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UNIVERSITI
TEKNOLOGI
MARA

SCHOOL OF INFORMATION SCIENCE,
COLLEGE OF COMPUTING INFORMATICS AND MEDIA,
UNIVERSITI TEKNOLOGI MARA
MERBOK, KEDAH

DIPLOMA IN LIBRARY INFORMATICS
(CDIM144)

PROGRAMMING FOR LIBRARY
(IML208)

“INDIVIDUAL ASSIGNMENT”

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PREPARED FOR:
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SUBMISSION DATE:
4TH JANUARY 2024

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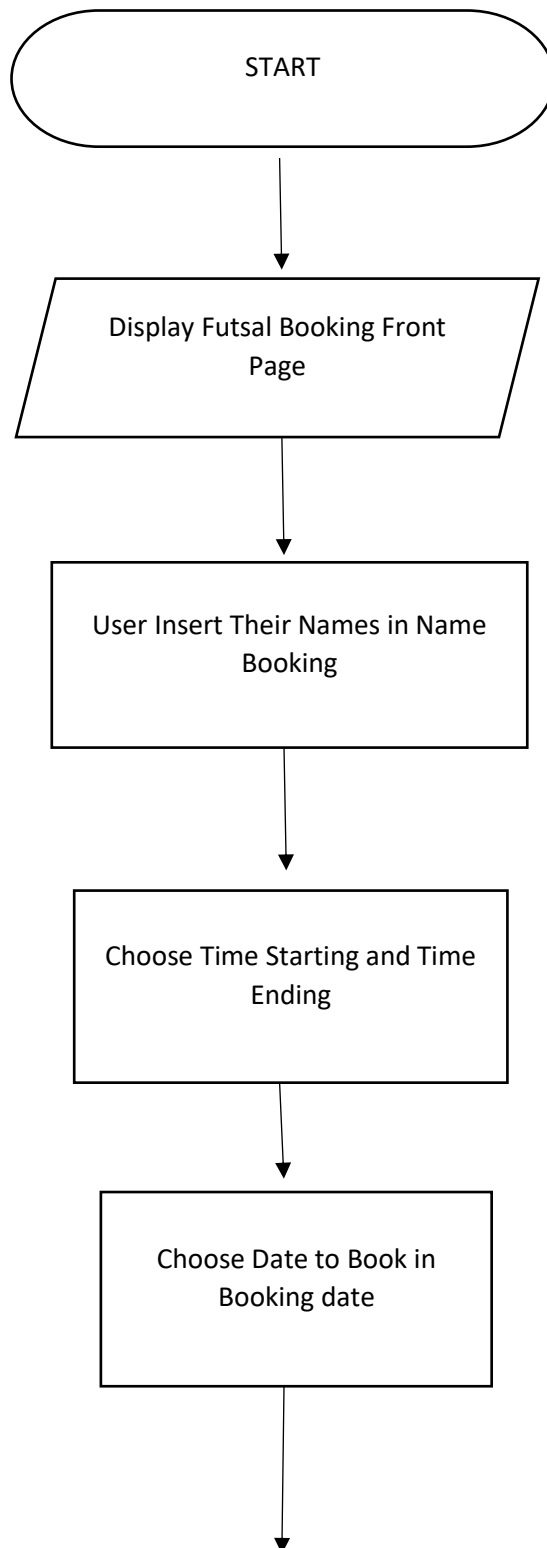
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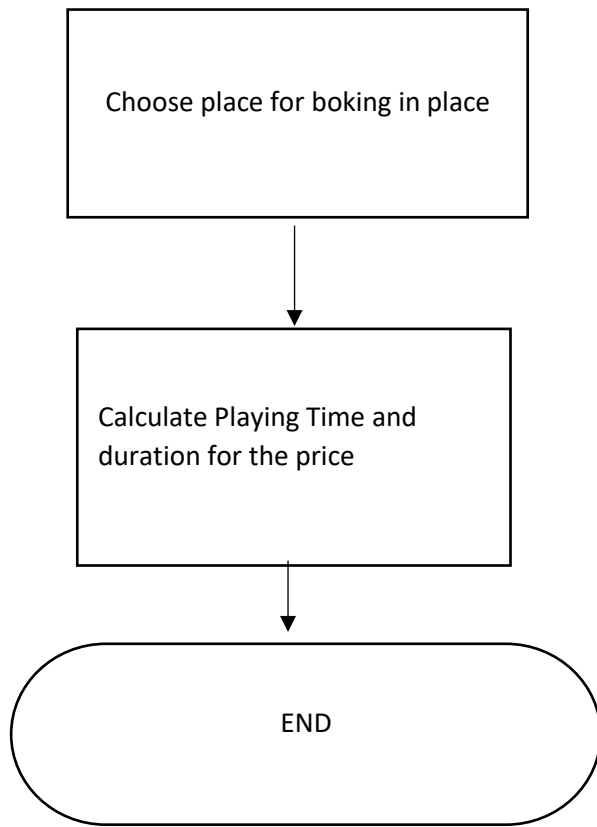
1.0 INTRODUCTION

This project focuses on booking futsal in peace so that consumers can book within the time frame specified. This can simplify the user's duty because the user just needs to fill in and continue to be entered into the database to order. The user only needs to enter the name, start time, finish time, duration, place, and hour, and then compute the hour and fee based on the duration.

Filling out all of the terms for participation is more productive for users. This is convenient for them because they can choose the date and location they choose, and it will be simple for people who want to book futsal quickly.

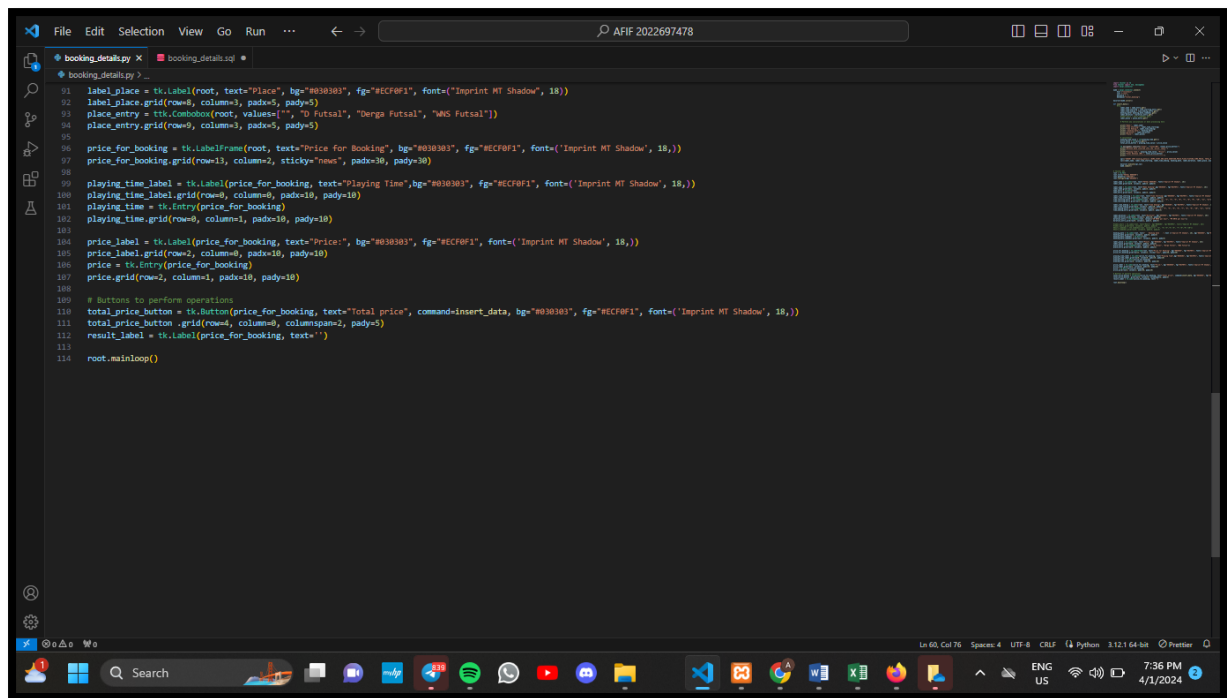
2.0 FLOWCHART





3.0 SNAPSHOT OF CODE

```
File Edit Selection View Go Run ... AFIF 2022697478
booking_details.py X booking_details.py
1 import tkinter as tk
2 from tkinter import ttk, messagebox
3 import mysql.connector
4
5 mydb = mysql.connector.connect(
6     host="localhost",
7     user="root",
8     password="",
9     database="futsal_booking")
10
11 mycursor=mydb.cursor()
12
13 def insert_data():
14     try:
15         label_name = name_entry.get()
16         label_time_starting = time_starting_entry.get()
17         label_time_ending = time_ending_entry.get()
18         booking_date = booking_date_combobox.get()
19         label_duration = duration_entry.get()
20         label_hours = hours_combobox.get()
21         label_place = place_entry.get()
22
23         # Perform any calculations or data processing here
24
25         print("Name:", label_name)
26         print("Time starting:", label_time_starting)
27         print("Time ending:", label_time_ending)
28         print("Booking date:", booking_date)
29         print("Duration:", label_duration)
30         print("Place:", label_place)
31
32         # calculation
33         playing_time_value = int(playing_time.get())
34         price_value = int(price.get())
35         total_price_button = playing_time_value * price_value
36
37         tk.messagebox.showinfo("Total", f"Total RM: {total_price_button}")
38         print("Revenue data inserted into the 'price' table.")
39         print("-----")
40         print("Playing Time:", playing_time_value, "Price:", price_value)
41         print("Total Revenue (RM):", total_price_button)
42         print("-----")
43
44         sql = "INSERT INTO booking_details (NAME,START,END,DATE,DURATION,PRICE,PLACE,PLAYING_TIME,PRICE, TOTAL_PRICE) VALUES(%s,%s,%s,%s,%s,%s,%s,%s,%s,%s)"
45         val=(label_name, label_time_starting, label_time_ending, booking_date, label_duration, label_place, playing_time_value, price_value, total_price_button)
46         mycursor.execute(sql,val)
47         mydb.commit()
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4.0 SNAPSHOT OF GUI

The image shows a window titled "FUTSAL BOOKING" with a dark background. The window contains a form with the following elements:

- Name booking**: A text input field.
- Time Starting**: A dropdown menu.
- Time Ending**: A dropdown menu.
- Booking date**: A text input field followed by a colon.
- Duration**: A dropdown menu.
- Place**: A dropdown menu.
- Price for Booking**: A section containing:
 - Playing Time**: A text input field.
 - Price:**: A text input field.
 - Total price**: A text input field.

5.0 SNAPSHOT OF DATABASE

The screenshot shows the phpMyAdmin interface with the 'booking_details' table selected. The table structure is visible, and the data is displayed in a grid. The table has columns: NAME, START, END, DATE, DURATION_PRICE, PLACE, PLAYING_TIME, PRICE, and TOTAL_PRICE. The data shows 8 rows of booking information.

NAME	START	END	DATE	DURATION_PRICE	PLACE	PLAYING_TIME	PRICE	TOTAL_PRICE
MUHAMMAD HANIF AIMAN BIN KAMARUZAMAN	3	5	6 February 2024	PM RM70 per hour	WNS Futsal	2	70	140
Muhammad Izzat Bin Jamal	6	8	20 February 2024	AM RM50 per hour	WNS Futsal	2	50	100
IRFAN	8	10	6 February 2024	PM RM70 per hour	Derga Futsal	2	70	140
SALSABILA	4	6	13 February 2024	PM RM70 per hour	D Futsal	2	70	140
muaz	1	3	2 March 2024	PM RM70 per hour	D Futsal	2	70	140
muaz	0	0				3	70	210
muaz	2	3	13 February 2024	PM RM70 per hour	D Futsal	2	70	140
syawal	4	6	12/12/2012	PM RM70 per hour	D Futsal	3	70	210

The screenshot shows the phpMyAdmin interface with the 'booking_details' table structure displayed. The table has 9 columns: NAME, START, END, DATE, DURATION_PRICE, PLACE, PLAYING_TIME, PRICE, and TOTAL_PRICE. The structure shows the data types, collations, and attributes for each column.

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	NAME	text	utf8mb4_general_ci		No	None			Change Drop More
2	START	int(1)			No	None			Change Drop More
3	END	int(1)			No	None			Change Drop More
4	DATE	varchar(30)	utf8mb4_general_ci		No	None			Change Drop More
5	DURATION_PRICE	varchar(30)	utf8mb4_general_ci		No	None			Change Drop More
6	PLACE	text	utf8mb4_general_ci		No	None			Change Drop More
7	PLAYING_TIME	int(1)			No	None			Change Drop More
8	PRICE	int(2)			No	None			Change Drop More
9	TOTAL_PRICE	int(5)			No	None			Change Drop More