



اَوْنَبُوْ سَيِّتِيْ تَيْكُونُوْ لِيْ مَارَا
UNIVERSITI
TEKNOLOGI
MARA

COLLEGE OF COMPUTING, INFORMATICS AND MATHEMATICS

UNIVERSITI TEKNOLOGI MARA (UiTM)

CAWANGAN KEDAH, KAMPUS SUNGAI PETANI

DIPLOMA IN LIBRARY INFORMATICS

(CDIM144)

PROGRAMMING FOR LIBRARIES

(IML208)

INDIVIDUAL ASSIGNMENT: CONCERT TICKET PURCHASE SYSTEM

PREPARED BY:

HANIS FARZANA BINTI ZAINAL (2022481942)

CLASS: KCDIM1443E

PREPARED FOR:

SIR AIRUL SHAZWAN BIN NORSHAHIMI

SUBMISSION DATE:

4TH JANUARY 2023

INDIVIDUAL ASSIGNMENT: CONCERT TICKET PURCHASE SYSTEM

PREPARED BY:

HANIS FARZANA BINTI ZAINAL (2022481942)

CLASS: KCDIM1443E

COLLEGE OF COMPUTING, INFORMATICS, AND MATHEMATICS

UNIVERSITI TEKNOLOGI MARA (UiTM)

CAWANGAN KEDAH

4TH JANUARY 2023

ACKNOWLEDGEMENT

Assalamualaikum w.b.t

Above all, all praises to Allah SWT for His blessings and for giving me strength in completing this report and project. I am truly grateful for all His mercy, unending love, and grace given towards me as I have faced several challenges in finalizing this report and project. Without His blessings, I would not go anywhere with this report. From the bottom of my heart, Alhamdulillah.

Next, my deepest appreciation goes to my lecturer, Sir Airul Shazwan Bin Norshahimi, who gave me the opportunity to learn about this subject and guided me throughout the process of completing this project. He guided my classmates and I properly with patience in order to achieve a good outcome.

Besides that, I want to express my sincere gratitude to my beloved parents, Zainal Bin Mujir and Maisarah Binti Daruwis, for believing in me, supporting me emotionally and financially, as well as pray for my success every day. I am forever thankful that they had faith in me in whatever I am doing. Not to forget, my supportive classmates and friends who helped me in finishing this individual report and project directly or indirectly. I really appreciate that.

TABLE OF CONTENT

CONTENT	PAGE
ACKNOWLEDGEMENT	
1.0 INTRODUCTION	1
2.0 FLOWCHART	2
3.0 SNAPSHOT OF PYTHON CODE	3-5
4.0 SNAPSHOT OF GUI	6
5.0 SNAPSHOT OF DATABASE	7

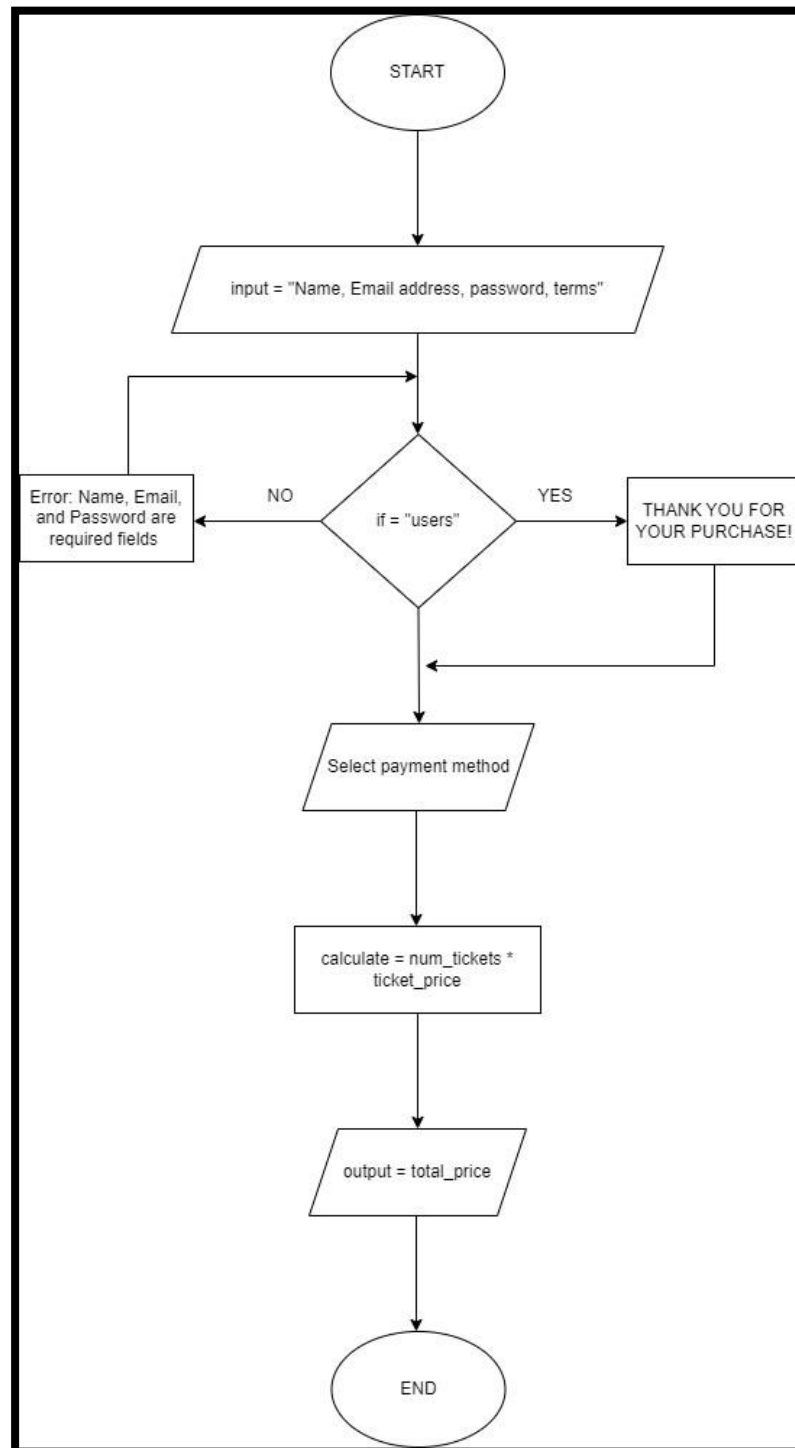
1.0 INTRODUCTION

In this project, I have designed a simple Graphical User Interface (GUI) for users or buyers for purchasing concert ticket in a Tkinter window. The title of the system is Concert Ticket Purchase System. The purpose of this system is to handle the ticket purchase efficiently and straightforward. This system is a place for buyers to purchase a specific ticket which is the name of the concert is "Fate Concert In KL". The price for one ticket is set to RM50.

This system collects user data and information such as name, gender, phone number, email address, and password as well as buyer payment method. Users must fill in all the details in the interface especially their name, email, and password where these fields are required.

Regarding the concert ticket purchase process, buyers will receive detailed information about the sort of ticket they are purchasing, along with the event's date, time, and price. Customers may purchase tickets more easily with this straightforward system, which also calculates the entire cost based on the choices they make. The calculation used in this project is the multiplication of ticket price, RM50 and number of tickets they want to purchase, up to 10, which will tell buyers the total price at the end. Finally, the information will be safely stored in the database. In the database, information such as name, gender, phone number, email address, password, payment method buyers choose, number tickets, and total price will be stored.

2.0 FLOWCHART



3.0 SNAPSHOT OF PYTHON CODE

```
1  import tkinter as tk
2  from tkinter import messagebox
3  import mysql.connector
4
5  # Connect to your MySQL database
6  mydb = mysql.connector.connect(
7      host="localhost",
8      user="root",
9      password="",
10     database="concert"
11 )
12
13 # Create a cursor object to execute SQL queries
14 mycursor = mydb.cursor()
15
16 # Function to handle the database saving
17 def calculate_total_cost():
18     num_tickets = int(num_tickets_var.get())
19     ticket_price = 50
20     total_price = num_tickets * ticket_price
21     total_price_var.set(total_price)
22     output_label.config(text=f"Total Cost: RM{total_price}")
23
24 def collect_data():
25     global num_tickets
26     accepted = accept_var.get()
27
```

```
28     if accepted == "accepted":
29         buyer_name = buyername.get()
30         gender_value = gender.get()
31         phone_value = phone.get()
32         email_value = email.get()
33         password_value = password.get()
34         payment_method_value = payment_method_var.get()
35         num_tickets = num_tickets_var.get()
36         total_price_value = total_price_var.get()
37
38         if buyer_name and email_value and password_value:
39
40             # Inserting data into "users" table
41             sql = "INSERT INTO users (buyer_name, buyer_gender, buyer_phone, buyer_email, buyer_password, buyer_payment_method, num_tickets, total_price) VALUES (%s, %s, %s, %s, %s, %s, %s, %s)"
42             values = (buyer_name, gender_value, phone_value, email_value, password_value, payment_method_value, num_tickets, total_price_value)
43             mycursor.execute(sql, values)
44             mydb.commit()
45
46             # To print back the output
47             output_label.config(text=f"THANK YOU FOR YOUR PURCHASE!")
48             output_label.grid(row=15, column=3)
49         else:
50             # Display a warning if required fields are empty
51             messagebox.showwarning(title="Error", message="Name, Email, and Password are required fields.")
52     else:
53         messagebox.showwarning(title="Error", message="Please accept the terms and conditions.")
54
```

```

55 # Create a window
56 root = tk.Tk()
57 root.geometry("400x600")
58 root.title("CONCERT TICKET PURCHASE SYSTEM")
59
60 # Background color
61 root.configure(bg="#E6E6FA")
62
63 label = tk.Label(root, text="FATE CONCERT IN KL \n RM50 per person", bg="#E6E6FA", font=('Bakso Sapi', 13))
64 label.grid(row=0, column=3)
65
66 name_label = tk.Label(root, text="Name*", bg="#F5F5DC")
67 name_label.grid(row=1, column=2)
68
69 gender_label = tk.Label(root, text="Gender", bg="#F5F5DC")
70 gender_label.grid(row=2, column=2)
71
72 phone_label = tk.Label(root, text="Phone number", bg="#F5F5DC")
73 phone_label.grid(row=3, column=2)
74
75 email_label = tk.Label(root, text="Email address*", bg="#F5F5DC")
76 email_label.grid(row=4, column=2)
77
78 password_label = tk.Label(root, text="Password*", bg="#F5F5DC")
79 password_label.grid(row=5, column=2)
80
81 payment_method_label = tk.Label(root, text="Payment method", bg="#F5F5DC")
82 payment_method_label.grid(row=6, column=2)
83

```

```

84 # Data entry
85 buyername = tk.StringVar()
86 buyername_entry = tk.Entry(root, textvariable=buyername)
87 buyername_entry.grid(row=1, column=3)
88
89 gender = tk.StringVar()
90 gender_entry = tk.Entry(root, textvariable=gender)
91 gender_entry.grid(row=2, column=3)
92
93 phone = tk.StringVar()
94 phone_entry = tk.Entry(root, textvariable=phone)
95 phone_entry.grid(row=3, column=3)
96
97 email = tk.StringVar()
98 email_entry = tk.Entry(root, textvariable=email)
99 email_entry.grid(row=4, column=3)
100
101 password = tk.StringVar()
102 password_entry = tk.Entry(root, textvariable=password)
103 password_entry.grid(row=5, column=3)
104
105 num_tickets_var = tk.StringVar()
106 num_tickets_var.set("Select your ticket") # Default value before your selection
107 num_tickets_dropdown = tk.OptionMenu(root, num_tickets_var, "1", "2", "3", "4", "5", "6", "7", "8", "9", "10")
108 num_tickets_dropdown.grid(row=8, column=3)
109
110 payment_method_var = tk.StringVar()
111 payment_method_var.set("Select Payment Method") # Default value before your selection
112 payment_method_dropdown = tk.OptionMenu(root, payment_method_var, "Online Banking", "Credit/Debit Card", "E-Wallet")
113 payment_method_dropdown.grid(row=6, column=3)

```



```
114
115 total_price_var = tk.StringVar()
116
117 accept_var = tk.StringVar()
118
119 # Creating check button
120 check_button = tk.Checkbutton(text="I accept the terms and conditions", variable=accept_var, onvalue="accepted")
121 check_button.grid(row=13, column=3)
122
123 # Submit button
124 submit_button = tk.Button(root, text="Save", command=collect_data)
125 submit_button.grid(row=14, column=3)
126 calculate_button = tk.Button(root, text="Calculate", command=calculate_total_cost)
127 calculate_button.grid(row=9, column=3)
128
129 #output
130 output_label = tk.Label(root, text="")
131 output_label.grid(row=10, column=3)
132
133
134 root.mainloop()
```

4.0 SNAPSHOT OF GUI

CONCERT TICKET PURCHASE SYSTEM

FATE CONCERT IN KL
RM50 PER PERSON

Name*

Gender

Phone number

Email address*

Password*

Payment method

☒ I accept the terms and conditions

5.0 SNAPSHOT OF DATABASE

Server: 127.0.0.1 » Database: concert » Table: users

Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

Showing rows 0 - 4 (5 total, Query took 0.0004 seconds)

`SELECT * FROM `users``

Profiling [Edit Inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table

Extra options

buyer_name	buyer_gender	buyer_phone	buyer_email	buyer_password	buyer_payment_method	num_tickets	total_price
Khairun Amin	Male	0139956487	khairunn@gmail.com	khyucky76	Credit/Debit Card	2	100
Lia Jameela			liajameela@gmail.com	liaa0909	Online Banking	3	150
Hana Marissa	Female		hanaa78@gmail.com	hanaa45685	E-Wallet	1	50
Ilyas Faris	Male	0134298465	ilyasss9898@gmail.co	ygbhjkou45	Online Banking	5	250
Aisy Adha	Female	0194885274	asyyy02@gmail.com	edcvbnjki4	Credit/Debit Card	2	100

Show all | Number of rows: 25 | Filter rows: Search this table

Query results operations

Print | Copy to clipboard | Export | Display chart | Create view

Console

buyer_name	buyer_gender	buyer_phone	buyer_email	buyer_password	buyer_payment_method	num_tickets	total_price
Khairun Amin	Male	0139956487	khairunn@gmail.com	khyucky76	Credit/Debit Card	2	100
Lia Jameela			liajameela@gmail.com	liaa0909	Online Banking	3	150
Hana Marissa	Female		hanaa78@gmail.com	hanaa45685	E-Wallet	1	50
Ilyas Faris	Male	0134298465	ilyasss9898@gmail.co	ygbhjkou45	Online Banking	5	250
Aisy Adha	Female	0194885274	asyyy02@gmail.com	edcvbnjki4	Credit/Debit Card	2	100