



اُنِيْوَرْسِيْٓتِيْٓ تِكْنُوْلُوْجِيْٓ مَلَاِيْزِيَا
UNIVERSITI
TEKNOLOGI
MARA

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

DIPLOMA IN LIBRARY INFORMATICS
(CDIM144)

PROGRAMMING FOR LIBRARIES
(IML 208)

INDIVIDUAL ASSIGNMENT:
ONLINE CONFERENCE REGISTRATION

BY:
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CLASS: KCDIM1443E

PREPARED FOR:
SIR AIRUL SHAZWAN BIN NORSHAMIMI

SUBMISSION DATE:
4TH JANUARY 2024

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1.0 INTRODUCTION

An online conference is a meeting or discussion that involves two or more participants in different locations. It allows people from anywhere in the world to come together and communicate in an effective way. It takes place over the internet using a virtual conference platform, with a reliable internet connection.

Furthermore, I chose this topic because it attracts me the most to learn more about it. I believe online conference is truly important because it is particularly helpful. For example, when a team has members from different locations or when there is a need to discuss something in real time, it allows for flexible schedules and the ability to access information from anywhere, making it an efficient way to facilitate a meeting or discussion. Moreover, online conference offers the benefit of face-to-face communication without the need for travel, pay for the accommodations so it can save time and money. Additionally, an online conference can provide an opportunity to reach a larger audience than traditional meetings would allow. People will easily connect and it opens up more opportunities for discussion.

People need to know that before they get involved with an online conference, they need to register first. There are conferences that are free and some that require payment to register. So in this report, I have prepared processes regarding an online conference registration that is needed to be paid to be involved with it.

2.0 FLOWCHART

This is my flowchart for my individual assignment topic, which is online conference registration.

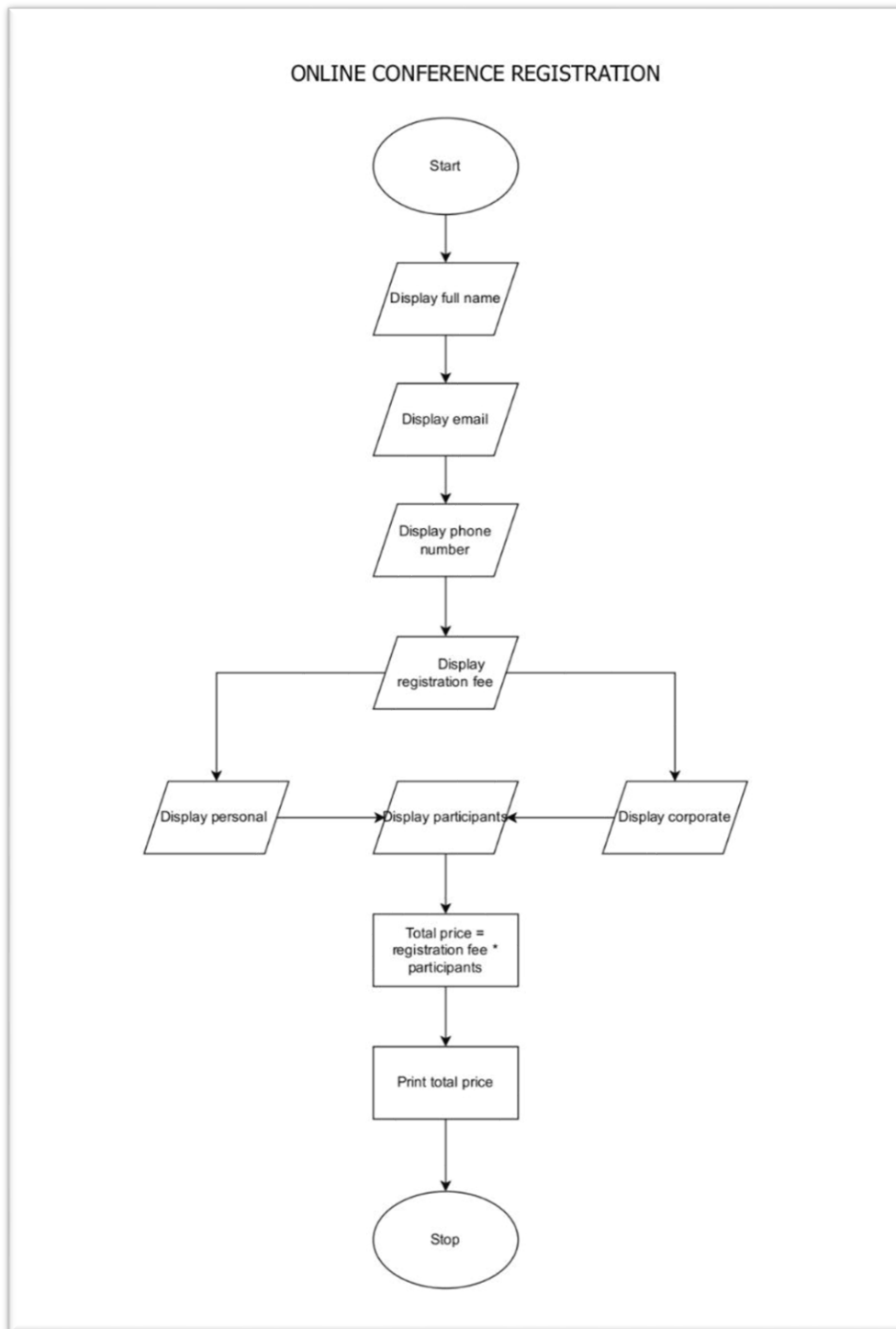
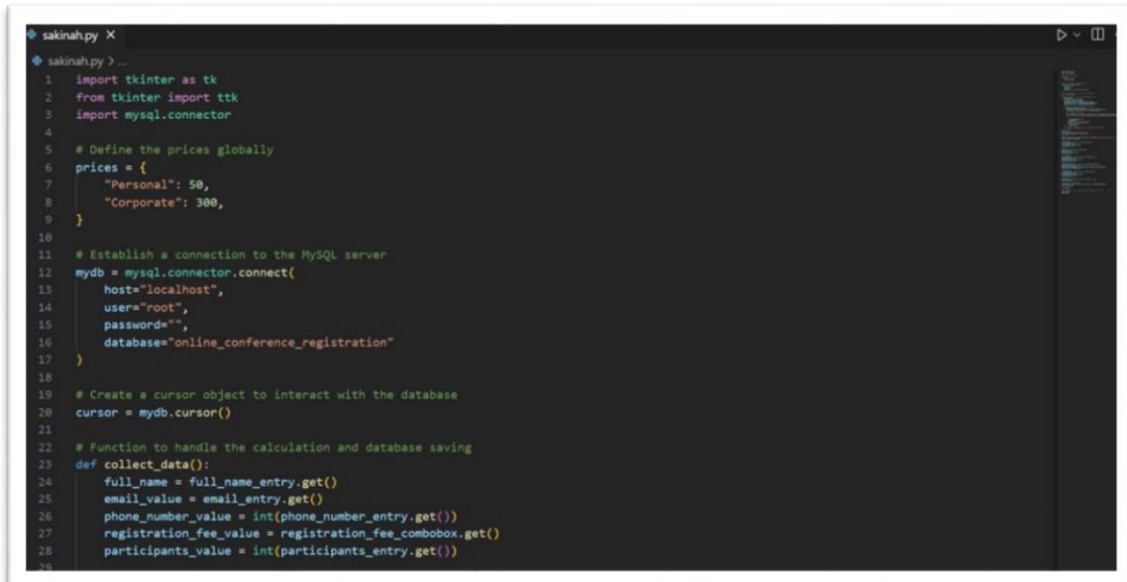


Diagram 1 : Flowchart

3.0 SNAPSHOT OF CODE

This is my python coding my individual assignment topic, which is online conference registration.



```
sakinah.py X
sakinah.py > ...
1 import tkinter as tk
2 from tkinter import ttk
3 import mysql.connector
4
5 # Define the prices globally
6 prices = {
7     "Personal": 50,
8     "Corporate": 300,
9 }
10
11 # Establish a connection to the MySQL server
12 mydb = mysql.connector.connect(
13     host="localhost",
14     user="root",
15     password="",
16     database="online_conference_registration"
17 )
18
19 # Create a cursor object to interact with the database
20 cursor = mydb.cursor()
21
22 # Function to handle the calculation and database saving
23 def collect_data():
24     full_name = full_name_entry.get()
25     email_value = email_entry.get()
26     phone_number_value = int(phone_number_entry.get())
27     registration_fee_value = registration_fee_combobox.get()
28     participants_value = int(participants_entry.get())
29
```

Diagram 2 : Snapshot of Code



```
30 # Check if the selected item exists in the dictionary
31 if registration_fee_value in prices:
32     total_price = prices[registration_fee_value] * participants_value
33     output_label.config(text=f"Total Price: RM{total_price}")
34
35 # Inserting data into a table
36 sql = "INSERT INTO 'registration' (full_name, email, phone_number, registration_fee, participants, total_price) VALUES (%s, %s, %s, %s, %s, %s)"
37 val = (full_name, email_value, phone_number_value, registration_fee_value, participants_value, total_price)
38
39 try:
40     cursor.execute(sql, val)
41     mydb.commit()
42     print("Data inserted successfully!")
43 except mysql.connector.Error as err:
44     print(f"Error: {err}")
45     mydb.rollback()
46 else:
47     output_label.config(text="Invalid registration fee selection")
48
49 # Tkinter GUI
50 root = tk.Tk()
51 root.title("ONLINE CONFERENCE REGISTRATION")
52 root.geometry("600x400") # Adjusted the size
53
54 # Page Title
55 label = tk.Label(root, text='ONLINE CONFERENCE REGISTRATION', font=("Times New Roman", 14, "bold"))
56 label.pack(ipadx=10, ipady=10)
57
```

Diagram 3 : Snapshot of Code

```

58 # Full Name
59 full_name_label = tk.Label(root, text="FULL NAME:")
60 full_name_label.pack()
61 full_name_entry = tk.Entry(root)
62 full_name_entry.pack()
63
64 # Email
65 email_label = tk.Label(root, text="EMAIL:")
66 email_label.pack()
67 email_entry = tk.Entry(root)
68 email_entry.pack()
69
70 # Phone Number
71 phone_number_label = tk.Label(root, text="PHONE NUMBER:")
72 phone_number_label.pack()
73 phone_number_entry = tk.Entry(root)
74 phone_number_entry.pack()
75
76 # Registration info
77 registration_fee_label = tk.Label(root, text="REGISTRATION FEE:")
78 registration_fee_label.pack()
79 registration_fee_combobox = ttk.Combobox(root, values=list(prices.keys()))
80 registration_fee_combobox.pack()
81
82 # Participants
83 participants_label = tk.Label(root, text="PARTICIPANTS:")
84 participants_label.pack()
85 participants_entry = tk.Entry(root)
86 participants_entry.pack()

```

Diagram 4 : Snapshot of Code

```

93 insert_button = tk.Button(root, text="Insert Data", command=collect_data)
94 insert_button.pack()
95
96 root.mainloop()
97
98 # Close the cursor and the connection when the application is closed
99 cursor.close()
100 mydb.close()
101

```

Diagram 5 : Snapshot of Code

4.0 SNAPSHOT OF GUI

This is my snapshot of GUI for my individual assignment topic, which is online conference registration.

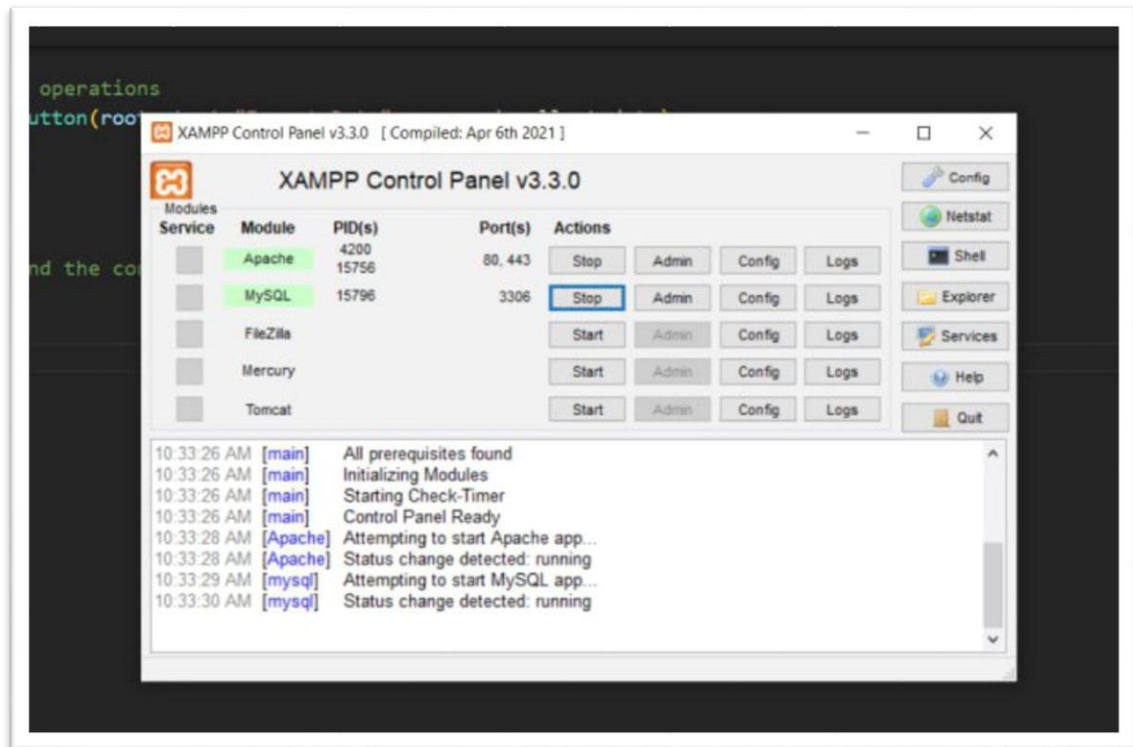
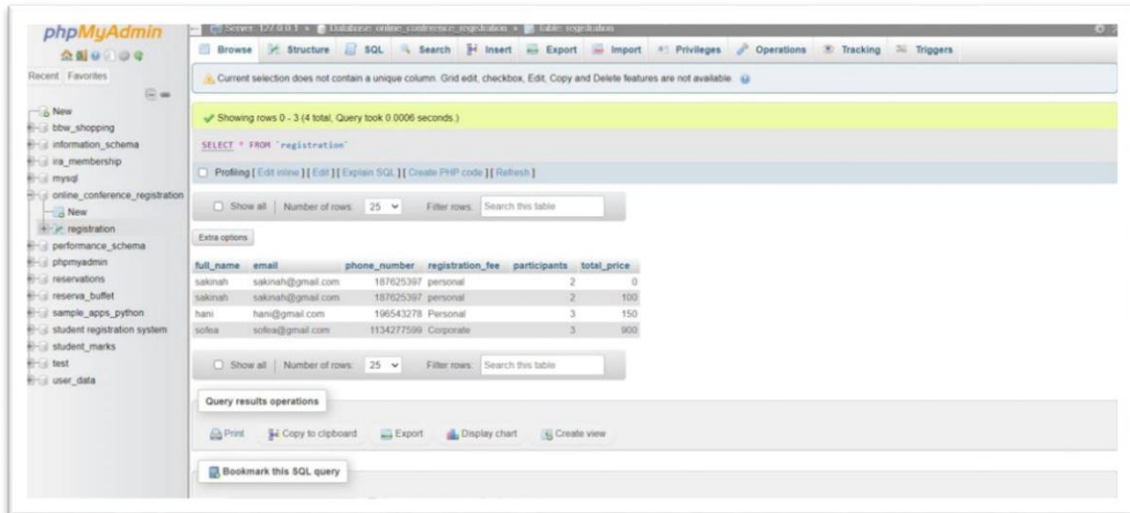


Diagram 6: Snapshot of GUI

5.0 SNAPSHOT OF DATABASE

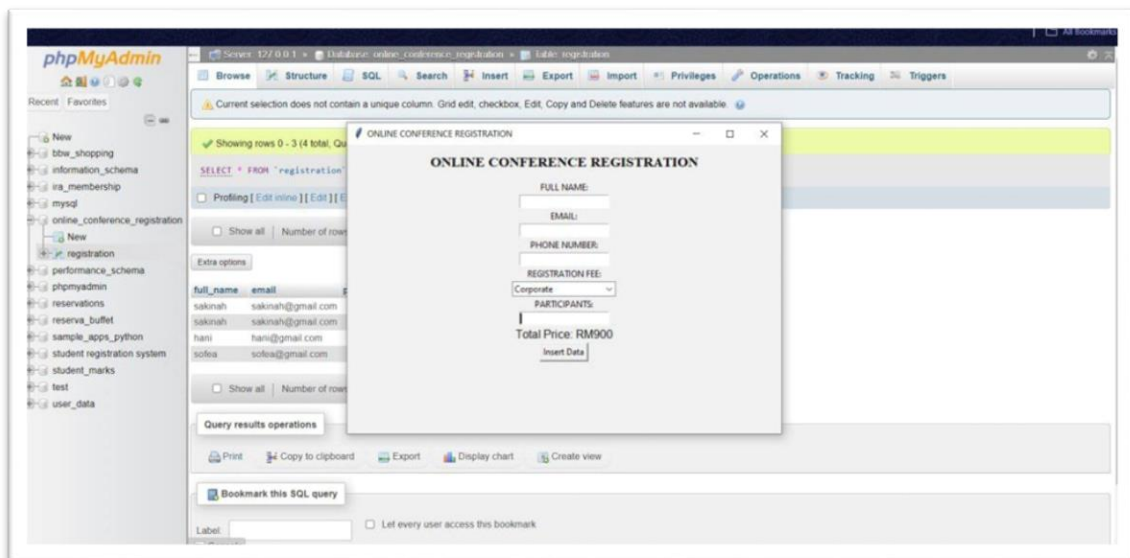
This is my snapshot of database for my individual assignment topic, which is online conference registration.



The screenshot shows the phpMyAdmin interface with the 'registration' table selected. The table structure is displayed, showing columns: full_name, email, phone_number, registration_fee, participants, and total_price. The data is shown in a table format with 4 rows.

full_name	email	phone_number	registration_fee	participants	total_price
sakinah	sakinah@gmail.com	187625367	personal	2	0
sakinah	sakinah@gmail.com	187625367	personal	2	100
hani	hani@gmail.com	196543278	Personal	3	150
sofea	sofea@gmail.com	1134277599	Corporate	3	900

Diagram 7 : Snapshot of Database



The screenshot shows the phpMyAdmin interface with the 'registration' table selected. A modal form titled 'ONLINE CONFERENCE REGISTRATION' is overlaid on the table. The form contains input fields for Full Name, Email, Phone Number, Registration Fee (with a dropdown menu), and Participants. It also displays the Total Price as RM900 and an 'Insert Data' button.

full_name	email	phone_number	registration_fee	participants	total_price
sakinah	sakinah@gmail.com	187625367	personal	2	0
sakinah	sakinah@gmail.com	187625367	personal	2	100
hani	hani@gmail.com	196543278	Personal	3	150
sofea	sofea@gmail.com	1134277599	Corporate	3	900

Diagram 8 : Snapshot of Database