

UNIVERSITI TEKNOLOGI MARA (UiTM) KEDAH, KAMPUS SUNGAI PETANI

SCHOOL OF INFORMATION SCIENCE COLLEGE OF COMPUTING, INFORMATICS AND MATHEMATICS DIPLOMA IN LIBRARY INFORMATICS (CDIM144)

PROGRAMMING FOR LIBRARIES (IML208)

INDIVIDUAL ASSIGNMENT: TICKET BUS BOOKING SYSTEM

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SUBMISSION DATE:

18th DECEMBER 2024

ACKNOWLEDGEMENT

Assalamualaikum w.b.t,

Alhamdulillah, I want to thank God for making it easier for me to complete my

assignment. With his help, I was able to complete this assignment successfully.

I, as a student from CDIM144 library informatics, would like to express my appreciation

to my lecturer, Sir Mohd Firdaus bin Mohd Hilmie he always helps me complete this

assignment by giving clear explanations. Without his attention and supervision, it would be

difficult for me to complete this assignment well.

Last but not least, I also want to thank my classmates who were involved directly or

indirectly in helping me while I completed this assignment. They helped me a lot by answering

my questions in the group or in personal messages that could eliminate my confusion and

doubts.

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PROJECT NAME: Ticket Bus Booking System

FILE NAME: ticketbusbookingsystem.py

PROMPT DATA:

- i. Name
- ii. Age
- iii. Gender
- iv. Ticket Number

FUNCTION:

Create data

ii. Read data

```
Enter your choice: 2

Current Bookings:

1. Ticket Number: 1223
Name: syasya
Age: 23
Gender: Female

2. Ticket Number: 1224
Name: suhaiza
Age: 24
Gender: Female
```

iii. Update data

Before:

```
Enter your choice: 3

Current Bookings:

1. Ticket Number: 1223
Name: syasya
Age: 23
Gender: Female

2. Ticket Number: 1224
Name: suhaiza
Age: 24
Gender: Female
Enter Booking Number to Update: 2
```

After:

```
Enter your choice: 2

Current Bookings:
1. Ticket Number: 1223
   Name: syasya
   Age: 23
   Gender: Female
2. Ticket Number: 1224
   Name: suhaiza
   Age: 23
   Gender: Female
```

iv. Delete existing data

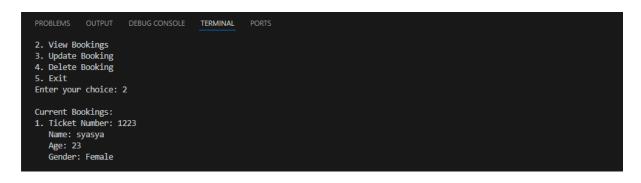
Before:

```
Current Bookings:

1. Ticket Number: 1223
Name: syasya
Age: 23
Gender: Female

2. Ticket Number: 1224
Name: suhaiza
Age: 23
Gender: Female
Enter Booking Number to Delete: 2
Success: Booking deleted successfully!
```

After:



CONDITIONAL STATEMENT: Yes

```
if num_tickets <= 0:
    print("Error: Please enter a valid number of tickets.")
    return

# Loop to get details for each ticket
for i in range(1, num_tickets + 1):
    print("Enter details for Ticket [i]:")
    name = input("Enter your name: ")
    age = input("Enter your age: ")
    gender = input("Enter your gender: ")

# Validate that all fields are filled
if not name or not age or not gender or not ticket_number:

# Validate that all fields are required!")
return

# Add the booking to the list
booking = {
    "name: name,
    "age": age,
    "gender": gender,
    "ticket_number": ticket_number
}

bookings.append(booking)
```

```
new_ticket_number = input("New Ticket Number: ")

if new_name:
    | booking["name"] = new_name
    | if new_name:
    | booking["ge"] = new_age
    | if new_gender:
    | booking["ge"] = new_gender
    | if new_ticket_number:
    | booking["ticket_number"] = new_ticket_number
    | print("Success: Booking updated successfully!")
else:
    | print("Error: Invalid booking number!")
except ValueError:

# Function to delete a booking():
view_booking():
view_booking():
view_booking():
view_booking():
view_booking():
del booking(number = int(input("Enter Booking Number to Delete: ")) - 1
if @ < booking_number = int(input("Enter Booking Number to Delete: ")) - 1
print("Success: Booking deleted successfully!")
else:
    | print("Success: Booking deleted successfully!")
else:
    | print("Fror: Invalid booking number!")
except ValueError:
print("Success: Booking deleted successfully!")
else:
    | print("Fror: Please enter a valid number.")
```

GUI: No

Result:

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C: Ulsers\Ulser\Downloads> & C:/Users\Ulser\AppData/Local/Programs/Python/Python313/python.exe c:/Users/User/Downloads/#ticketbusbookingsystem.py

Bus Ticket Booking System
1. Create Booking Subdirings
2. View Bookings
3. Update Booking
5. Exit Enter your choice: 1

How many tickets do you want to purchase? 2

Enter details for Ticket 1:
Enter your name: systys Enter your name: systys Enter your name: systys Enter your name: subdize Enter your name: Sicket 2:
Enter your name: Sicket 3

Enter your benefit female
Enter your clicket number: 1224

Bus Ticket Booking System
1. Create Booking
2. View Bookings
3. Update Booking
5. Exit Enter your choice: 2

Current Bookings:
1. Ticket Number: 1223

Name: Systysy
Age: 23
Gender: Female
```

```
Current Bookings:
1. Ticket Number: 1223
Name: syasya
Age: 23
Gender: Female
2. Ticket Number: 1224
Name: substatza
4. Delate Booking
5. Exit
Enter your choice: 3
Current Bookings:
1. Ticket Number: 1224
Name: substatza
Age: 24
Gender: Female

Bus Ticket Booking
5. Exit
Enter your choice: 3
Current Bookings:
1. Ticket Number: 1223
Name: syasya
Age: 23
Gender: Female

Enter Bookings:
2. Ticket Number: 1224
Name: substatza
Age: 24
Gender: Female

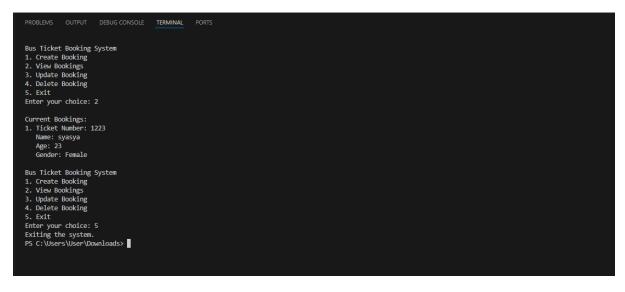
Enter Bookings:
3. Update Booking
5. Exit
Enter your choice: 3
Current Bookings:
4. Ticket Number: 1223
Name: syasya
Age: 23
Gender: Female
Enter Booking Number to Update: 2
Enter new details (Leave blank to keep current):
New Name:
New Age: 23
New Gender:
New Ticket Number:
Success: Booking updated successfully!
```

```
Bus Ticket Booking System
1. Create Booking
2. View Bookings
3. Update Booking
5. Exit
Enter your choice: 2

Current Bookings:
1. Ticket Number: 1223
Name: systya
Age: 23
Gender: Female

Bus Ticket Booking System
1. Ticket Number: 1224
Name: Shaitza
Age: 23
Gender: Female
Current Bookings:
1. Ticket Number: 1224
Name: Shaitza
Age: 23
Gender: Female
Current Booking
5. Exit
Enter your choice: 4

Current Booking
6. Delete Booking
7. Living Booking
7. Living Rooking
8. Living Booking
8. Living Boo
```



Strength:

- Easy to manage and view records at any time by use the Create, Read, Update, and Delete (CRUD) bookings and making it easier to the users to booking the ticket smoothly.
- 2. The systems is user friendly interface which making it easy to navigate the program that uses a clean menu-driven approach while the prompts are clear and ensure smooth user input in the systems.
- 3. The systems handled the errors for invalid input with gracefully with appropriate messages and it also can handle the multiple ticket booked at once with efficient and user-friendly.

Kaizen (Room for improvement):

- 1. I will suggest to add the gender, whether male or female on every seat that people have booked to make it more easier for them to choose wherever they want to seat and much more comfortable.
- 2. I will add the seat number and type of bus to make it easier to the users so that they do not miss the bus and can easily find a seat without getting mixed up.
- 3. Add the date and time of the ticket bus so that the users can set the time and date that has been provided on the ticket their schedule and can avoid missing the bus.

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