



UNIVERSITI TEKNOLOGI MARA

KEDAH BRANCH

SCHOOL OF INFORMATION SCIENCE

COLLEGE OF COMPUTING, INFORMATICS AND MATHEMATICS

DIPLOMA IN LIBRARY INFORMATICS (CDIM144)

IML208: PROGRAMMING FOR LIBRARIES

INDIVIDUAL PROJECT(REPORT): BOUTIQUE MEMBERSHIP GATEWAY

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GROUP: CDIM1443F

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SUBMISSION DATE:

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BRIEFING

This individual project will ease the user's everyday routine because they can list all the to-do list in it so they will get to know everything that they need to do. So, these are several objectives for this coding:

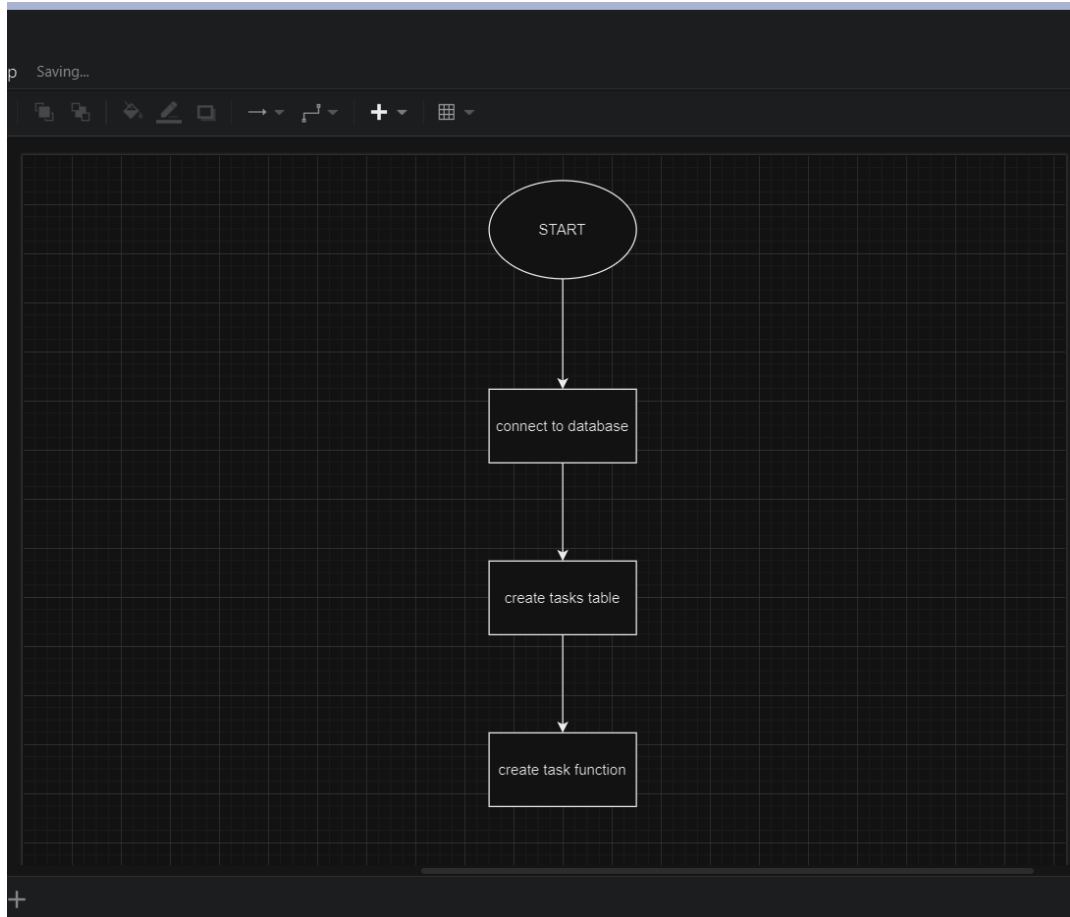
Objective 1: Efficient Task Management

The primary goal of the to-do list application is to provide users with a tool for efficient task management. Users can input, view, and delete tasks in a simple and organized manner. The graphical user interface, designed using Tkinter, ensures an intuitive user experience, allowing users to interact with their tasks seamlessly.

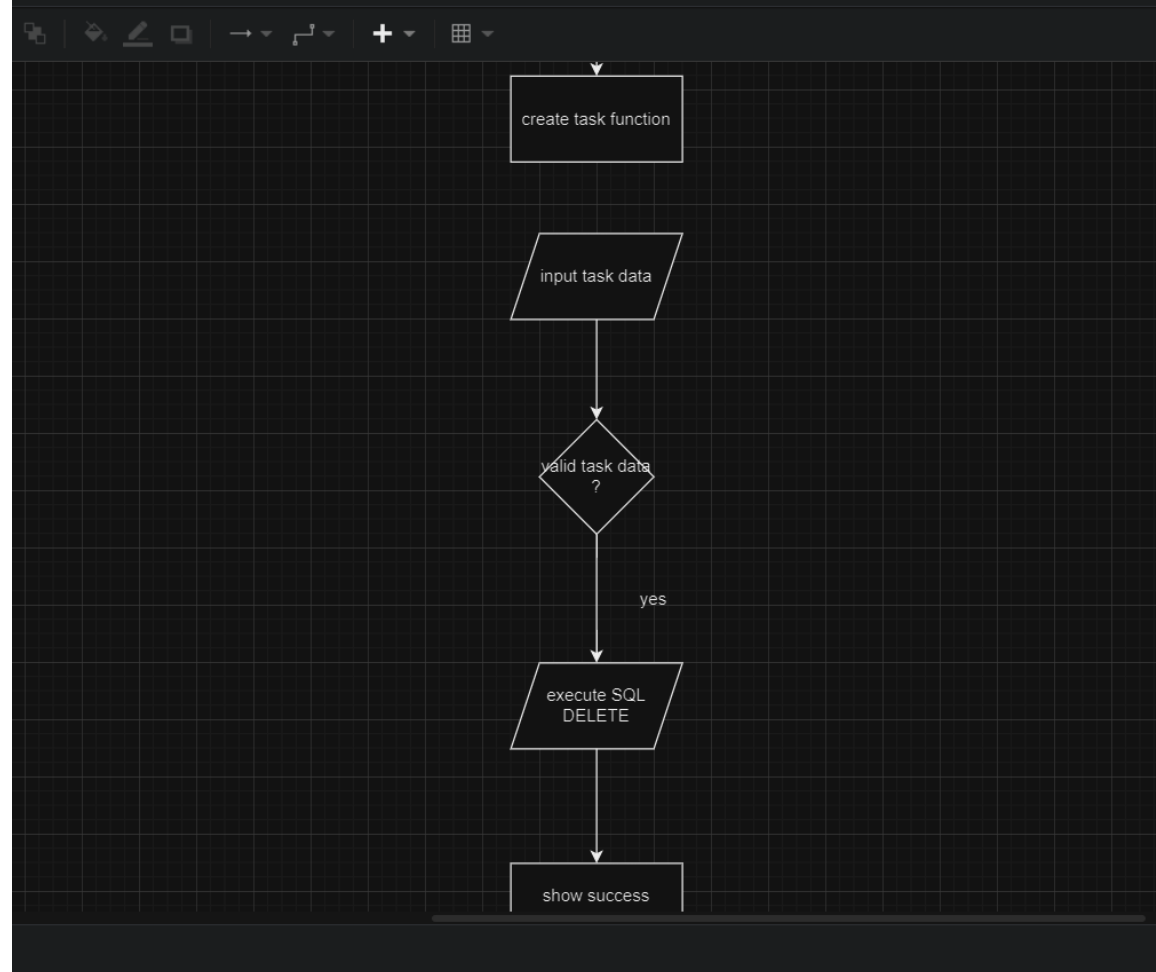
Objective 2: User-Friendly Interface

A key objective is to create a user-friendly interface that allows users to easily input task details. Entry widgets for task name, due date, and priority, along with appropriately labeled buttons, enhance the clarity of the user interface. The use of a listbox to display tasks adds to the overall simplicity of the design.

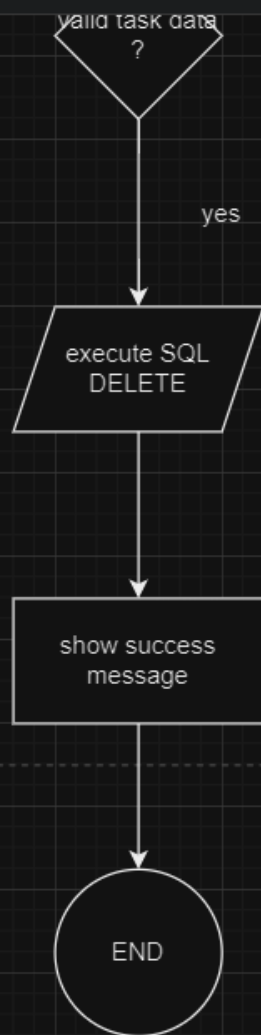
FLOWCHART



changes saved in Drive



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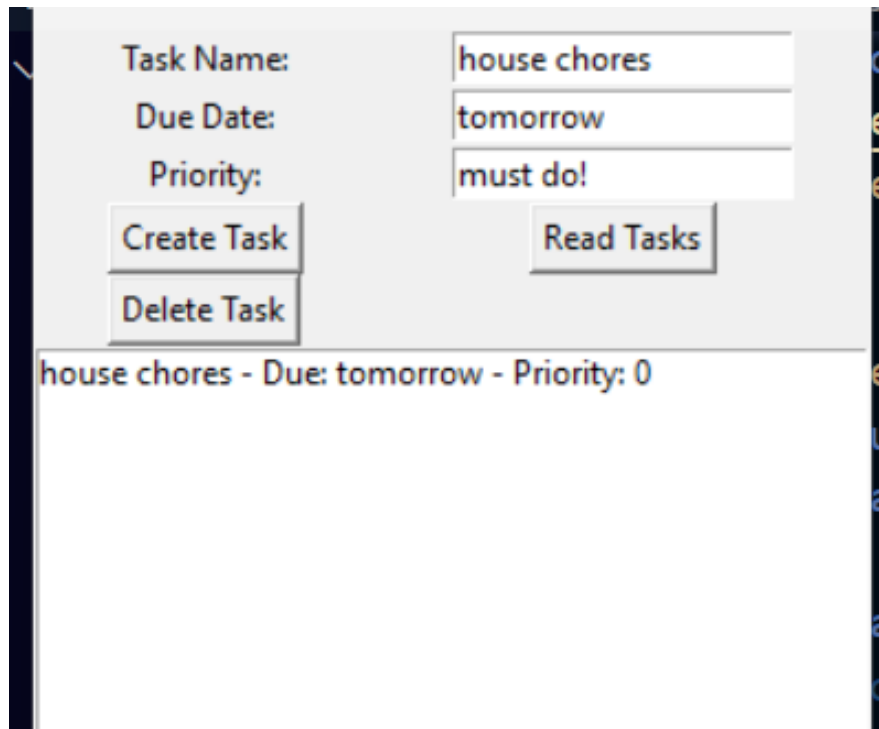


SNAPSHOT OF THE CODE

```
lection View Go Run ... ← → Untitled (Workspace)
... indv_assignment7.py indv_assignment2.py X indv_assignment1.py
WORKSPACE) week4 > week13 > indv_assignment2.py > ...
60 # Create the main window
61 root = tk.Tk()
62 root.title("To-Do List")
63
64 # Entry widgets
65 label_name = tk.Label(root, text="Task Name:")
66 label_name.grid(row=0, column=0)
67 entry_name = tk.Entry(root)
68 entry_name.grid(row=0, column=1)
69
70 label_due_date = tk.Label(root, text="Due Date:")
71 label_due_date.grid(row=1, column=0)
72 entry_due_date = tk.Entry(root)
73 entry_due_date.grid(row=1, column=1)
74
75 label_priority = tk.Label(root, text="Priority:")
76 label_priority.grid(row=2, column=0)
77 entry_priority = tk.Entry(root)
78 entry_priority.grid(row=2, column=1)
79
80 # Buttons for CRUD operations
81 button_create = tk.Button(root, text="Create Task", command=lambda:
82 create_task())
83 button_create.grid(row=3, column=0)
84
85 button_read = tk.Button(root, text="Read Tasks", command=lambda:
86 refresh_task_list())
87 button_read.grid(row=3, column=1)
88
89 button_delete = tk.Button(root, text="Delete Task", command=lambda: delete_task())
90 button_delete.grid(row=4, column=0)
91
Ln 18, Col 32 Spaces: 4 UTF-8 CRLF (Python)
```

```
Selection View Go Run ... ← → Untitled (Workspace)
... indv_assignment7.py indv_assignment2.py X indv_assignment1.py
UNTITLED (WORKSPACE) week4 > week13 > indv_assignment2.py > ...
76 label_priority.grid(row=2, column=0)
77 entry_priority = tk.Entry(root)
78 entry_priority.grid(row=2, column=1)
79
80 # Buttons for CRUD operations
81 button_create = tk.Button(root, text="Create Task", command=lambda:
82 create_task())
83 button_create.grid(row=3, column=0)
84
85 button_read = tk.Button(root, text="Read Tasks", command=lambda:
86 refresh_task_list())
87 button_read.grid(row=3, column=1)
88
89 button_delete = tk.Button(root, text="Delete Task", command=lambda: delete_task())
90 button_delete.grid(row=4, column=0)
91
92
93 # Listbox to display tasks
94 tasks_listbox = tk.Listbox(root, height=10, width=50)
95 tasks_listbox.grid(row=5, column=0, columnspan=2)
96
97 # Start the Tkinter event loop
98 root.mainloop()
99
100 # Close the database connection when the program exits
101 connection.close()
102
LINE
LINE
Ln 18, Col 32 Spaces: 4 UTF-8 CRLF (Python 3.1)
```


SNAPSHOT OF GUI INTERFACE



Task Name: house chores

Due Date: tomorrow

Priority: must do!

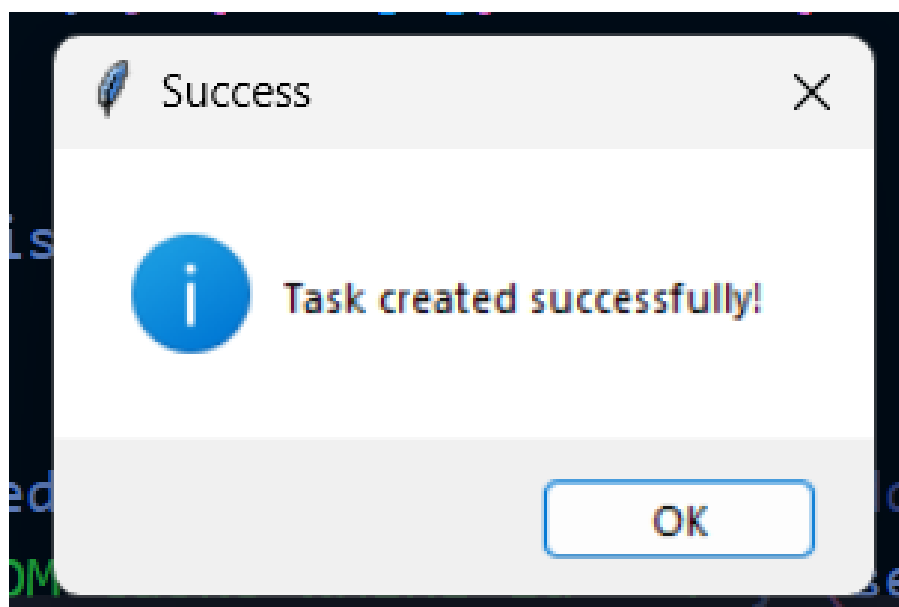
Create Task

Delete Task

Read Tasks

house chores - Due: tomorrow - Priority: 0

FIRST GUI INTERFACE



SECOND GUI INTERFACE

SNAPSHOT OF DATABASE

The screenshot displays the phpMyAdmin web interface. The left sidebar shows a tree view of databases and tables, with 'tasks_database.db' selected. The main panel shows the 'tasks' table structure and query results.

Database: tasks_database.db | Table: tasks

Showing rows 0 - 0 (1 total, Query took 0.0002 seconds)

SELECT * FROM `tasks`

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

id	name	due_date	priority
0	dishes	2 January 2024	0

Query results operations: Print, Copy to clipboard, Export, Display chart, Create view

Bookmark this SQL query

Label: ☐ Let every user access this bookmark

Bookmark this SQL query