



FACULTY OF INFORMATION MANAGEMENT

UNIVERSITY TEKNOLOGI MARA

MERBOK, KEDAH

DIPLOMA IN LIBRARY INFORMATICS

(IM144)

PROGRAMMING FOR LIBRARIES

(IML208)

INDIVIDUAL ASSIGNMENT

EVENT HALL BOOKING SYSTEM

BY:

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PREPARED FOR:

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EVENT HALL BOOKING SYSTEM

Project Name: Event Hall Booking System

File Name: Eventbooking.py

Prompt Data:

- 1.Customer Name
2. Date
3. Time
4. Add Booking
5. Remove Booking
6. Check Availability
- 8.View Bookings

Function:

1. Adds a booking to the system by creating an Event and DetailCust object and checking availability.
2. Removes a booking from the system based on the provided booking number.
3. Checks the availability of the event hall for a given date and time range.
4. Displays the existing bookings in a message box.

Conditional Statement: Yes

If & Else

GUI: Yes

Add Booking

Name: Nur Adhiah

Date: 1/2/2024

Time: 12:00pm - 2:00pm

Book Event

Remove Booking

Booking Number:

Remove Booking

Booking Success

Booking added successfully!

OK

View Bookings

Add Booking

Name:

Date:

Time:

Book Event

Remove Booking

Booking Number:

Remove Booking

View Bookings

Existing bookings:

1. Nur Adhiah - 1/2/2024, 12:00pm - 2:00pm-12:00pm - 2:00pm

Customer: , ,

OK

View Bookings

Add Booking

Name:

Date:

Time:

Book Event

Remove Booking

Booking Number:

Remove Booking

Check Availability

Date: 1/2/2024

Start Time: 3:00pm

End Time: 4:00pm

Check Availability

View Bookings

Add Booking

Name:

Date:

Time:

Book Event

Remove Booking

Booking Number:

Remove Booking

Availability

The hall is already booked for that time.

OK

View Bookings

Add Booking

Name:

Date:

Time:

Book Event

Remove Booking

Booking Number: 1

Remove Booking

Booking Removal

Booking removed successfully!

OK

View Bookings

Strength:

1. The application provides a simple graphical user interface (GUI) for managing event hall bookings.
2. It allows users to add bookings, remove bookings, check availability, and view existing bookings.
3. The system maintains a list of bookings and provides feedback to the user through message box alerts.

Kaizen (improvement):

1. Add appropriate error handling for invalid user inputs, such as non-numeric values for booking numbers or incorrect date/time formats.
2. Implement additional input validation to ensure that the user enters valid and complete information for bookings.
3. Provide more detailed error messages to assist users in resolving issues, such as specifying the reason for availability conflicts.
4. Consider using different widget types (e.g., Calendar widget for date selection) to improve the user experience and provide more intuitive input options.
5. Implement a way to store the bookings persistently, such as using a database or file system, to maintain the data even after application restarts.