



UNIVERSITI TEKNOLOGI MARA

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SCHOOL OF INFORMATION SCIENCE

COLLEGE OF COMPUTING, INFORMATICS AND MATHEMATICS

DIPLOMA IN LIBRARY INFORMATIC (IM144)

IML 208: PROGRAMMING FOR LIBRARIES

ASSESSMENT 1: INDIVIDUAL ASSIGNMENT

REPORT: CAT BOARDING REGISTRATION

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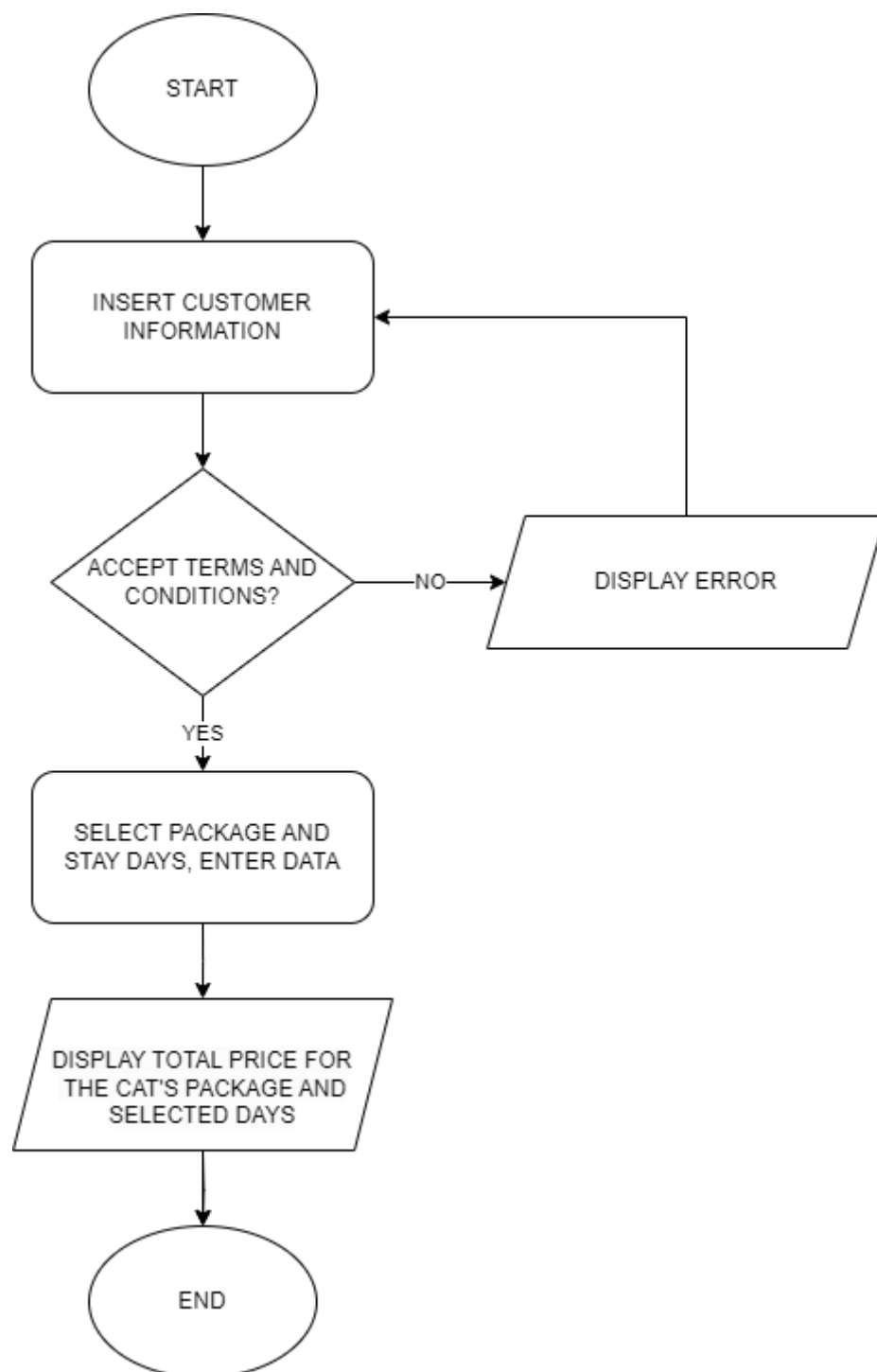
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1.0 INTRODUCTION

The system is designed to streamline registration for cat owners, keeping that important information organized. This method attempts to register the information of each cat that is sent by the package in an orderly manner by providing crucial details such as the name of the cat, the name of the owner, the cat's age, and the staff member in charge of the cat. This system also calculates the price of every package and sets them by the staff.

2.0 FLOWCHART



3.0 SNAPSHOT OF CODE

```
jannah.sql  jannah.py x
jannah.py > ...
1  import tkinter as tk
2  from tkinter import ttk
3  from tkinter import messagebox
4  import mysql.connector
5
6
7  # Connect to MySQL
8  mydb = mysql.connector.connect(
9      host="localhost",
10     user="root",
11     password="",
12     database="jannah"
13 )
14
15 mycursor = mydb.cursor()
```

```
16
17 def enter_data():
18     accepted_value = accept_var.get()
19
20     if accepted_value == "Accepted":
21         # Customer Information
22         catowner = owner_cat_name_entry.get()
23         catname = cat_name_entry.get()
24
25         if catowner and catname:
26             age = cat_age_Spinbox.get()
27             staffincharge = staff_incharge_entry.get()
28
29             # Inserting data into a table
30             sql = "INSERT INTO cat_boarding_registration (catowner, catname, age, staffincharge) VALUES (%s, %s, %s, %s)"
31             val = (catowner, catname, age, staffincharge)
32             mycursor.execute(sql, val)
33             mydb.commit()
34
35             print("Owner Cat Name: ", catowner, "Cat Name: ", catname)
36             print("Cat Age: ", age, "Staff Incharge: ", staffincharge)
37             print("-----")
38         else:
39             tk.messagebox.showwarning(title="Error", message="Owner Cat Name and Cat Name are required.")
40     else:
41         tk.messagebox.showwarning(title="Error", message="You have not accepted the terms")
42
43
```

```
43
44
45 if accepted_value == "Accepted":
46     # ... (rest of your code)
47     package_type = package_type_var.get()
48     day_count = day_type_menva.get()
49
50     p_prices = {"Gold": 50, "Platinum": 100, "Diamond": 150}
51     d_prices = {"Day 1": 20, "Day 2": 40, "Day 3": 60, "Day 4": 80, "Day 5": 100}
52
53     # Inserting data into a table
54     sql = "INSERT INTO cat_boarding_registration (package_type, day_count) VALUES (%s, %s)"
55     val = (package_type, day_count)
56     mycursor.execute(sql, val)
57     mydb.commit()
58
59     total_price = p_prices.get(package_type, 0) + d_prices.get(day_count, 0)
60     price_label.config(text=f"Price: RM {total_price:.2f}")
61
62     # Inserting data into a table
63     sql = "INSERT INTO cat_boarding_registration (total_price) VALUES (%s)"
64     val = (total_price,)
65     mycursor.execute(sql, val)
66     mydb.commit()
67
68     print(f"Total Price: {total_price}")
69 else:
70     tk.messagebox.showwarning(title="Error", message="You have not accepted the terms")
71
```

```

72
73 root=tk.Tk()
74 root.title("cat boarding registration",)
75 root.geometry("500x500")
76 root.configure(bg="#837E7C")
77
78 label_name = tk.Label(root,text="CAT BOARDING REGISTRATION",font=('Arial bold',11),bg="#A9A9A9")
79 label_name.pack(padx=0, pady=0)
80
81 frame = tk.Frame(root)
82 frame.pack()
83
84 # entering information
85
86 customer_frame = tk.LabelFrame(frame, text="CUSTOMER INFORMATION",font=('book mania',9),bg="#87AFC7")
87 customer_frame.grid(row=0, column=0)
88
89 owner_cat_name = tk.Label(customer_frame, text="Owner Name:",font=('capita',9),bg="lightblue")
90 owner_cat_name.grid(row=0, column=1)
91 owner_cat_name_entry = tk.Entry(customer_frame,bg="#D5D6EA")
92 owner_cat_name_entry.grid(row=1, column=1)
93
94 cat_name_label = tk.Label(customer_frame, text="Cat Name:",font=('capita',9),bg="lightblue")
95 cat_name_label.grid(row=0, column=2)
96 cat_name_entry = tk.Entry(customer_frame,bg="#D5D6EA")
97 cat_name_entry.grid(row=1, column=2)
98
99 cat_age=tk.Label(customer_frame, text="Cat Age",font=('capita',9),bg="lightblue")
100 cat_age.grid(row=2,column=1)
101 cat_age_Spinbox=tk.Spinbox(customer_frame,from_=0,to=50,bg="#D5D6EA")
102 cat_age_Spinbox.grid(row=3,column=1)
103

```

```

104 staff_incharge_label=tk.Label(customer_frame,text="Staff Incharge:",font=('capita',9),bg="lightblue")
105 staff_incharge_label.grid(row=2,column=2)
106 staff_incharge_entry=tk.Entry(customer_frame,bg="#D5D6EA")
107 staff_incharge_entry.grid(row=3,column=2)
108
109 for widget in customer_frame.winfo_children():
110     widget.grid_configure(padx=20,pady=5)
111
112 #package frame
113 package_type_label=tk.Label(root,text="Select cat package:",font=('book mania',9),bg="#C2E5D3")
114 package_type_label.pack(padx=10,pady=5)
115
116 package_type_var=tk.StringVar(root)
117 package_type_var.set("Select Package")
118 package_type_pac=tk.OptionMenu(root,package_type_var,"Gold","Platinum","Diamond")
119 package_type_pac.pack(padx=10,pady=5)
120
121 day_type_menva=tk.StringVar(root)
122 day_type_menva.set("Select Days")
123 day_type_menva_menu=tk.OptionMenu(root,day_type_menva,"Day 1","Day 2","Day 3","Day 4","Day 5")
124 day_type_menva_menu.pack(padx=10,pady=5)
125
126 for widget in package_type_label.winfo_children():
127     widget.grid_configure(padx=20,pady=5)
128
129 price_label=tk.Label(root,text="Price:RM0.00",font=('book mania',9),bg="#C2E5D3" )
130 price_label.pack(pady=10)
131

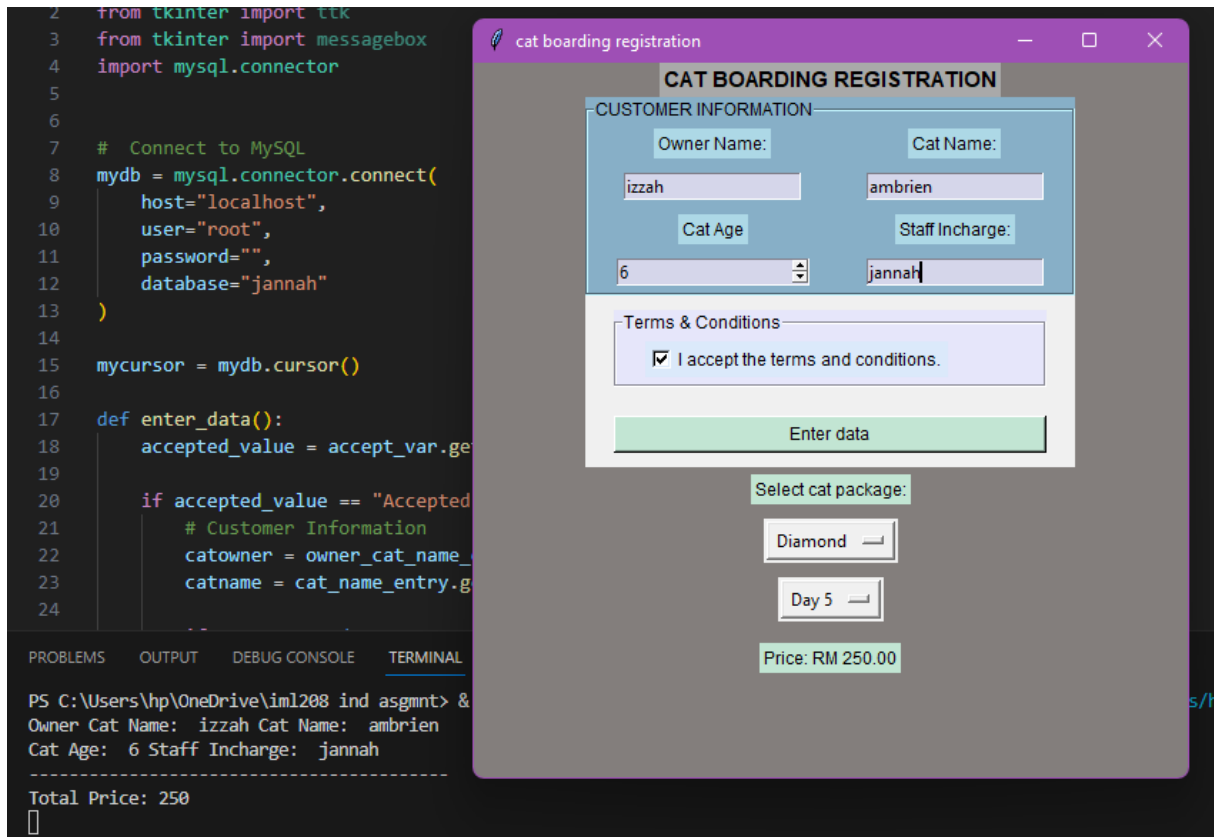
```

```

132 #Accept terms
133
134 terms_frame = tk.LabelFrame(frame, text="Terms & Conditions",font=('book mania',9),bg="#E6E6FA")
135 terms_frame.grid(row=2, column=0, sticky="news", padx=20, pady=10)
136
137 accept_var = tk.StringVar(value="Not Accepted")
138 terms_check = tk.Checkbutton(terms_frame, text= "I accept the terms and conditions.",font=('capita',9),bg="#DBE9FA",
139                             variable=accept_var, onvalue="Accepted", offvalue="Not Accepted")
140 terms_check.grid(row=0, column=0)
141
142 for widget in terms_frame.winfo_children():
143     widget.grid_configure(padx=20,pady=5)
144
145 #Button
146 button = tk.Button(frame, text="Enter data", command= enter_data,font=('capita',9),bg="#C2E5D3")
147 button.grid(row=5, column=0, sticky="news", padx=20, pady=10)
148
149
150 root.mainloop()

```

4.0 SNAPSHOT OF GUI



5.0 SNAPSHOT OF DATABASE

1. Browse

Server: 127.0.0.1 » Database: jannah » Table: cat_boarding_registration

[Browse](#) [Structure](#) [SQL](#) [Search](#) [Insert](#) [Export](#) [Import](#) [Privileges](#)

✓ Showing rows 0 - 8 (9 total, Query took 0.0003 seconds.)

```
SELECT * FROM `cat_boarding_registration`
```

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

☐ Show all | Number of rows: 25 ▼ Filter rows:

Extra options

catowner	catname	age	staffincharge	package_type	day_count	total_price
fitriyah	fitri	5	tehah	NULL	NULL	NULL
NULL	NULL	NULL	NULL	Gold	0	NULL
NULL	NULL	NULL	NULL	NULL	NULL	130
jannah	leo	2	piah	NULL	NULL	NULL
NULL	NULL	NULL	NULL	Diamond	0	NULL
NULL	NULL	NULL	NULL	NULL	NULL	250
izzah	ambrien	6	jannah	NULL	NULL	NULL
NULL	NULL	NULL	NULL	Diamond	0	NULL
NULL	NULL	NULL	NULL	NULL	NULL	250

☐ Show all | Number of rows: 25 ▼ Filter rows:

2. Structure

Server: 127.0.0.1 » Database: jannah » Table: cat_boarding_registration

[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	catowner	varchar(30)	utf8mb4_general_ci		Yes	NULL			Change Drop More
<input type="checkbox"/> 2	catname	varchar(30)	utf8mb4_general_ci		Yes	NULL			Change Drop More
<input type="checkbox"/> 3	age	int(50)			Yes	NULL			Change Drop More
<input type="checkbox"/> 4	staffincharge	varchar(15)	utf8mb4_general_ci		Yes	NULL			Change Drop More
<input type="checkbox"/> 5	package_type	varchar(10)	utf8mb4_general_ci		Yes	NULL			Change Drop More
<input type="checkbox"/> 6	day_count	int(5)			Yes	NULL			Change Drop More
<input type="checkbox"/> 7	total_price	int(255)			Yes	NULL			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](#) [Normalise](#)

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

[Indexes](#)