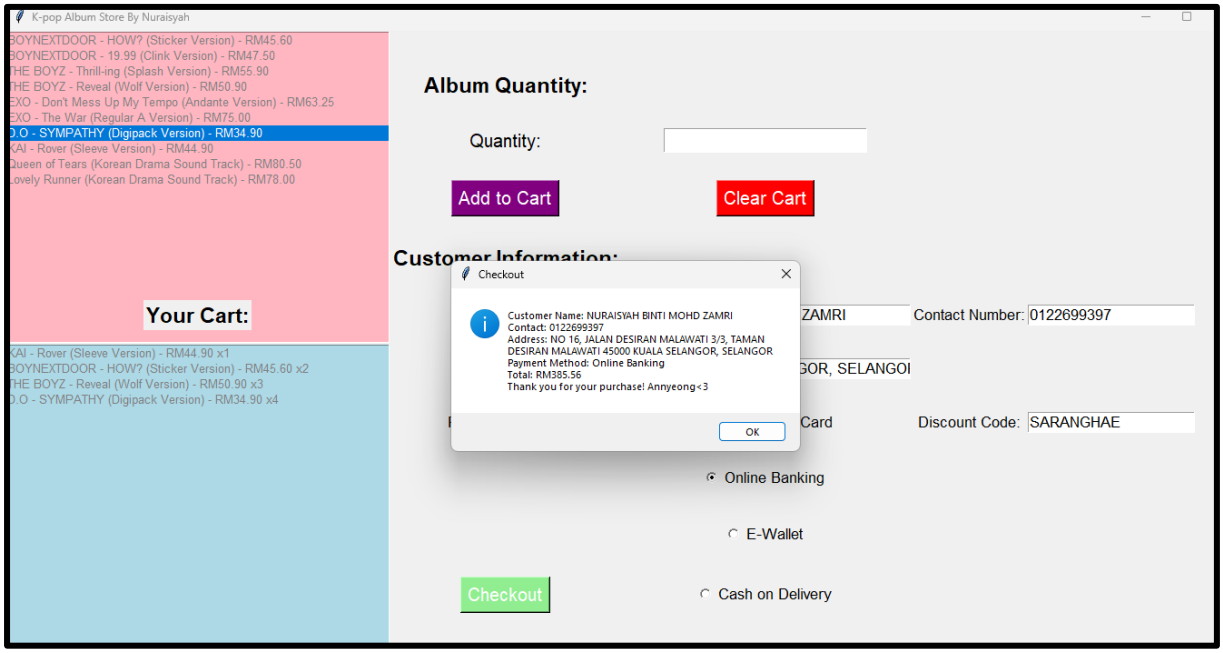
i. Create data



Users can fill in the information needed.

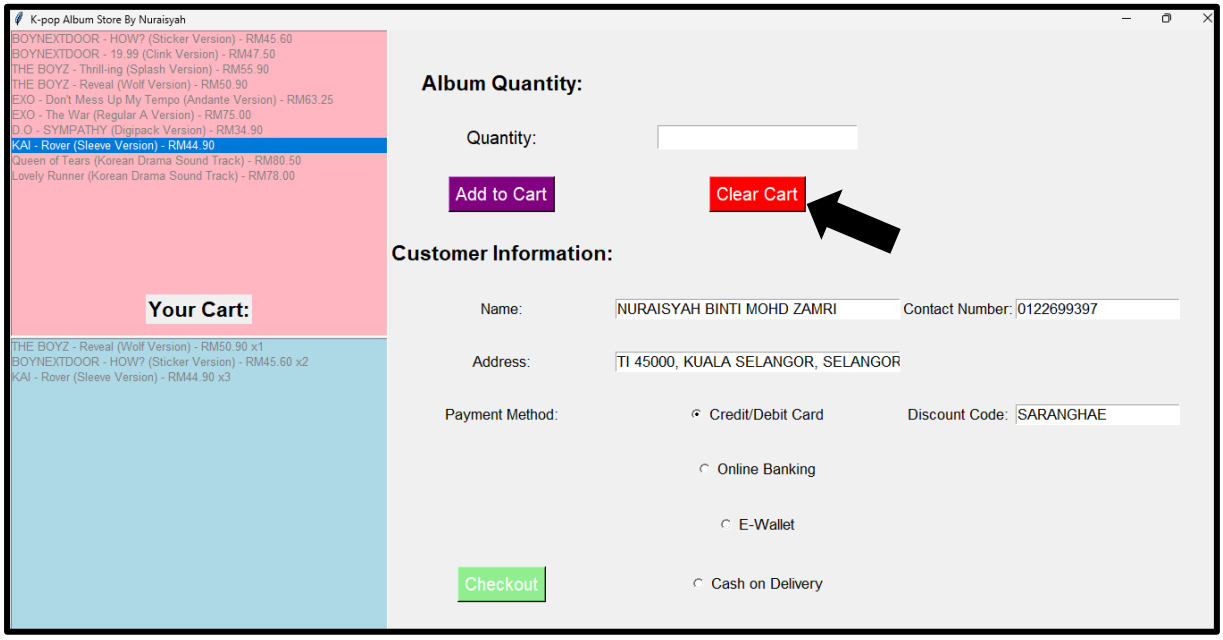
ii. Read data



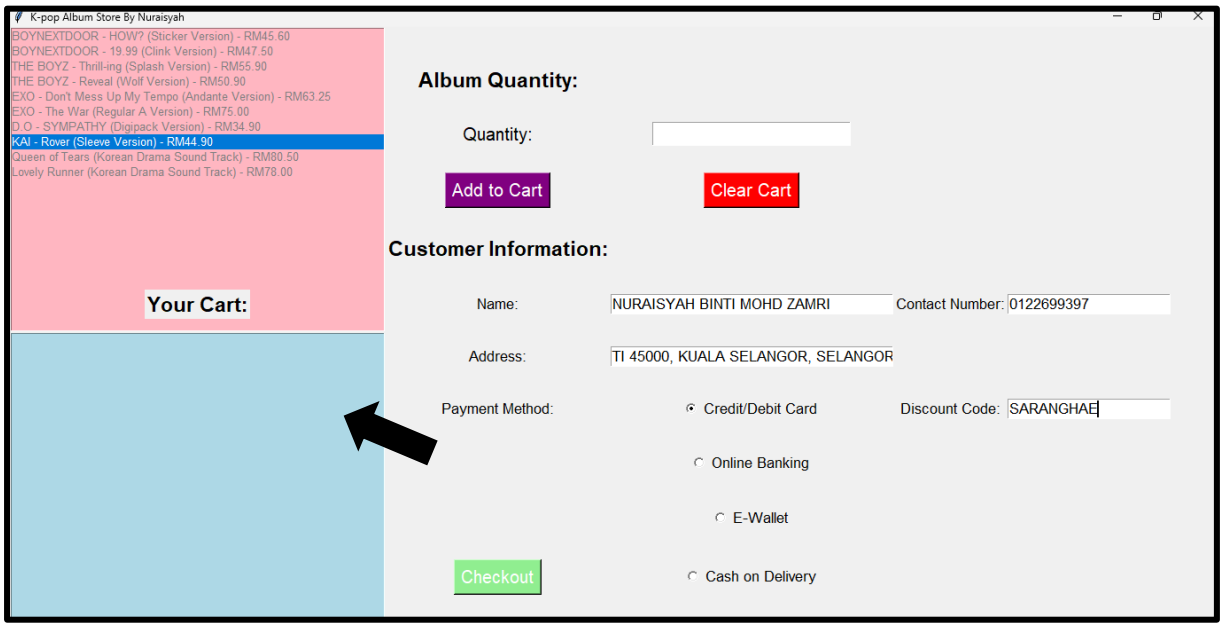


The system can read the information inserted by users.

iii. Delete existing data



To delete data from the cart, can click the “Clear cart” button.



The data from the cart will be deleted.

Conditional Statement: Yes

If & elif

```
# Apply discount
if discount_code == "SARANGHAE":
    discount = total * 0.10
    total -= discount
    messagebox.showinfo("Discount Applied", f"Discount of RM{discount:.2f} applied!")
elif discount_code:
    messagebox.showerror("Invalid Code", "The discount code entered is invalid. No discount applied.")
```

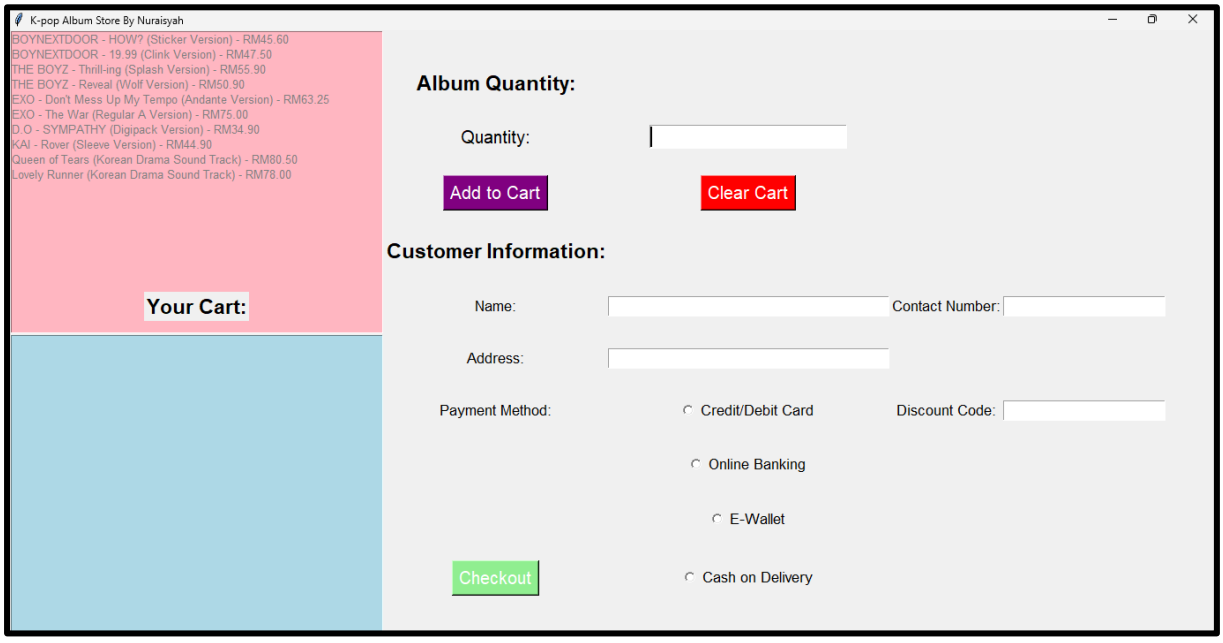
```
if not name or not contact or not address:
    messagebox.showerror("Missing Information", "Oh no! Please provide your name, contact number, and address.")
    return

if payment_method == "None":
    messagebox.showerror("Payment Method Missing", "Please select a payment method before proceeding.")
    return
```

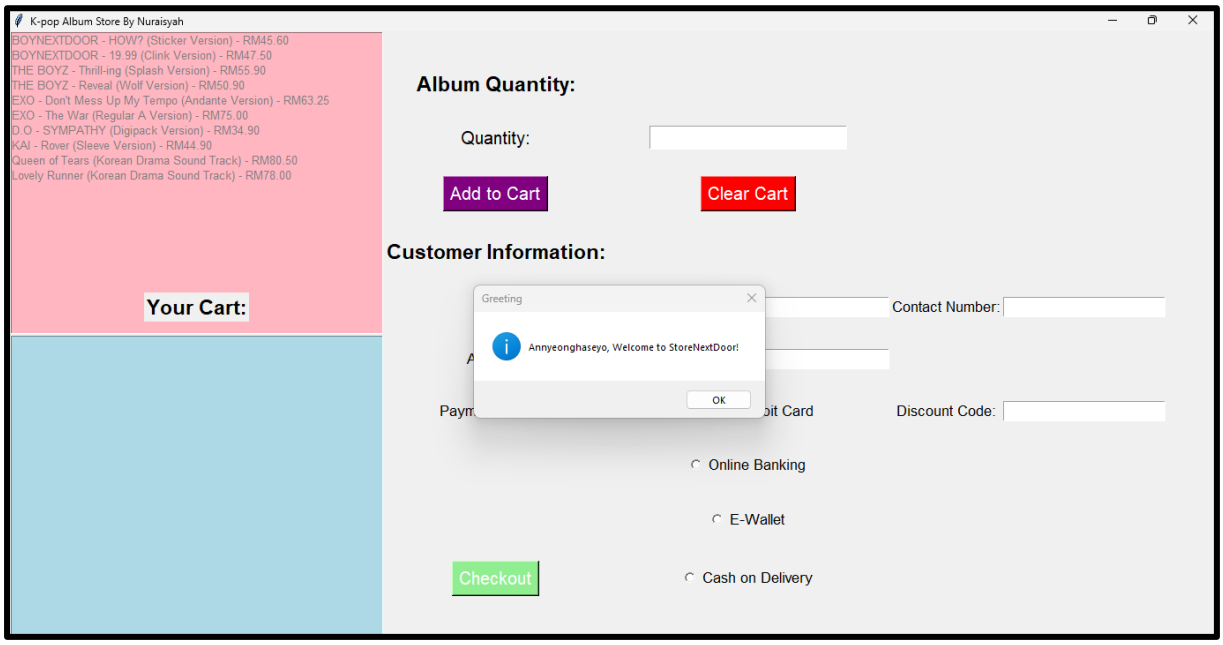
```
145
146     def checkout(self):
147         if not self.cart.items:
148             messagebox.showerror("Cart Empty", "Your cart is empty. Add items before checking out juseyooo.")
149             return
150
```

```
if quantity <= 0:
    messagebox.showerror("Mianhae... Invalid Quantity", "Please enter a valid quantity greater than 0.")
    return
```

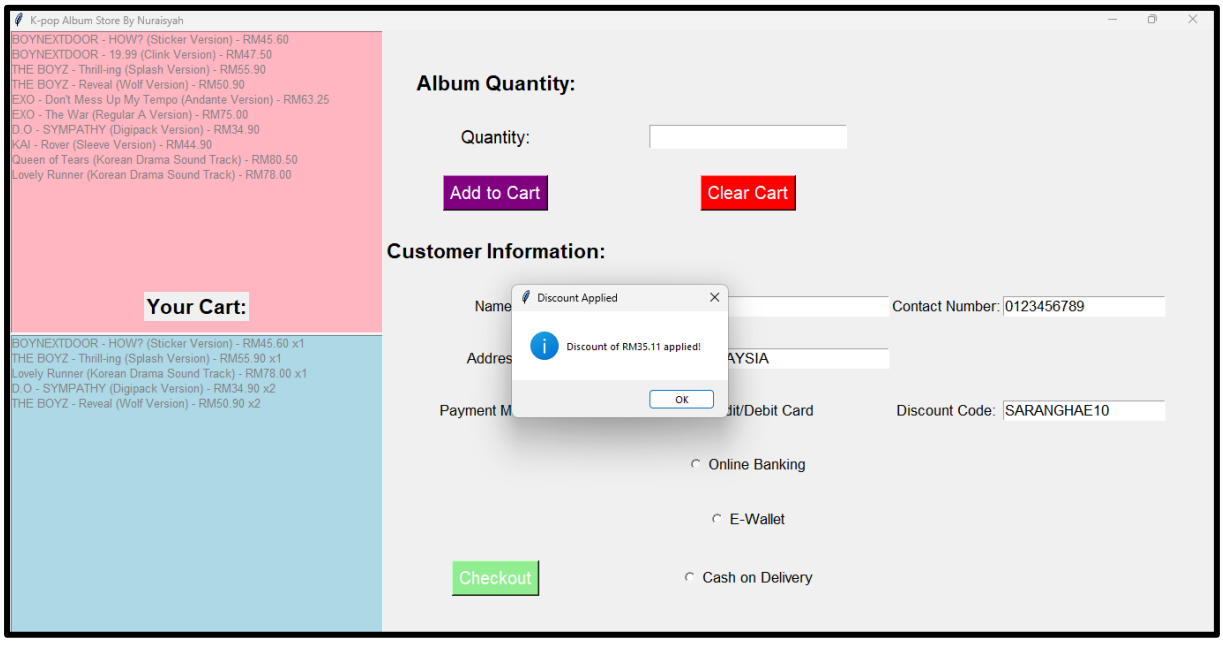
GUI: Yes



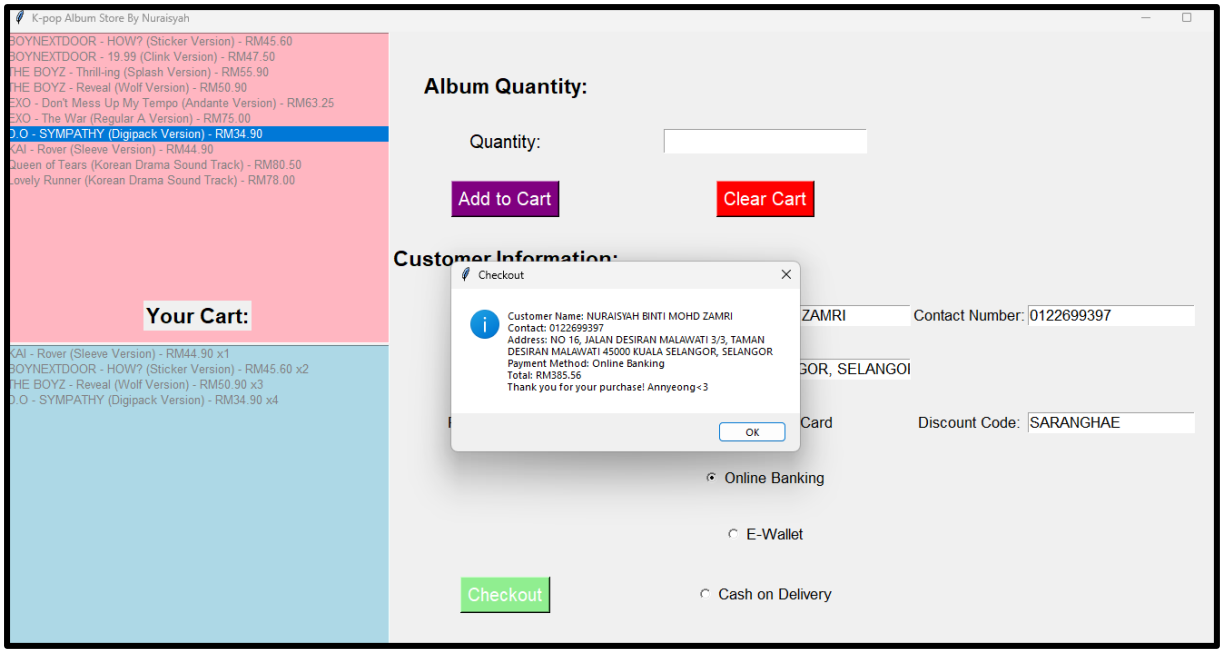
Result:



Once users open the system, the greeting will appear.



The system will tell the users if the code valid or not after filled in the discount code.



The system will show all the information that users provided after users click on the “Checkout” button.

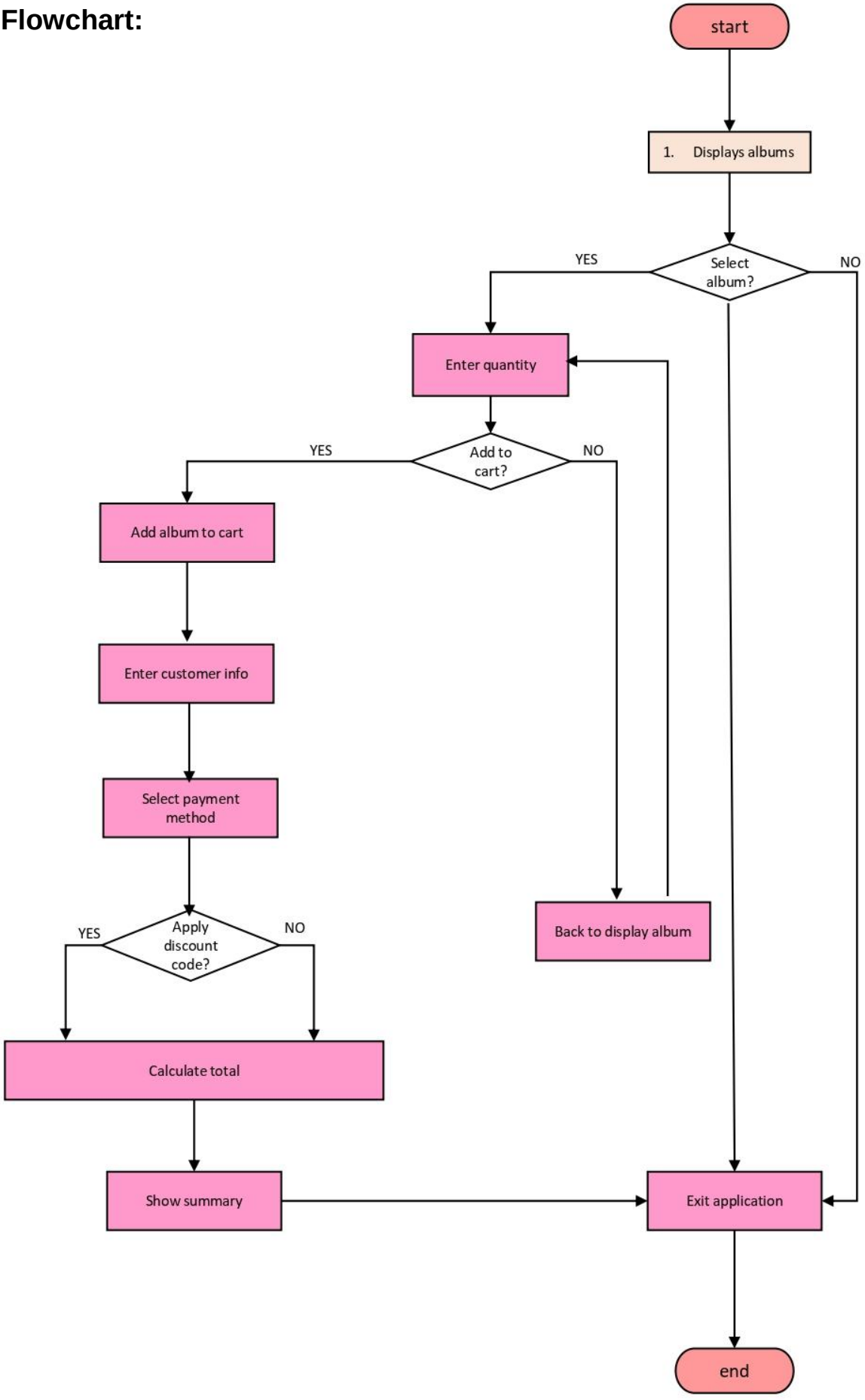
Strength:

- Payment method:
  This system has various payment method that customer can choose as their preferences.
- Customer information:
  Fields for customer names, contact number, address as it makes it easier for order management.
- User-friendly:
  Provides greeting when customer get into the system.

Kaizen (Room for improvement):

- Order tracking:
  Add prompt for user to enter their order details to track their order status.
- Update function:
  Make shopping cart lists permanently so that customer can save their album and return to it after accidentally close the system. User can change their order or information without start from scratch again.
- Login:
  Ask user to login the system before system to ensure the safety and prevent unauthorized access and protects payments information, order history and personal information.
- Add logo:
  Help users instantly recognize this system service and adding aesthetics to the interface. Other than that, a well-designed logo keeps the system's or company's values and branding at the top of users' minds.

Flowchart:


start
1. Displays albums
Select album?
YES
NO
Enter quantity
Add to cart?
YES
NO
Add album to cart
Enter customer info
Select payment method
Apply discount code?
YES
NO
Back to display album
Calculate total
Show summary
Exit application
end