



اَوْنُوْرْ سِيْنِيْ تِيْكَوْ لُوْ كِيْ مَارَا
UNIVERSITI
TEKNOLOGI
MARA

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

DIPLOMA IN LIBRARY INFORMATICS
(CDIM 144)

PROGRAMMING FOR LIBRARIES (IML 208)
INDIVIDUAL PROJECT

“REPORT IN PRIME SCHOOL STUDENT REGISTRATION”

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Moreover, I wanted to show my thanks to my lovely family for their encouragement and their bless towards my studies.

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THANKS AGAIN TO ALL WHO HELPED AND SUPPORT ME.

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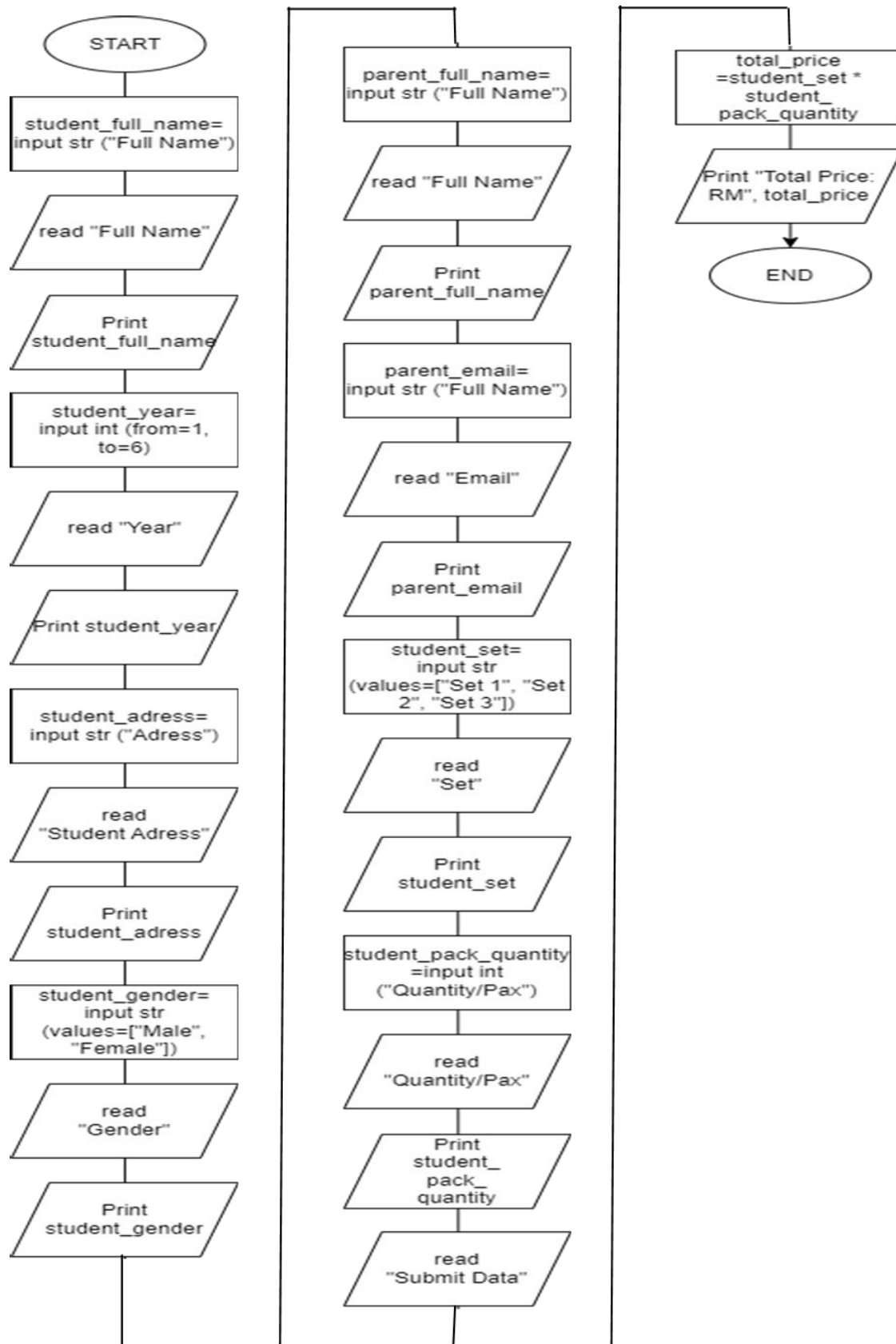
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1.0 INTRODUCTION

As we have learned in this semester, various platforms we have learned and used for specific purposes. For example, the content of this report refers to the use of platforms such as Visual Studio Code, XAMPP, PhpMyAdmin websites and so on. In this way, the presence of such a platform can teach us to form a system of its own.

In addition, there are also applications that contact between two or more platforms at the same time. For example, MySQL. It is closely interrelated with the learning standards of the second semester for students under the Faculty of Information Management in the subject "fundamentals of Data Management". However, this time we are able to link MySQL applications with XAMPP, Python and PhpMyAdmin platforms at the same time.

2.0 FLOWCHART



3.0 PYTHON CODING

```
LUZMAN AL THAQIF BIN NARZARUDDIN (2022860858).py > collect_data
1 import tkinter
2 import tkinter as tk
3 from tkinter import ttk
4 from tkinter import *
5 from tkinter import messagebox
6 import mysql.connector
7
8 #Connect ke database
9 mydb= mysql.connector.connect(
10     host="localhost",
11     user="root",
12     password="",
13     database="student_registration_form"
14 )
15 mycursor= mydb.cursor()
16
17 # Define for calculation (Pilihan set & bilangan kuantiti)
18 def collect_data():
19
20     # put the info in terminal
21     student_full_name=student_full_name_entry.get()
22     print("student full name:", student_full_name)
23
24     student_year=student_year_spinbox.get()
25     print("student year:", student_year)
26
27     student_adress=student_adress_entry.get()
28     print("student adress:", student_adress)
29
30
31
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100
```

```

30 student_gender=student_gender_combobox.get()
31 print("student gender:", student_gender)
32
33 parent_full_name=parent_full_name_entry.get()
34 print("parent full name:", parent_full_name)
35
36 parent_email=parent_email_entry.get()
37 print("parent email:", parent_email)
38
39 student_set=student_set_combobox.get()
40 print("student set:", student_set)
41
42 student_pack_quantity=student_pack_quantity_entry.get()
43 print("student pack quantity:", student_pack_quantity)
44
45
46
47 set_type = student_set_combobox.get()
48 quantity = int(student_pack_quantity_entry.get())
49
50 # the price below is to defined the value from your selections
51 prices = {"Set 1": 6, "Set 2": 10, "Set 3": 15}
52
53 # Calculate the total price. This will be derived from your selection (Package, Pack).
54 total_price = (prices[set_type] * quantity)
55
56 # To Print total harga.
57 #It will happen in the function collect_data().
58 #The # before the string indicates an f-string in Python.
59
60
61
62
63
64
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95
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97
98
99
100
```

```

59 output_label.config(bg="#f0ead2", fg="#31572c", width=100, font= ('Impact', 15), text=f"Set: {set_type}, Pax: {quantity}, Total Price:
60
61 #Inserting data into a table
62 sql = "INSERT INTO sarikei (student_full_name, student_year, student_adress, student_gender, parent_full_name, parent_email, student_se
63 val = (student_full_name, student_year, student_adress, student_gender, parent_full_name, parent_email, student_set, student_pack_quant
64 mycursor.execute(sql,val)
65 mydb.commit()
66
67
68 #####START BENTUKKAN FORM DALAM GUI#####
69 #MY GUI TITLE
70 root = tk.Tk()
71 root["bg"]="#adc178"
72 root.title("Student Registration Form")
73 root.geometry('1080x1080')
74
75 #TITLE IN GUI/FORM-----
76 label = tk.Label(root, bg= "#d9ed92", fg="#31572c", text="WELCOME TO SK SARIKEI", font=('Cooper Black',18))
77 label.pack(padx=20, pady=20)
78
79 # Saving user info (4 attributes in 1 frame)
80 frame = tk.Frame(root)
81 frame.pack()
82
83 #Frame 1 (STUDENT INFO)-----
84 student_info_frame =tkinter.LabelFrame(frame, bg= "#dde5b6",text="Student Information")
85 student_info_frame.grid(row= 0, column=0, padx=20, pady=0)
86
87 #Full name
88
89
90
91
92
93
94
95
96
97
98
99
100
```

```

LUZMAN AL THAQIF BIN NARZARUDDIN (2022860858).py > collect_data
88 student_full_name = tkinter.Label(student_info_frame, bg= "#f0ead2", width=10, font= ("Times New Roman", 10), text="Full Name")
89 student_full_name.grid(row=0, column=0)
90 student_full_name_entry = tkinter.Entry(student_info_frame)
91 student_full_name_entry.grid(row=1, column=0)
92
93 #Year
94 student_year = tkinter.Label(student_info_frame, bg= "#f0ead2", width=10, font= ("Times New Roman", 10), text="Year")
95 student_year.grid(row=0, column=1)
96 student_year_spinbox = tkinter.Spinbox(student_info_frame, from_=1, to=6)
97 student_year_spinbox.grid(row=1, column=1)
98
99 #Student Adress
100 student_adress = tkinter.Label(student_info_frame, bg= "#f0ead2", width=15, font= ("Times New Roman", 10), text="Student Adress")
101 student_adress.grid(row=2, column=0)
102 student_adress_entry = tkinter.Entry(student_info_frame)
103 student_adress_entry.grid(row=3, column=0)
104
105 #Gender
106 student_gender = tkinter.Label(student_info_frame, bg= "#f0ead2", width=10, font= ("Times New Roman", 10), text="Gender")
107 student_gender.grid(row=2, column=1)
108 student_gender_combobox = ttk.Combobox(student_info_frame, values=["Male", "Female"])
109 student_gender_combobox.grid(row=3, column=1)
110
111 #Jarak attributes dgn frame 1
112 for widget in student_info_frame.winfo_children():
113     widget.grid_configure(padx=60, pady=5)
114
115
116 #Frame 2 (FATHER/MOTHER/GUARDIAN INFO)-----

```

```

LUZMAN AL THAQIF BIN NARZARUDDIN (2022860858).py > collect_data
117 parent_info_frame =tkinter.LabelFrame(frame, bg= "#dde5b6", text="Father/ Mother/ Guardian Information")
118 parent_info_frame.grid(row= 0, column=1, padx=20, pady=0)
119
120 #Full name Parents
121 parent_full_name = tkinter.Label(parent_info_frame, bg= "#f0ead2", width=10, font= ("Times New Roman", 10), text="Full Name")
122 parent_full_name.grid(row=0, column=0)
123 parent_full_name_entry = tkinter.Entry(parent_info_frame)
124 parent_full_name_entry.grid(row=1, column=0)
125
126 #Email
127 parent_email = tk.Label(parent_info_frame, bg= "#f0ead2", width=10, font= ("Times New Roman", 10), text="Email")
128 parent_email.grid(row=0, column=1)
129 parent_email_entry = tk.Entry(parent_info_frame)
130 parent_email_entry.grid(row=1, column=1)
131
132 #Jarak attributes dgn frame 2
133 for widget in parent_info_frame.winfo_children():
134     widget.grid_configure(padx=60, pady=20)
135
136 #Frame 3 (Stationery package)-----
137 stat_pack_frame =tkinter.LabelFrame(frame, bg= "#dde5b6", text="Stationary Package To Buy")
138 stat_pack_frame.grid(row= 1, column=0, padx=20, pady=10)
139
140 # Prices List by using textbox
141 prices_text = tk.Text(stat_pack_frame, bg="#f0ead2", fg='#31572c', height=15, width=45, font= ("Cooper Black", 10))
142
143 # The defined list by using pricebox
144 prices_text.insert(tk.END, "Set 1:\nPencil (Set),\nEraser (Set),\nRuler\nRM 6.00\n\n")
145 prices_text.insert(tk.END, "Set 2:\nPencil (Set),\n5 writing books\nRM 10.00\n\n")

```



```

LUZMAN AL THAQIF BIN NARZARUDDIN (2022860858).py > collect_data
146 prices_text.insert(tk.END, "Set 3:\nPencil (Set),\nEraser (Set),\nRuler,\n5 writing books\nRM 15.00")
147 prices_text.configure(state='disabled')
148 prices_text.grid(padx=70, pady=0)
149
150
151 #Frame 4 (Select n pay)-----
152 sp_info_frame =tkinter.LabelFrame(frame, bg= "#d9ed92", text="Select & Pay")
153 sp_info_frame.grid(row= 1, column=1, padx=20, pady=0)
154
155 #Set
156 student_set = tkinter.Label(sp_info_frame, bg= "#f0ead2", width=10, font= ("Times New Roman", 10), text="Set")
157 student_set.grid(row=0, column=0)
158 student_set_combobox= ttk.Combobox (sp_info_frame, values=["Set 1", "Set 2", "Set 3"])
159 student_set_combobox.grid(row=0, column=1)
160
161 #Quantity
162 student_pack_quantity = tk.Label(sp_info_frame, bg= "#f0ead2", width=10, font= ("Times New Roman", 10), text="Quantity / Pax")
163 student_pack_quantity.grid(row=1, column=0)
164 student_pack_quantity_entry = tk.Entry(sp_info_frame)
165 student_pack_quantity_entry.grid(row=1, column=1)
166
167 #Jarak attributes dgn frame 4
168 for widget in sp_info_frame.winfo_children():
169     widget.grid_configure(padx=70, pady=45)
170
171 #Button for BUY
172 save_button = tk.Button(root, bg= "#d9ed92", text="Submit Data", font= ("Times New Roman", 15), command=collect_data)
173 save_button.pack(pady=5)
174

```

```

replacement_class2.py  IND_ASGMT_208  LUZMAN AL THAQIF BIN NARZARUDDIN (2022860858).py  testing  Holiday_Package.py  data_entry.py
LUZMAN AL THAQIF BIN NARZARUDDIN (2022860858).py > collect_data
175 # Print Output & result
176 label = tk.Label(root, bg= "#d9ed92", text='Payment Details:', font=("Times New Roman",15))
177 label.pack(ipadx=10, ipady=10)
178 output_label = tk.Label(root, text="")
179 output_label.pack()
180
181
182 root.mainloop()
183
184
Ln 47, Col 21  Spaces: 4  UTF-8  CRLF  Python  3.11.7 64-bit (Microsoft Store)  Prettier

```

4.0 GUI

WELCOME TO SK SARIKEI

Student Information

Full Name Year

Student Address Gender

Stationary Package To Buy

Set 1:
Pencil (Set),
Eraser (Set),
Ruler
RM 6.00

Set 2:
Pencil (Set),
5 writing books
RM 10.00

Set 3:
Pencil (Set),
Eraser (Set),
Ruler,

Father/ Mother/ Guardian Information

Full Name Email

Select & Pay

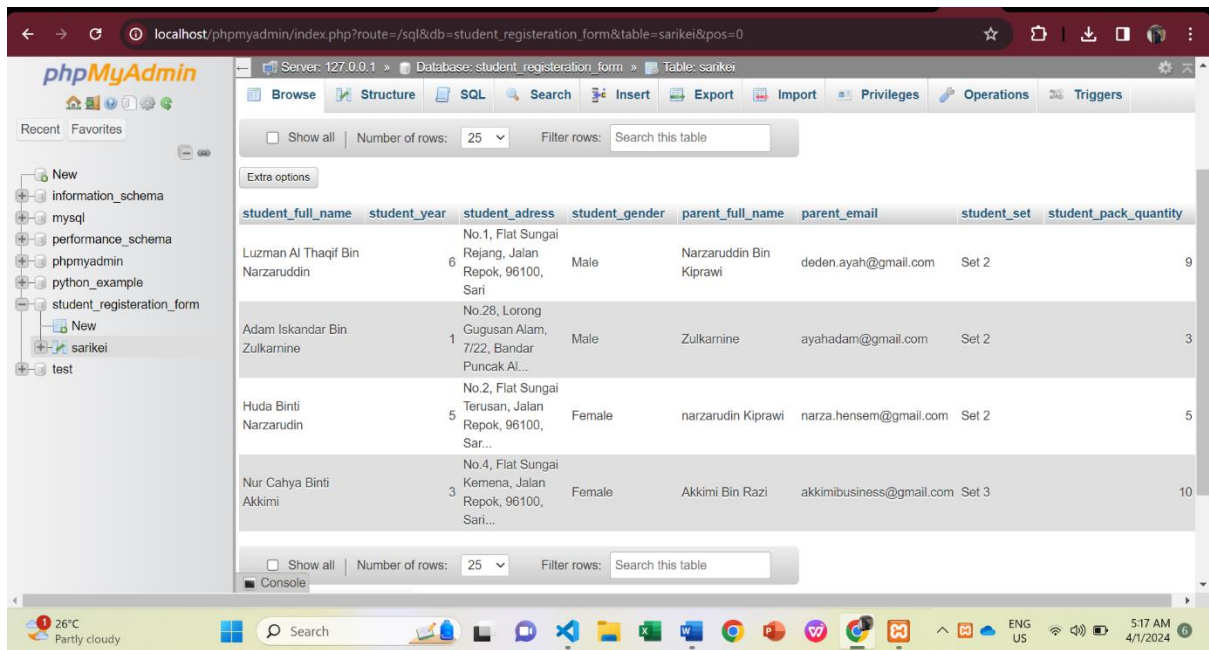
Set

Quantity / Pax

Submit Data

Payment Details:

5.0 DATABASES



The screenshot shows the phpMyAdmin web interface. The left sidebar displays a database structure with 'student_registration_form' selected, containing a table 'sarikei'. The main panel shows the 'sarikei' table with 5 rows of data. The table has 8 columns: student_full_name, student_year, student_address, student_gender, parent_full_name, parent_email, student_set, and student_pack_quantity. The data rows are as follows:

student_full_name	student_year	student_address	student_gender	parent_full_name	parent_email	student_set	student_pack_quantity
Luzman Al Thaqif Bin Narzaruddin	6	No.1, Flat Sungai Rejang, Jalan Repok, 96100, Sari	Male	Narzaruddin Bin Kiprawi	deden.ayah@gmail.com	Set 2	9
Adam Iskandar Bin Zulkarnine	1	No.28, Lorong Gugusan Alam, 7/22, Bandar Puncak Al...	Male	Zulkarnine	ayahadam@gmail.com	Set 2	3
Huda Binti Narzarudin	5	No.2, Flat Sungai Terusan, Jalan Repok, 96100, Sar...	Female	narzarudin Kiprawi	narza.hensem@gmail.com	Set 2	5
Nur Cahya Binti Akkimi	3	No.4, Flat Sungai Kemena, Jalan Repok, 96100, Sari...	Female	Akkimi Bin Razi	akkimibusiness@gmail.com	Set 3	10

THANK YOU