CDIM 144 - DIPLOMA IN INFORMATICS LIBRARY

IML 208 PROGRAMMING FOR LIBRARIES

INDIVIDUAL ASSIGNMENT:
MANGA BOOKING SYSTEM

PREPARED BY
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KCDIM1443 E

PREPARED FOR
SIR MOHD FIRDAUS BIN MOHD HELMI

SUBMISSION DATE
WEEK 10

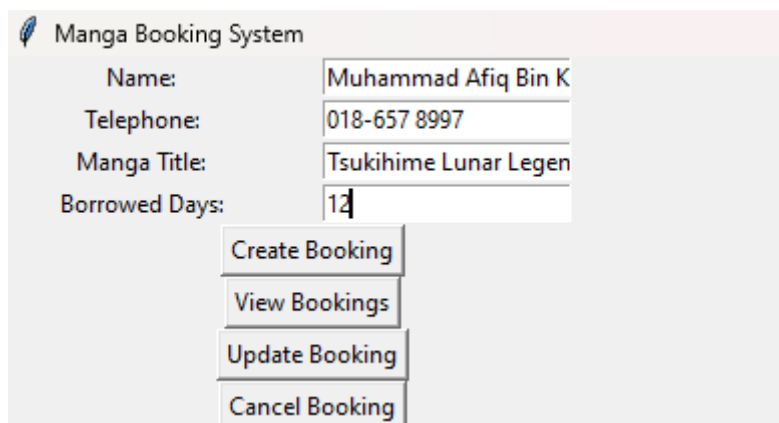Project Name: Manga Booking System

File name: Mangabookingsystem.py

Prompt Data:

    i)   Name
    ii)   Telephone number
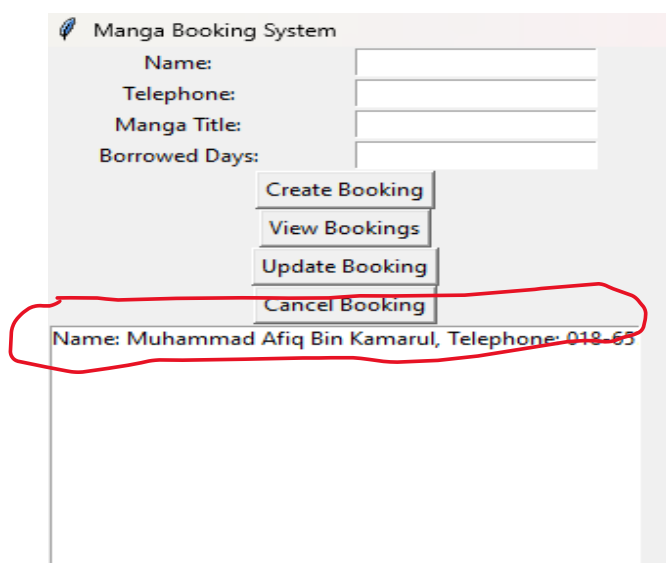   iii)   Manga tittle
    iv)   Number of borrowed days

Function:

    i.   Create the data

    ii.   Read the data

iii.   Update the data

Before update the data of customer borrowed days

Booking update successfully

After update the data of customer borrowed days

iv.   Delete the data

Before delete the data

Order cancels successfully

No booking is available

Conditional Statement: Yes

```
53  def main():
54      bookings = []
55      while True:
56          show_menu()
57          choice = input("Choose an option (1-5): ")
58          if choice == "1":
59              create_booking(bookings)
60          elif choice == "2":
61              view_bookings(bookings)
62          elif choice == "3":
63              update_booking(bookings)
64          elif choice == "4":
65              delete_booking(bookings)
66          elif choice == "5":
67              print("Exiting Manga Booking System. Goodbye!")
68              break
69          else:
70              print("Invalid choice. Please try again.")
71
72  if __name__ == "__main__":
73      main()
```

GUI: Yes

Result: Screenshot

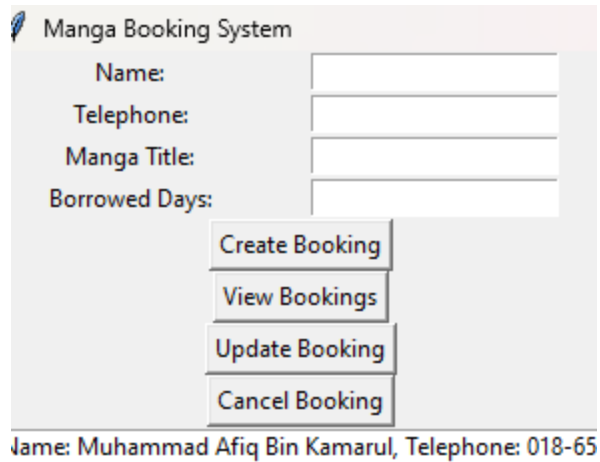
Manga Booking System
Name:
Telephone:
Manga Title:
Borrowed Days:
Create Booking
View Bookings
Update Booking
Cancel Booking
Name: Muhammad Afiq Bin Kamarul, Telephone: 018-65

Strengths:

Comprehensive Functionality:

- The application supports essential CRUD (Create, Read, Update, Delete) operations, making it versatile and functional for managing bookings.
- Each action (create, view, update, delete) is well-defined and clearly implemented.

User Feedback:

- Utilizes messagebox that providing immediate feedback to users, such as success or error messages and it also enhancing user experience.
- This ensures users are informed about the outcome of their actions and reducing their confusion.

Clear Layout:

- The GUI layout is clean and straightforward, with labels, entry fields, buttons, and a listbox organized in a logical manner.

Add input validation for users:

Currently, there's minimal input validation. Users might enter invalid data. For example, letters in "Borrowed Days" or an incorrect telephone format.

User-friendly error messages:

The error messages are functional but could be more descriptive and user-focused.

Improved UI design:

the GUI layout works but could be more visually appealing.