



UNIVERSITI TEKNOLOGI MARA
SCHOOL OF INFORMATION SCIENCE
COLLEGE OF COMPUTING, INFORMATICS AND MATHEMATICS

DIPLOMA IN LIBRARY INFORMATICS (CDIM144)

IML208: PROGRAMMING FOR LIBRARIES

INDIVIDUAL ASSIGNMENT

PREPARED BY:

NUR SALSABILA BINTI NORDIN

(2022824436)

CLASS E

PREPARED FOR:

MR. AIRUL SHAZWAN BIN NORSHAHIMI

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ACKNOWLEDGEMENT

First of all, I am sending numerous times of thanks to my lecturer, Mr. Airul for assisting and providing me with a lot of beneficial items for me to complete this individual assignment.

I believe without his assistance; I would be in turmoil and stuck in my mind battle trying to figure out what to do. His presence has helped me a lot and I greatly appreciated it. Other than that, I would love to send an enormous virtual hug and love to all of my classmates and friends for helping and guiding me, as well as for spending their time with me to do this individual project together. The times we spent together will never be forgotten by me.

Last but not least, I would love to send full gratitude to my parents back in my hometown for sending me full support and motivation to keep going as the weeks in university were getting hectic and busier. I will never forget and cherish the things that I have learned and spent with all of the important people mentioned above. Thank you.

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1.0 INTRODUCTION

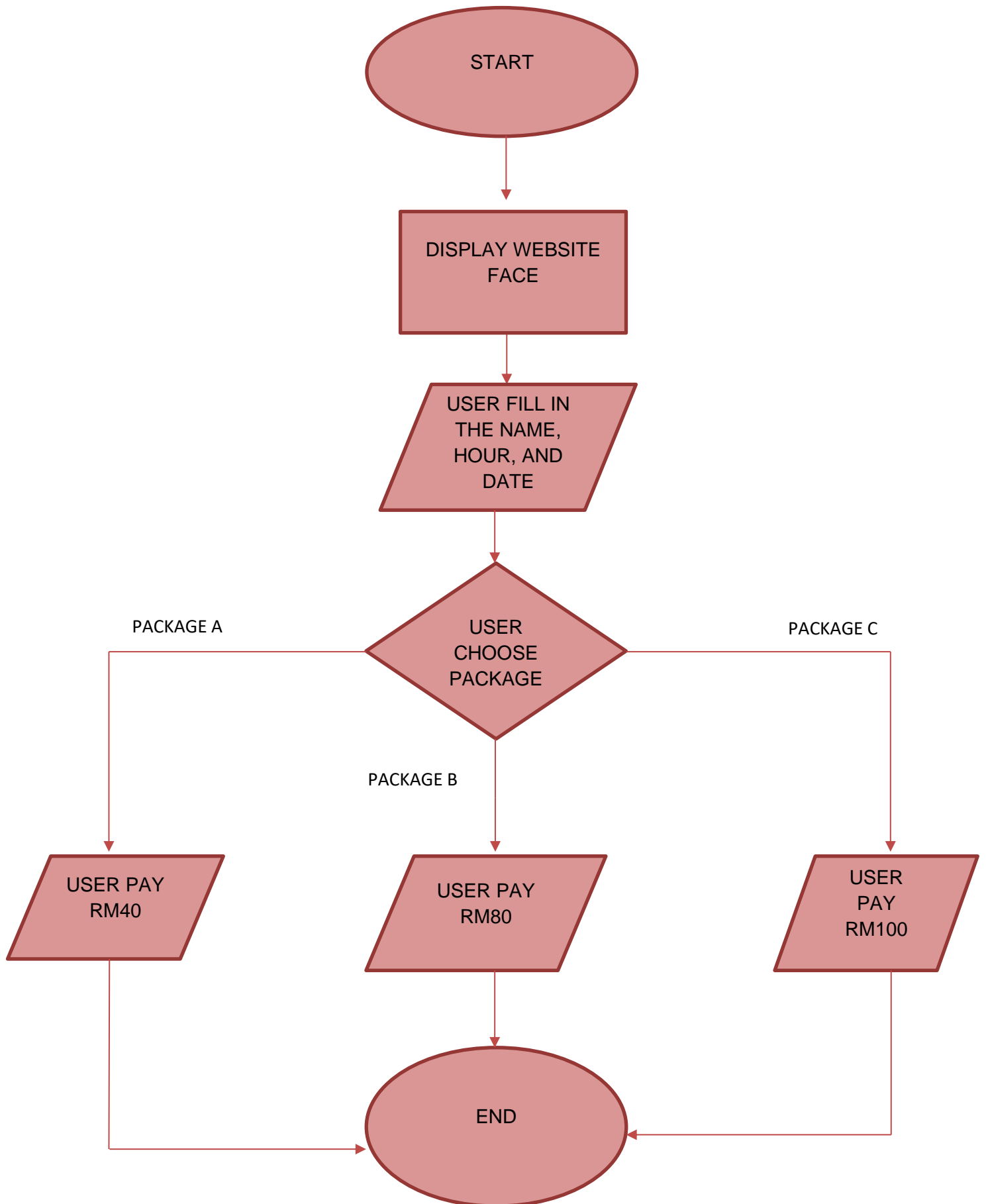
The topic that I have chosen is related to Make Up Booking. It consists of three packages with different prices included. Also, the customer may choose how many hours they want to receive the make-up service.

For example, Package A would be set at 40 Malaysian Ringgit in price, and combined with 2 hours of make-up service, the customer will need to pay 80 Malaysian Ringgit after the service is done. The item mentioned here will be shown through my snapshots of my code, GUI, and database.

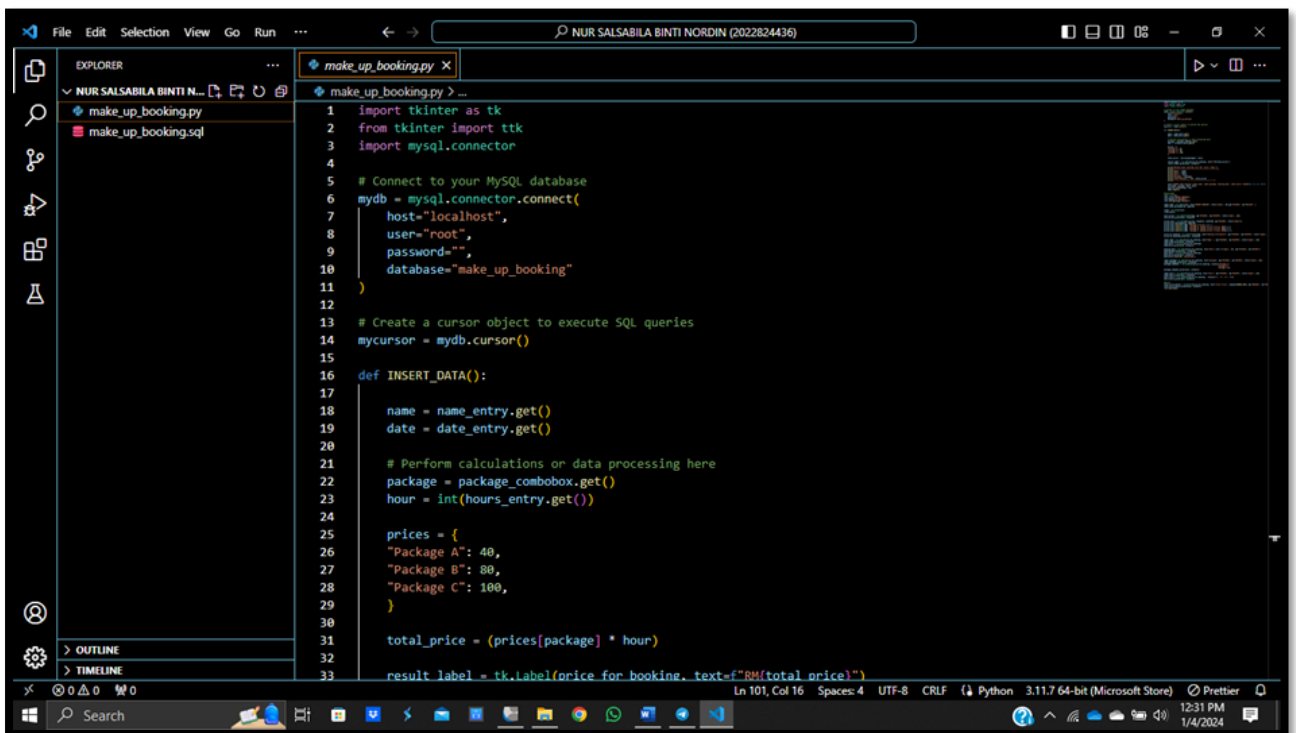
Other than that, the reason I chose this topic is for me to be able to help people who love to dress up their façade. In my opinion, the system that I have created is absolutely easy to use and easy to understand. Therefore, I think I will be able to help users with this system.

Thank you.

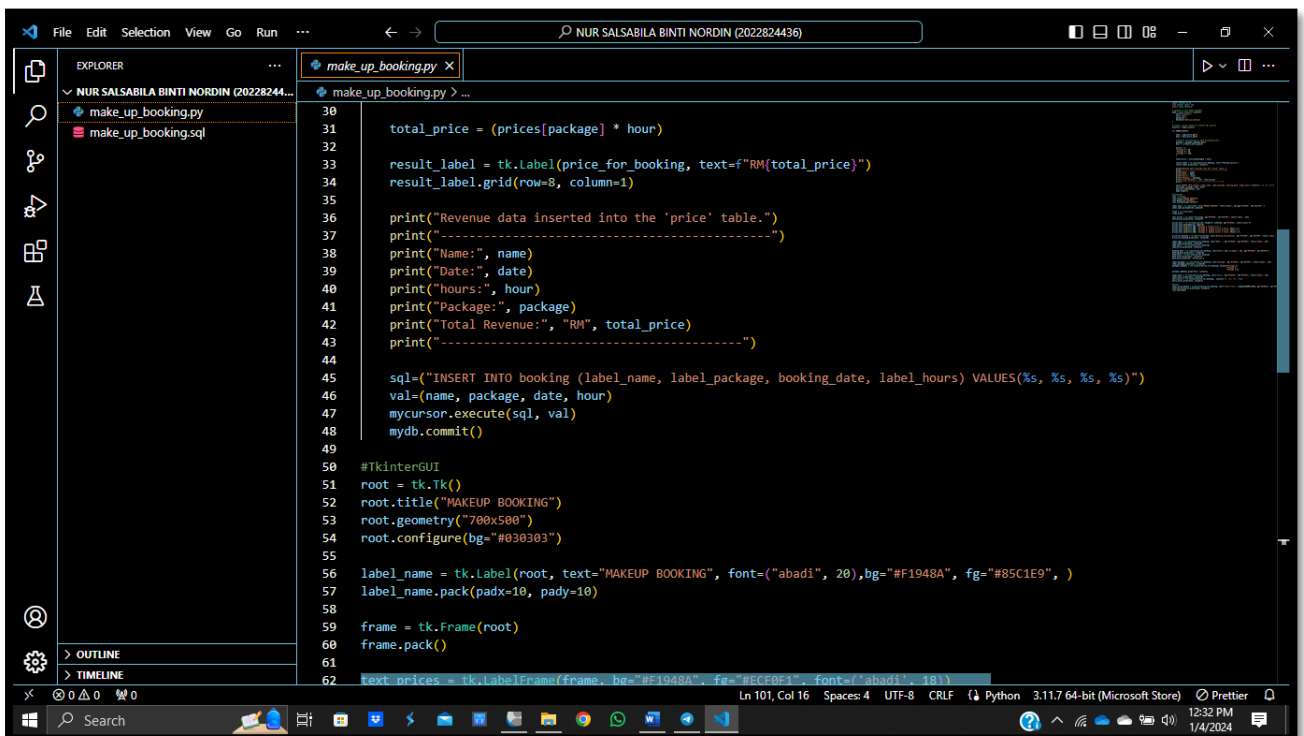
2.0 FLOWCHART



3.0 SNAPSHOT OF MY CODE



```
1 import tkinter as tk
2 from tkinter import ttk
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="make_up_booking"
11 )
12
13 # Create a cursor object to execute SQL queries
14 mycursor = mydb.cursor()
15
16 def INSERT_DATA():
17     name = name_entry.get()
18     date = date_entry.get()
19
20     # Perform calculations on data processing here
21     package = package_combobox.get()
22     hour = int(hours_entry.get())
23
24     prices = {
25         "Package A": 40,
26         "Package B": 80,
27         "Package C": 100,
28     }
29
30     total_price = (prices[package] * hour)
31
32     result_label = tk.Label(price_for_booking, text=f"RM{total_price}")
```



```
30     total_price = (prices[package] * hour)
31
32     result_label = tk.Label(price_for_booking, text=f"RM{total_price}")
33     result_label.grid(row=8, column=1)
34
35     print("Revenue data inserted into the 'price' table.")
36     print("-----")
37     print("Name:", name)
38     print("Date:", date)
39     print("hours:", hour)
40     print("Package:", package)
41     print("Total Revenue:", "RM", total_price)
42     print("-----")
43
44     sql="INSERT INTO booking (label_name, label_package, booking_date, label_hours) VALUES(%s, %s, %s, %s)"
45     val=(name, package, date, hour)
46     mycursor.execute(sql, val)
47     mydb.commit()
48
49 #TkinterGUI
50 root = tk.Tk()
51 root.title("MAKEUP BOOKING")
52 root.geometry("700x500")
53 root.configure(bg="#030303")
54
55 label_name = tk.Label(root, text="MAKEUP BOOKING", font=("abadi", 20),bg="#F1948A", fg="#85C1E9", )
56 label_name.pack(padx=10, pady=10)
57
58 frame = tk.Frame(root)
59 frame.pack()
60
61 text_prices = tk.LabelFrame(frame, bg="#F1948A", fg="#E6E6FA", font=("abadi", 18))
```

[illegible]

4.0 SNAPSHOT OF MY GUI

MAKEUP BOOKING

MAKEUP BOOKING

Package & Prices:

Package A: makeup artist A Price: RM40

Package B: makeup artist B Price: RM80

Package C: makeup artist C Price: RM100

Booking Information

Name :

Date:

package

hours

Total Price

5.0 SNAPSHOT OF MY DATABASE

The screenshot shows the phpMyAdmin interface for the 'make_up_booking' database. The left sidebar displays the database structure, including 'information_schema', 'make_up_booking', 'mysql', 'performance_schema', 'phpmyadmin', 'python_example', and 'test'. The main panel shows the 'Structure' tab for the 'make_up_booking' database. It lists the 'booking' table with 8 rows, InnoDB engine, utf8mb4_general_ci collation, and a size of 16.0 KiB. Below the table list, there is a 'Create new table' section with fields for 'Table name' and 'Number of columns' (set to 4), and a 'Create' button.

The screenshot shows the phpMyAdmin interface for the 'make_up_booking' database, specifically the 'Table: booking' view. It displays the query results for the query `SELECT * FROM `booking``. The results show 8 rows of data, including columns for 'label_name', 'label_package', 'booking_date', and 'label_hours'. The 'Query results operations' section at the bottom includes buttons for 'Print', 'Copy to clipboard', 'Export', 'Display chart', and 'Create view'.

label_name	label_package	booking_date	label_hours
awatif	Package B	05/10/2020	2
maizatul	Package A	06/10/2020	4
aleya	Package C	10/10/2020	1
jannah	Package B	15/10/2020	3
fitriyah	Package A	18/10/2020	2
sofiyyah	Package A	30/10/2020	4
farhana	Package C	02/11/2020	1
nurain	Package B	06/11/2020	3