



UNIVERSITI TEKNOLOGI MARA (UiTM) CAWANGAN KEDAH
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DIPLOMA IN LIBRARY INFORMATICS

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(IML208)

ASSIGNMENT 1: INDIVIDUAL PROJECT (UNIMAIL ORDERING SYSTEM)

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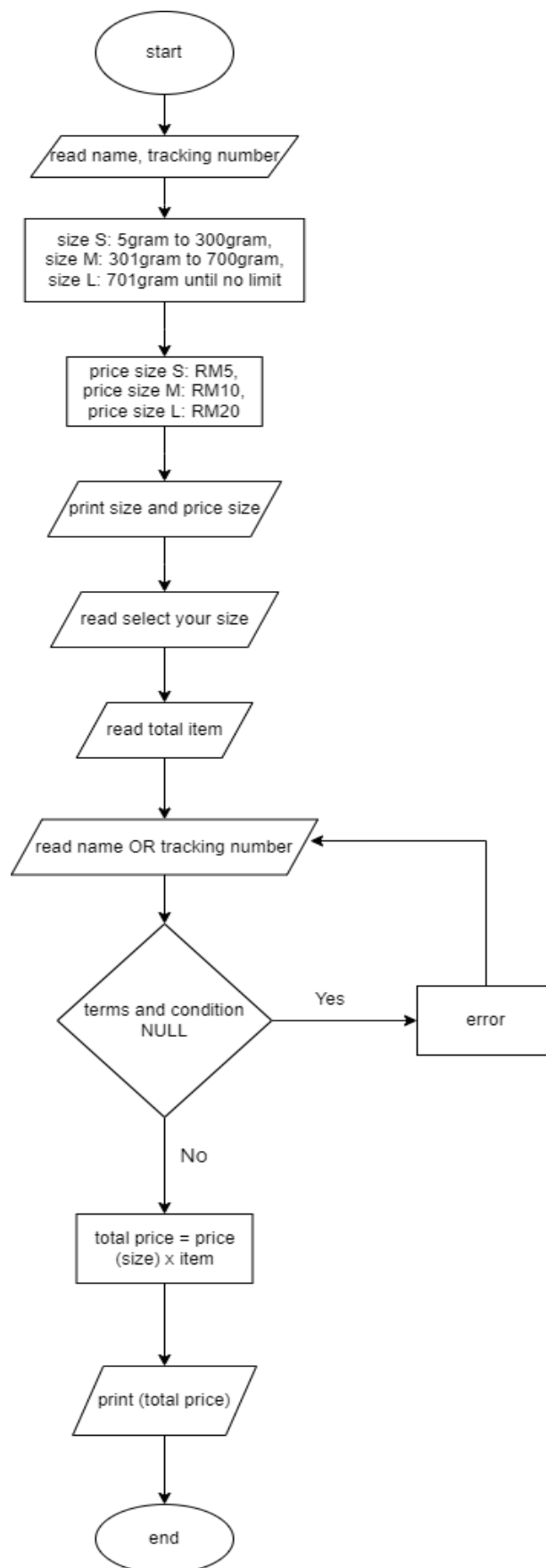
1.0 INTRODUCTION

I'm creating a GUI from Tkinter by using Python. The GUI that I created is UniMail Ordering System. It was created to take an order of the user's parcel. Users have to key in their parcel's information through "UniMail", so the user would know the total price based on the data, that was keyed in by the user.

Also, inside the GUI which is the UniMail have a user name, user tracking number, list of sizes, which is the size of the parcel based on the weight in grams, and list of prices. Also, the GUI included with the user to choose their parcel's size, total per item of the parcel, and they have to accept the terms and conditions to submit the information. Lastly, after keying in all of the information they have to press the "Submit" button to know the total price to pay the parcel's payment.

To sum up, the calculation is UniMail for total price. The total price is started by having the price based on the size times per item. By using the calculation, the user will know the total price of the services of the parcel.

1.0 SNAPSHOT OF THE FLOWCHART



2.0 SNAPSHOT OF THE CODING

```
1 import tkinter as tk
2 from tkinter import ttk
3 from tkinter import messagebox
4 import mysql.connector

5
6 def collect_data():
7     accepted = accept_var.get()
8
9     if accepted=="Accepted":
10
11         # User info
12         username = user_name.get()
13         usern = user_tn.get()
14
15         if username and usern:
16             size_type = size_combobox.get()
17             item = int(item_spinbox.get())
18
19             # Connect to MySQL
20             mydb = mysql.connector.connect(
21                 host="localhost",
22                 user="root",
23                 password="",
24                 database="unimail"
25             )
26
27             mycursor = mydb.cursor()
28
29             # the price below is the price for each size of the parcel
30             prices = {
31                 "Size S": 5,
32                 "Size M": 10,
33                 "Size L": 20,
34             }
35
36             # The calculation to calculate total price
37             total_price = (prices[size_type] * item)
38
39             # Database for user and parcel data to insert the data inside phpmyadmin
40             sql = "INSERT INTO parcel (user_name, tracking_number, parcel_size, total_item, parcel_price) VALUES (%s, %s, %s, %s, %s)"
41             val = (username, usern, size_type, item, total_price)
42             mycursor.execute(sql, val)
43             mydb.commit()
44
45             output_label.config(text=f"Tracking Number: {usern}, Size: {size_type}, Total Item: {item}, Total Price: RM{total_price}")
46         else:
47             tk.messagebox.showwarning(title="Error", message="User Name and Tracking Number are required.")
48     else:
49         tk.messagebox.showwarning(title="Error", message="You have not accepted the terms and condition")
50
51
52
53 # This is my main window, the title, geometry
54 root = tk.Tk()
55 root.title("UniMail")
56 root.geometry('600x770')
57 root.configure(bg='#98BF64')
58
59 # Page Title
60 frame = tk.Label(root, text="Welcome to UniMail :)", font= ('Gill Sans Ultra Bold', 18))
61 frame.pack(padx= 20, pady= 20 )
62
63 box = tk.Frame(root)
64 box.pack()
65
66 # Saving User Info and Parcel Info
67 user_info_frame = tk.LabelFrame(box, text="User Information", font=('new times roman', 10, 'bold'))
68 user_info_frame.grid(row= 0, column=0, sticky="news", padx=20, pady=10)
69
70 user_name = tk.Label(user_info_frame, text="Name")
71 user_name.grid(row= 1, column=0, padx=10, pady=10)
72 user_name = tk.Entry(user_info_frame)
73 user_name.grid(row=1, column=1, padx=20, pady=10)
74
75 user_tn = tk.Label(user_info_frame, text= "Tracking Number")
76 user_tn.grid(row= 2, column=0, padx=20, pady=10)
77 user_tn = tk.Entry(user_info_frame)
78 user_tn.grid(row=2, column=1, padx=20, pady=10)
79
80 # Prices List by using textbox
81 parcel_prices = tk.Text(root, height=10, width=43)
82 parcel_prices.pack(pady=20)
83
84 # The defined list by using pricebox
85 parcel_prices.insert(tk.END, "Size & Prices:\n\n")
86 parcel_prices.insert(tk.END, "Size S: 5gram to 300gram \nPrice: RM5\n\n")
87 parcel_prices.insert(tk.END, "Size M: 301gram to 700gram \nPrice: RM10\n\n")
88 parcel_prices.insert(tk.END, "Size L: 701gram until no limit \nPrice: RM20\n\n")
89 parcel_prices.configure(state="disabled")
90
91 # List of size to choose and user's total item and user can insert the number thru spinbox
92 box_two = tk.Frame(root)
93 box_two.pack()
94
95 prael_info_frame = tk.LabelFrame(box_two, text="Parcel Information", font=('new times roman', 10, 'bold'))
96 prael_info_frame.grid(row=1, column=0, sticky="news", padx=20, pady=20)
97
98 size_label = tk.Label(prael_info_frame, text="Select Your Size")
99 size_combobox = ttk.Combobox(prael_info_frame, values=["Size S", "Size M", "Size L"])
100 size_label.grid(row=2, column=0, padx=20, pady=10)
101 size_combobox.grid(row=2, column=1, padx=20, pady=10)
102
```

```

103 item_label = tk.Label(pracel_info_frame, text="Total Item")
104 item_spinbox = tk.Spinbox(pracel_info_frame, from_=1, to=110)
105 item_label.grid(row=3, column=0, padx=20, pady=10)
106 item_spinbox.grid(row=3, column=1, padx=20, pady=10)
107
108 # Accept terms
109 terms_label = tk.Label(root, text="Terms & Conditions")
110 accept_var = tk.StringVar(value="Not Accepted")
111 terms_check = tk.Checkbutton(text= "I accept the terms and conditions.",
112                             variable=accept_var, onvalue="Accepted", offvalue="Not Accepted")
113 terms_check.pack(pady=10)
114
115 # Save Button
116 button = tk.Button(root, text="Submit", command=collect_data)
117 button.pack(pady=10)
118
119 # Output Label & result
120 box_three = tk.Frame(root)
121 box_three.pack()
122
123 price_info_frame = tk.LabelFrame(box_three, text="")
124 price_info_frame.grid(row=0, column=0, padx=20, pady=20)
125
126 label = tk.Label(price_info_frame, text='Total Price: ', font=("stencil", 13))
127 label.grid(row= 4, column=0, padx=20, pady=10)
128
129 output_label = tk.Label(price_info_frame, text="")
129 output_label.grid(row= 4, column=1, padx=20, pady=10)
130
131 root.mainloop()

```


3.0 SNAPSHOT OF THE GUI

UniMail

— □ ×

Welcome to UniMail :)

User Information

Name

Tracking Number

Size & Prices:

Size S: 5gram to 300gram
Price: RM5

Size M: 301gram to 700gram
Price: RM10

Size L: 701gram until no limit
Price: RM20

Parcel Information

Select Your Size

Total Item

1

☐ I accept the terms and conditions.

Submit

TOTAL PRICE:

4.0 SNAPSHOT OF THE DATABASE

Server: 127.0.0.1 » Database: unmail » Table: parcel

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

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

✓ Showing rows 0 - 3 (4 total, Query took 0.0002 seconds.)

```
SELECT * FROM `parcel`
```

☐ Profiling [\[Edit inline \]](#) [\[Edit \]](#) [\[Explain SQL \]](#) [\[Create PHP code \]](#) [\[Refresh \]](#)

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

Extra options

user_name	tracking_number	parcel_size	total_item	parcel_price
Farah	MY236019119752R	Size M	2	20
Syifa	MY227819502230V	Size M	5	50
Athirah	MT11041V8EH25Z	Size L	2	40
Maleeka	576548513883063836	Size S	1	5

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

Query results operations

[Print](#) [Copy to clipboard](#) [Export](#) [Display chart](#) [Create view](#)

[Bookmark this SQL query](#)

☐ Let every user access this bookmark

Console

Server: 127.0.0.1 » Database: unmail » Table: parcel

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Table structure Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	user_name	text	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 2	tracking_number	varchar(18)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 3	parcel_size	varchar(7)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 4	total_item	int(3)			No	None			Change Drop More
<input type="checkbox"/> 5	parcel_price	int(3)			No	None			Change Drop More

☐ Check all | With selected: [Browse](#) [Change](#) [Drop](#) [Primary](#) [Unique](#) [Index](#) [Spatial](#) [Fulltext](#) [Add to central columns](#)

[Remove from central columns](#)

[Print](#) [Propose table structure](#) [Track table](#) [Move columns](#) [Normalize](#)

[Add](#) 1 column(s) after parcel_price [Go](#)

Indexes

⚠ No index defined!

Create an index on 1 columns [Go](#)

Partitions

Console

5.0 CONCLUSION

In conclusion, I learned a lot in this subject on how to use Tkinter in Python by doing the GUI system. Also, by creating a Unimail Ordering System it will be easier for the user to key in the data through the GUI system which is Unimail. The process is simple and easy for the user to understand and after keying in all the information, the user will know the price to pay for picking up the parcel with the Unimail Ordering System.