

UNIVERSITI TEKNOLOGI MARA KEDAH BRANCH

SCHOOL OF INFORMATION SCIENCE

COLLEGE OF COMPUTING, INFORMATICS AND MATHEMATICS DIPLOMA IN INFORMATION MANAGEMENT (IM144) IML208: PROGRAMMING FOR LIBRARIES

GROUP PROJECT:

HALL BOOKING SYSTEM

Prepared by: MUHAMMAD NAZHAN SYAHMI (2022261582)

MUHAMMAD IZZAT SYAHMI BIN MOHAMMAD NIZAM (2022661584)

LUZMAN AL-THAQIF BIN NARZARUDDIN (2022860858)

GROUP KIM1443E.

Prepared for: SIR AIRUL SHAZWAN BIN NORSHAHIMI

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TITLE OF ASSIGNMENT:

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PREPARED BY:

MUHAMMAD NAZHAN SYAHMI BIN SAIFUL RIDZUAN (2022261582)
MUHAMMAD IZZAT SYAHMI BIN MOHAMMAD NIZAM (2022661584)
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IM144 – DIPLOMA IN LIBRARY INFORMATION SCHOOL OF INFORMATION SCIENCE

COLLEGE OF COMPUTING, INFORMATICS AND MATHEMATICS

UNIVESITI TEKNOLOGI MARA (UITM)

KEDAH BRANCH

Acknowledgement

Assalamualaikum W.B.T

We would like to convey our sincere gratitude to our lecturer SIR AIRUL SHAZWAN BIN NORSHAHIMI for his guidance and for helping us in completing our assignment. This assignment is understandable because of his help. As students we are still learning. While completing this assignment, we learnt something new and valuable.

Other than that, we would like to thank all our friends for inviting us to do this assignment together and showing us how it is done. Their help in giving clarity to doubt by answering all of our questions, help us with finishing our assignment. Finally, we also would like to thank our family for their support in accomplishing this assignment. Their support gave us motivation to not give up and charge through the wall.

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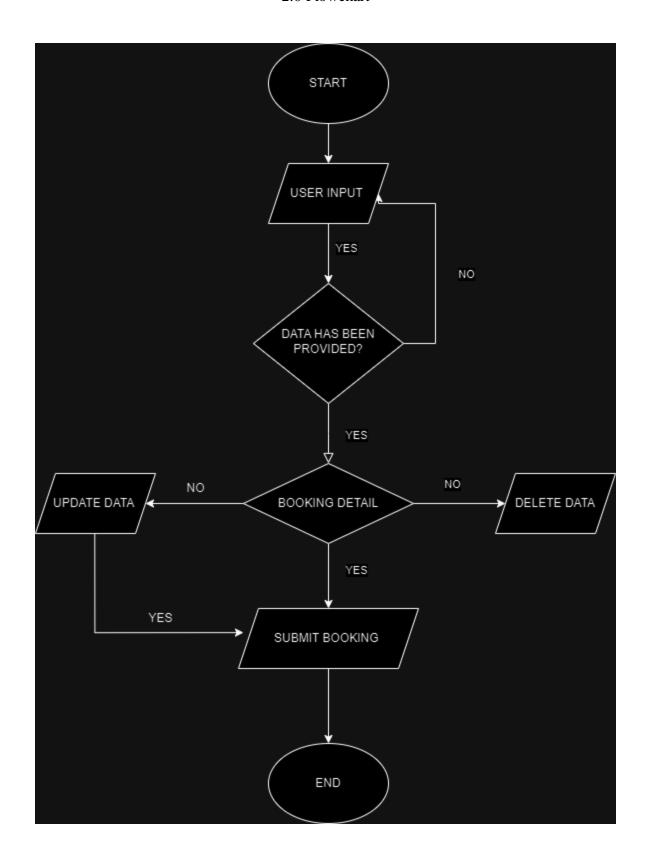
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1.0 Introduction

In this final project, our focus is directed towards the complex landscape of event management, where we discuss the details of creating and implementing a strong hall booking system using Tkinter in Python. The goal is to create a graphical user interface (GUI) that is easy to use and simple so that people may schedule event venues with ease. Important information is recorded by the system, such as the user's complete name, email address, wanted hall, date, and event time. Our code ensures a responsive and well-rounded user experience by smoothly integrating features for submission, changing current bookings, and efficiently deleting reservations, all without compromising on surface aesthetics.

This assignment presents a chance to improve problem-solving abilities, user interface design expertise, and general programming knowledge as we set out on our adventure. Our hall booking system not only meets but beyond the expectations of users involved in event planning by striking a balance between aesthetic appeal and practical effectiveness. This shows the potential of programming in creating focused on users solutions for modern difficulties in event management. We hope that with this assignment, it will help students to get a better knowledge of software development in the context of event management by offering a hands-on experience that bridges the gap between theoretical programming principles and their actual implementation.

2.0 Flowchart



3.0 Snapshot of code

```
event_name_label.grid(row-3, column-0, padx-10, pady-10, sticky="c")
event_name_entry.grid(row-3, column-1, padx-10, pady-10, sticky="c")
hall_name_label.grid(row-4, column-1, padx-10, pady-10, sticky="c")
hall_name_combobox.grid(row-4, column-1, padx-10, pady-10, sticky="c")
hall_name_combobox.grid(row-5, column-0, padx-10, pady-10)
update_button.grid(row-5, column-1, padx-10, pady-10)
update_button.grid(row-5, column-1, padx-10, pady-10)
delete_button.grid(row-5, column-1, padx-10, pady-10)
delete_button.grid(row-5, column-1, padx-10, pady-10)
delete_button.grid(row-5, column-2, padx-10, pady-10)
delete_button.grid(row-5, column-2, padx-10, pady-10)

def submit_booking():

if not from_time_combobox.get() or not until_time_combobox.get() or not calendar_entry.get() or not event_name_entry.get() or not hall_name_combobox.get():

messagebox.showsarring("Marning", "Please fill in all the required fields.")

### Gather input data by user
full_name = full_name_entry.get()
enail = enail_entry.get()
enail = enail_entry.get
```

```
# Insert booking data
insert_booking_sql = "INSERT INTO 'booking info' (full_name, email, hall_name, time_from, time_to, date, event_name)

insert_booking_sql = "INSERT INTO 'booking info' (full_name, email, hall_name, time_from, time_to, date, event_name)

try:

## wyoursor.execute(insert_booking_sql, insert_booking_val)

## wyoursor.execute(insert_booking_sql, insert_booking_val)

## wyoursor.execute(insert_booking_sql, insert_booking_val)

## wyoursor.execute(insert_booking_sql, insert_booking_information has been successfully inserted.")

## wyoursor.execute(insert_booking_sql, insert_booking information has been successfully inserted.")

## wyoursor.execute(insert_booking_sql, insert_booking_data: (e)")

## wyoursor.execute(insert_booking_sql, insert_booking information has been successfully inserted.")

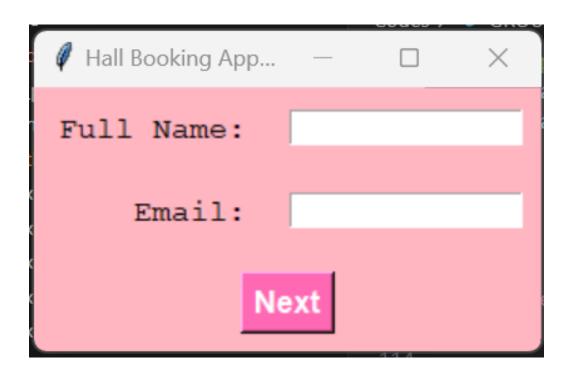
## wyoursor.execute(insert_booking_sql, insert_booking_data: (e)")

## wyoursor.execute(insert_booking_sql, until_time_combobox.get() or not calendar_entry_get() or not event_name_entry_get() or not hall_name_combobox.get():

## wyoursor.execute(insert_booking_sql, until_time_combobox.get()

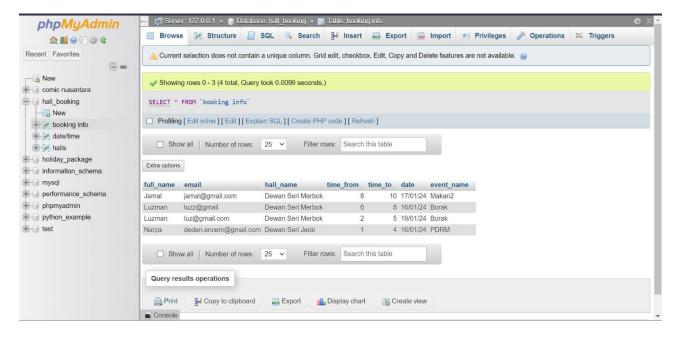
## wyoursor.execute(insert_booking_sql, update_booking_sql, update_sql, update_s
```

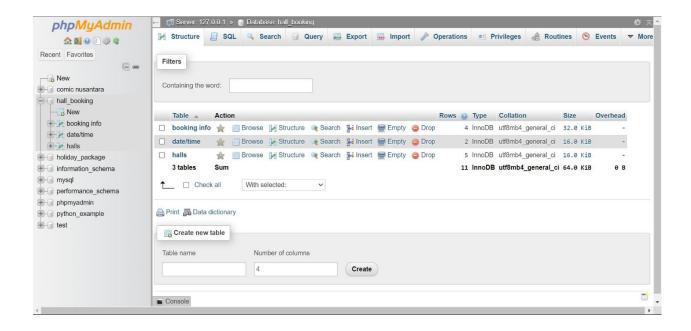
4.0 Snapshot of GUI

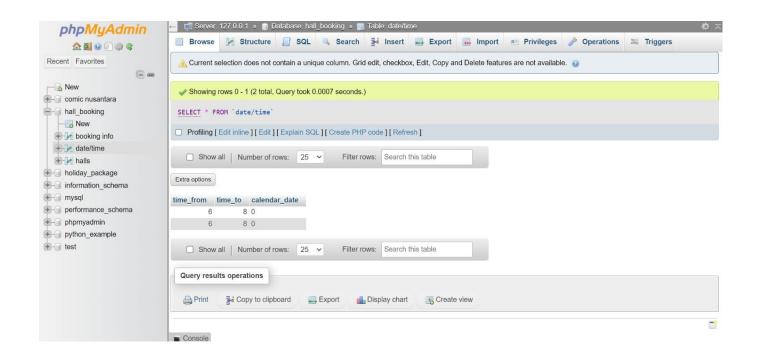


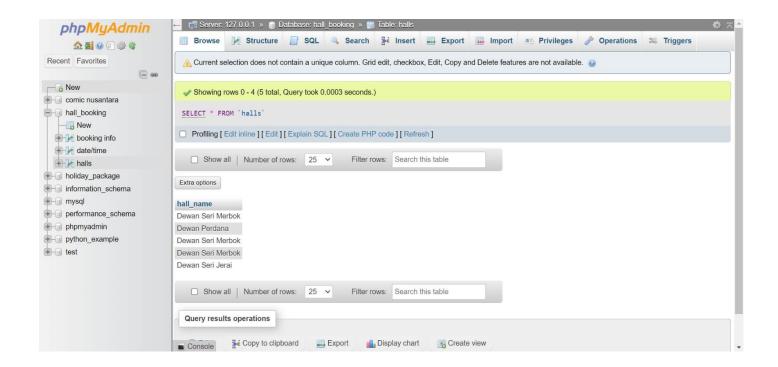
Hall Booking Applica	ation —	
From:		<u>~</u>
To:		<u>~</u>
Date:	16/01/24 ~	
Event Name:		
Hall Name:		▽
Submit	Update	Delete

5.0 Snapshot of Database









THANK YOU