



INFORMATICS
INSTITUTE OF
TECHNOLOGY

UNIVERSITY OF
WESTMINSTER[®]

University of Westminster

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Assignment type: Individual coursework

Group : 01

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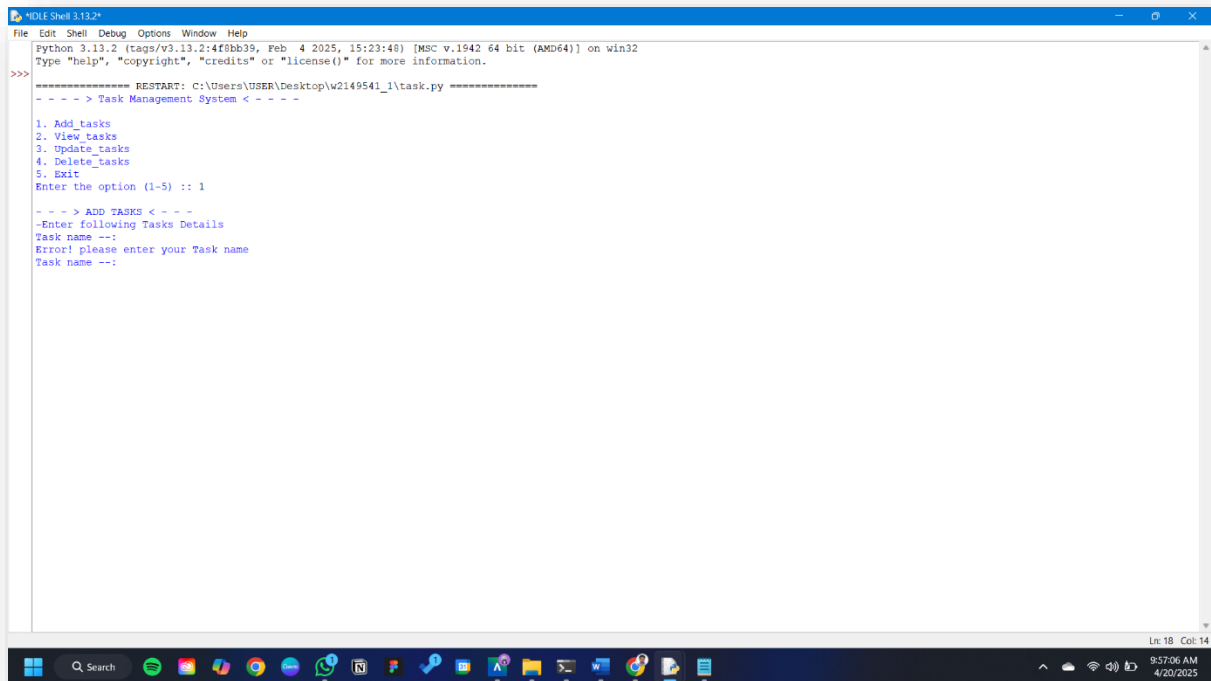
School of Computing
Informatics Institute of Technology (IIT Campus)

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Stage 03 -Test cases and their outcomes

Test Case ID	Input	Expected Outcome	Description	Actual Outcome	Result (Pass/Fail)
Add Tasks Inputs					
TC_001	Task Name: " "	"Error! Please Enter your Task name"	Rejects Empty Task name	"Error! Please Enter your Task name"	Pass
TC_002	Valid Input Task	"Task Added Successfully"	Add the task with input validation	"Task Added Successfully"	Pass
TC_003	Priority: "Loe"	Invalid Input please enter [low, medium, high] message	Rejects unlisted priority	Invalid Input please enter [low, medium, high]	Pass
View Tasks					
TC_004	No Tasks	No Tasks Available	Handles no-task scenario	"No tasks available" show	Pass
TC_005	Task Exist	Show all tasks	Show all task with details correctly & JSON file	Task listed as expected	Pass
Update Tasks					
TC_006	Update All task 1 for Field	Task Updated Succuessfully in JSON File"	Verifies full update	"Your Task updated Successfully in JSON File"	Pass
TC_007	Task index: 111	Error for Task index: 111	Invalid task index	"Invalid Task number"	Pass
Delete Tasks					
TC_008	Task index: 999	Error for Task index: 999	Invalid task index	"Invalid Task number"	Pass
TC_009	Task Index 1	Task deleted Succuessfully in JSON file	Valid deletion	"Task deleted Successfully in JSON file"	Pass
File Handling					
TC_010	Save tasks with valid inputs	Data saved in test.json	Ensures file handling write works	Task saved in test.json	Pass
TC_011	Restart after saving tasks	Tasks loaded successfully JSON	Loads from file if present	Except tasks are display	Pass

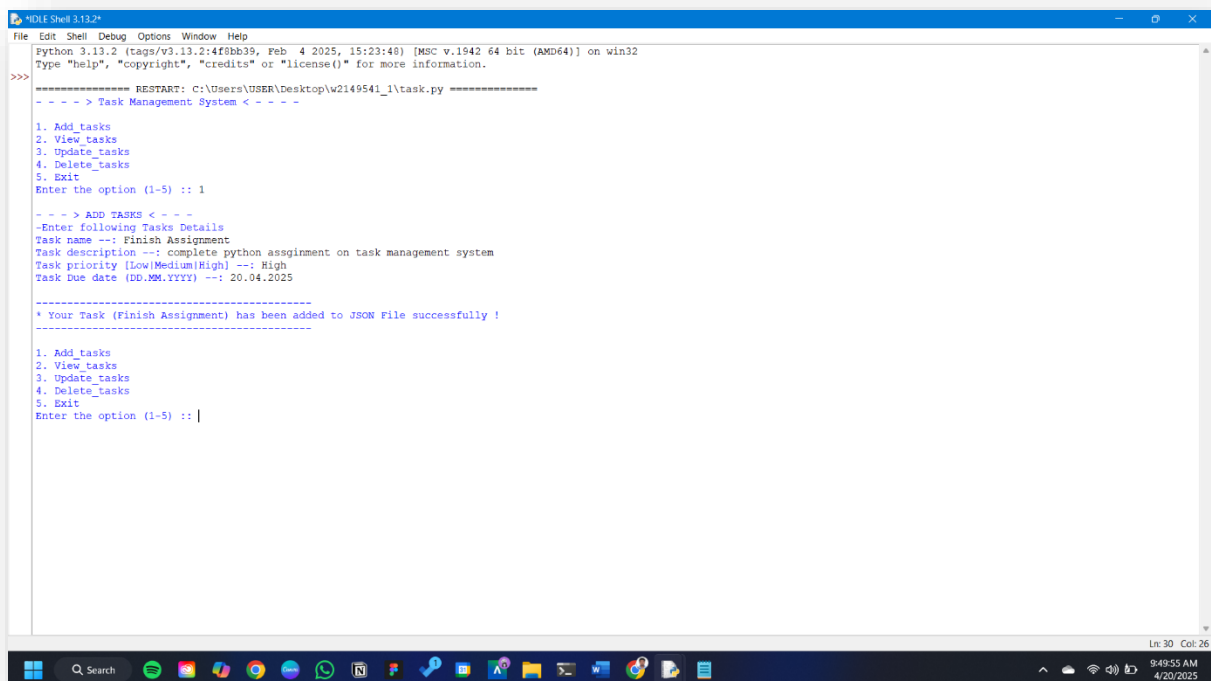


```
Python 3.13.2 (tags/v3.13.2:4f8bb39, Feb 4 2025, 15:23:48) [MSC v.1942 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\USER\Desktop\w2149541_1\task.py =====
- - - -> Task Management System < - - - -

1. Add_tasks
2. View_tasks
3. Update_tasks
4. Delete_tasks
5. Exit
Enter the option (1-5) :: 1

- - - -> ADD TASKS < - - - -
-Enter following Tasks Details
Task name --:
Error! please enter your Task name
Task name --:
```

Figure 1 Test Case - TC_001



```
Python 3.13.2 (tags/v3.13.2:4f8bb39, Feb 4 2025, 15:23:48) [MSC v.1942 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\USER\Desktop\w2149541_1\task.py =====
- - - -> Task Management System < - - - -

1. Add_tasks
2. View_tasks
3. Update_tasks
4. Delete_tasks
5. Exit
Enter the option (1-5) :: 1

- - - -> ADD TASKS < - - - -
-Enter following Tasks Details
Task name --: Finish Assignment
Task description --: complete python assignment on task management system
Task priority [Low/Medium/High] --: High
Task Due date (DD.MM.YYYY) --: 20.04.2025

* Your Task (Finish Assignment) has been added to JSON File successfully !

1. Add_tasks
2. View_tasks
3. Update_tasks
4. Delete_tasks
5. Exit
Enter the option (1-5) :: |
```

Figure 2 Test Case - TC_002

```
Python 3.13.2 (tags/v3.13.2:4f8bb39, Feb 4 2025, 15:23:48) [MSC v.1942 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\USER\Desktop\w2149541_1\task.py =====
----- > Task Management System < -----
1. Add_tasks
2. View_tasks
3. Update_tasks
4. Delete_tasks
5. Exit
Enter the option (1-5) :: 1

----- > ADD TASKS < -----
-Enter following Tasks Details
Task name --: Finish assignment
Task priority [Low|Medium|High] --: low
Invalid input please enter [low|medium|high]
Task priority [Low|Medium|High] --: |
```

Figure 3 Test Case - TC_003

```
Python 3.13.2 (tags/v3.13.2:4f8bb39, Feb 4 2025, 15:23:48) [MSC v.1942 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\USER\Desktop\w2149541_1\task.py =====
----- > Task Management System < -----
1. Add_tasks
2. View_tasks
3. Update_tasks
4. Delete_tasks
5. Exit
Enter the option (1-5) :: 2

----- > VIEW TASKS < -----

* No Tasks available

-----
1. Add_tasks
2. View_tasks
3. Update_tasks
4. Delete_tasks
5. Exit
Enter the option (1-5) ::
```

Test.json

Figure 4 Test Case - TC_004

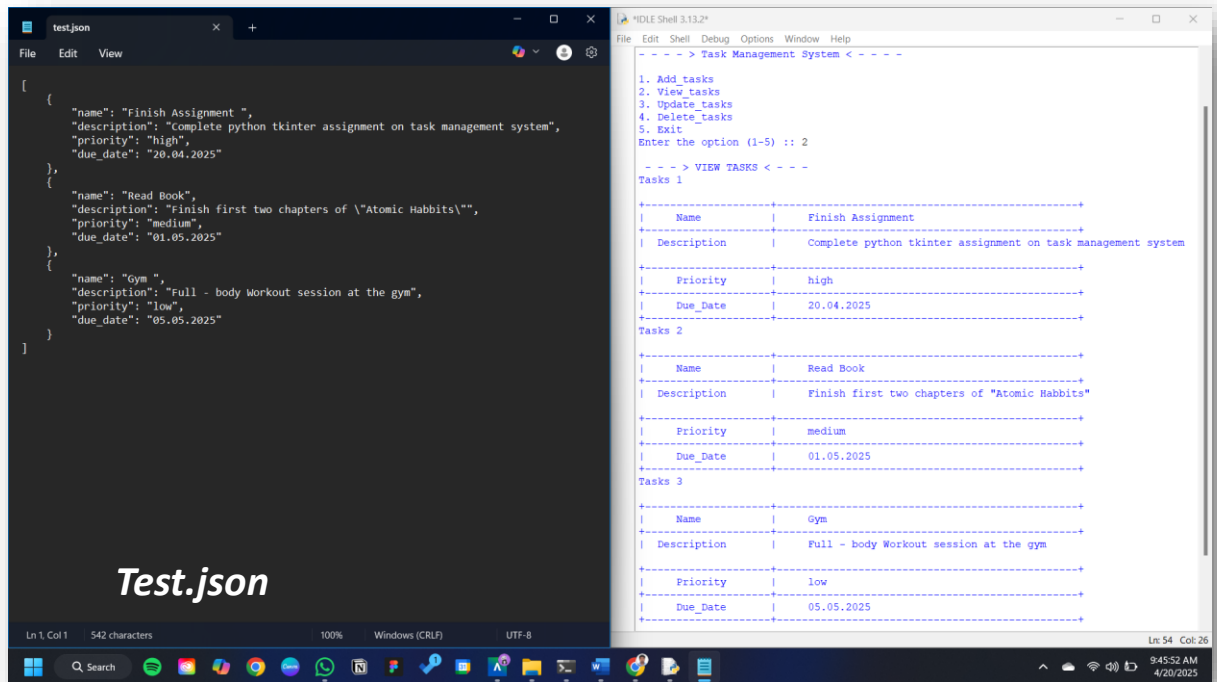


Figure 5 Test Case - TC_005

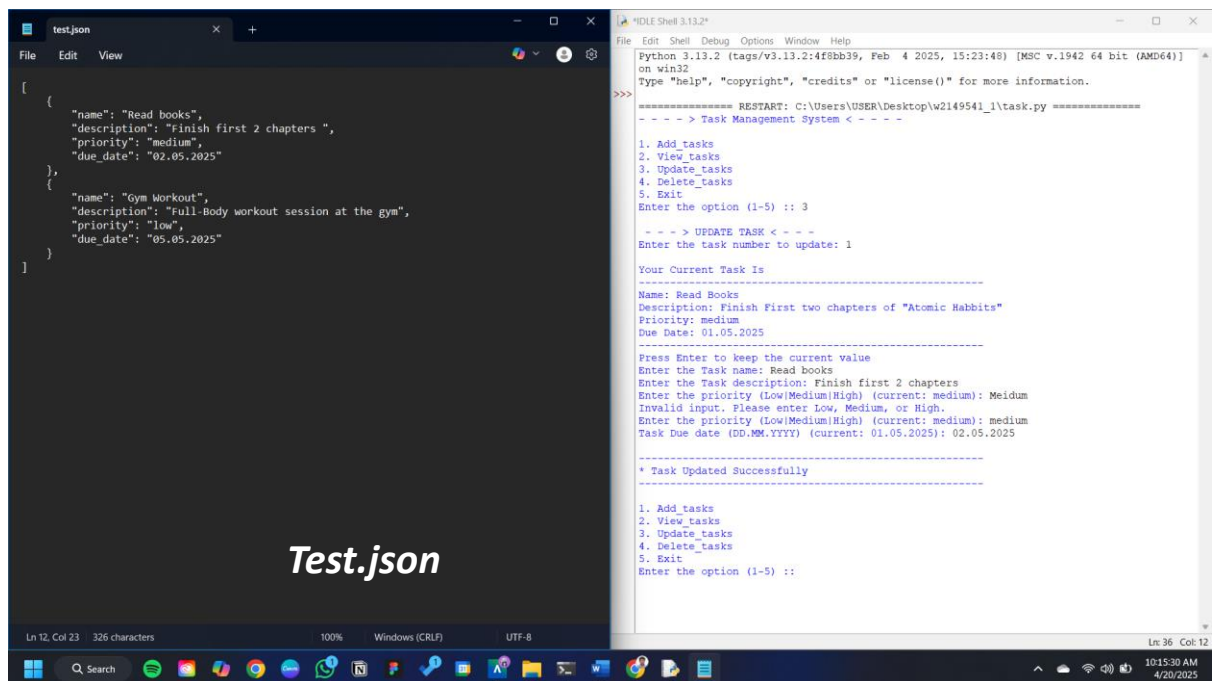


Figure 6 Test Case - TC_006

```
Python 3.13.2 (tags/v3.13.2:4f0bb39, Feb 4 2025, 15:23:40) [MSC v.1942 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\USER\Desktop\w2149541_1\task.py =====
- - - -> Task Management System < - - - -
1. Add_tasks
2. View_tasks
3. Update_tasks
4. Delete_tasks
5. Exit
Enter the option (1-5) :: 3
- - - -> UPDATE TASK < - - - -
Enter the task number to update: 1111
Invalid Task number
1. Add_tasks
2. View_tasks
3. Update_tasks
4. Delete_tasks
5. Exit
Enter the option (1-5) :: |
```

Figure 7 Test Case - TC_007

```
Python 3.13.2 (tags/v3.13.2:4f0bb39, Feb 4 2025, 15:23:40) [MSC v.1942 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\USER\Desktop\w2149541_1\task.py =====
- - - -> Task Management System < - - - -
1. Add_tasks
2. View_tasks
3. Update_tasks
4. Delete_tasks
5. Exit
Enter the option (1-5) :: 4
- - - -> DELETE TASK < - - - -
Enter the task number to delete: 999
Invalid Task Number.
1. Add_tasks
2. View_tasks
3. Update_tasks
4. Delete_tasks
5. Exit
Enter the option (1-5) ::
```

Figure 8 Test Case - TC_008

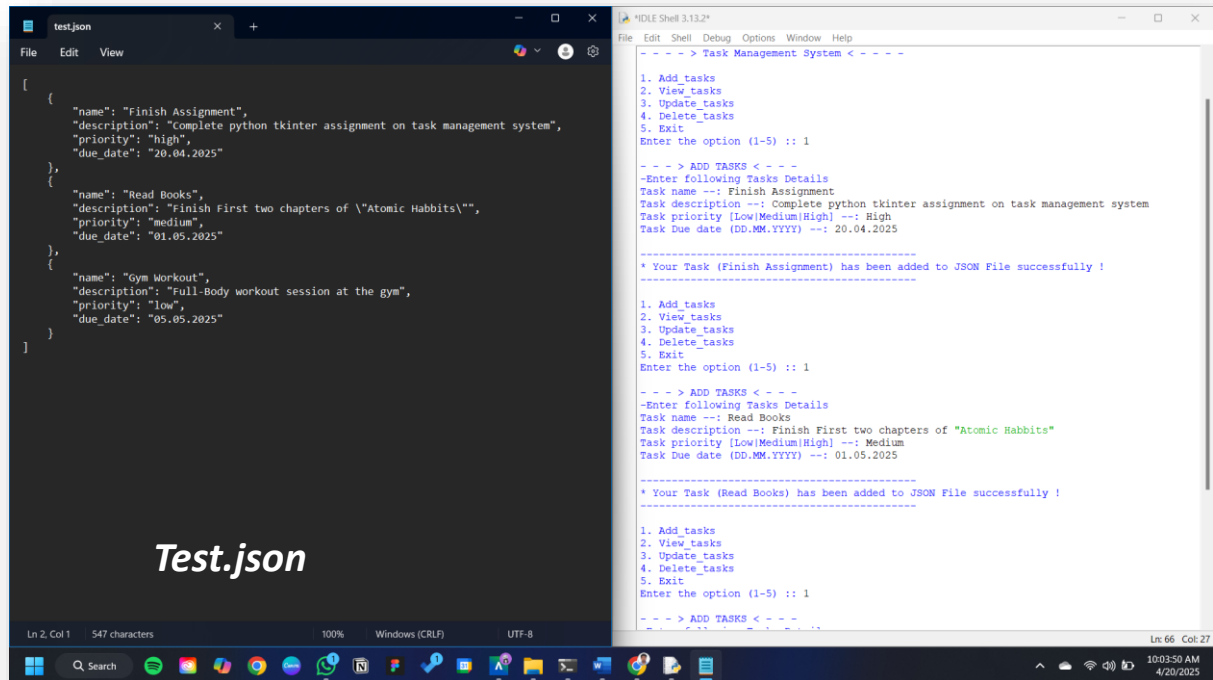


Figure 9 Test Case - TC_009

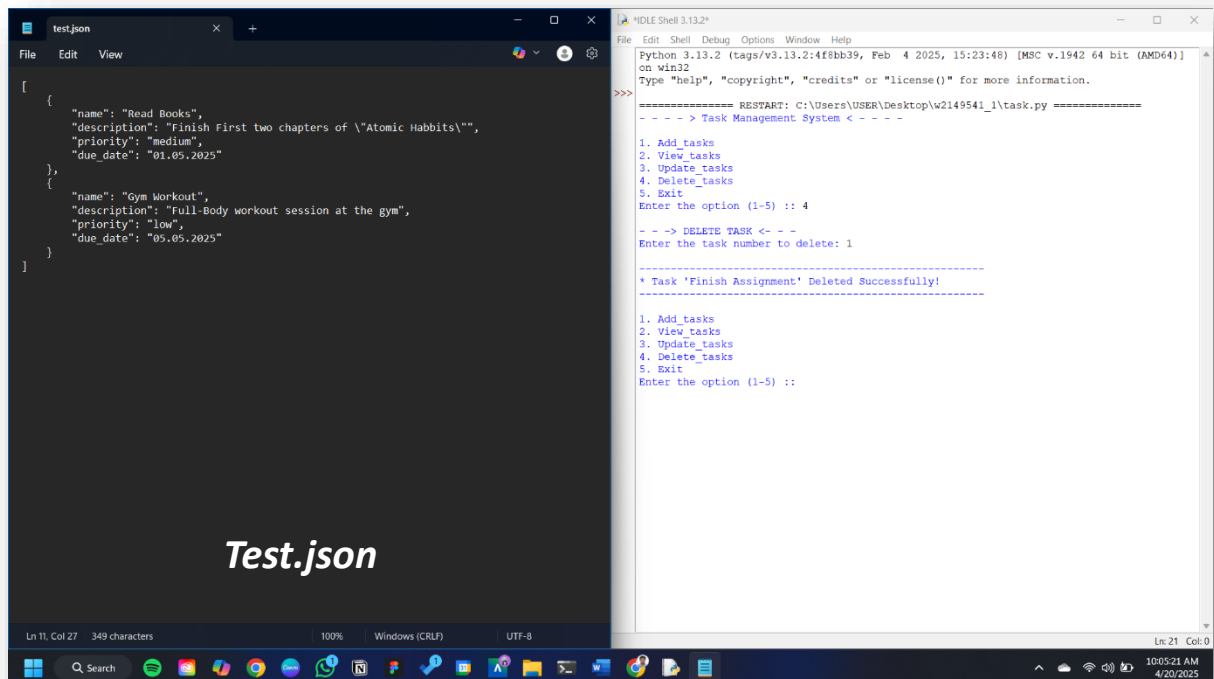
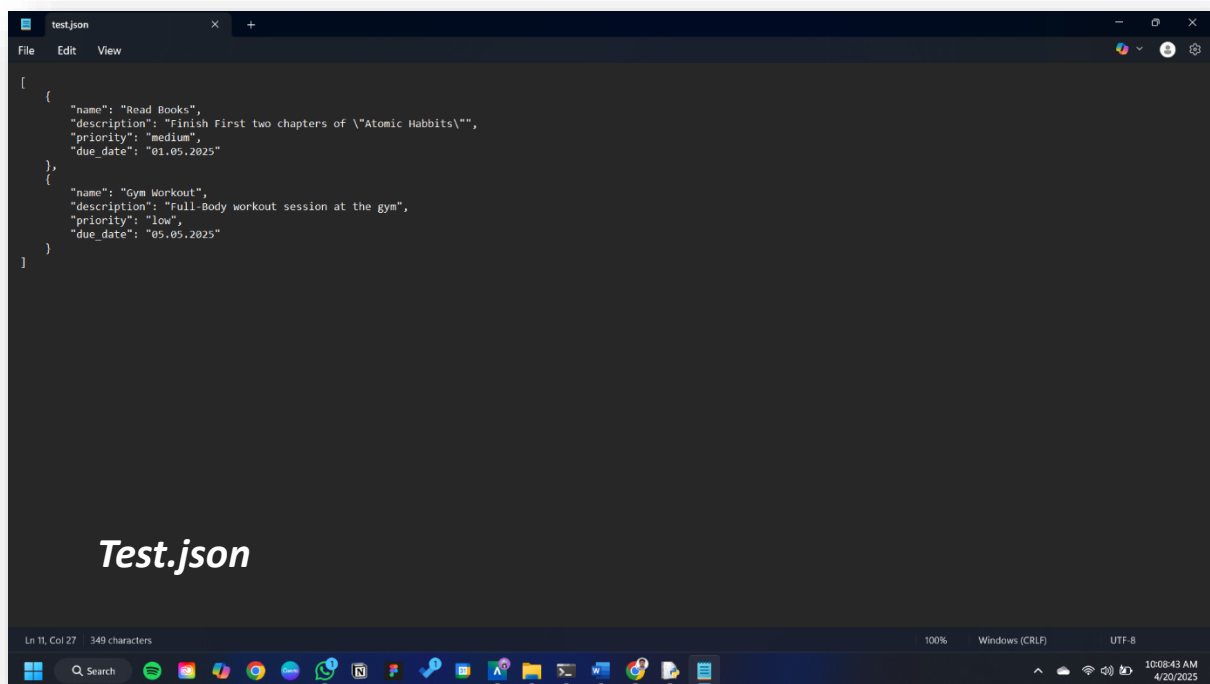


Figure 10 Test Case - TC_010



```
[
  {
    "name": "Read Books",
    "description": "Finish First two chapters of \"Atomic Habbits\"",
    "priority": "medium",
    "due_date": "01.05.2025"
  },
  {
    "name": "Gym Workout",
    "description": "Full-Body workout session at the gym",
    "priority": "low",
    "due_date": "05.05.2025"
  }
]
```

Test.json

Ln 11, Col 27 349 characters 100% Windows (CRLF) UTF-8 10:08:43 AM 4/20/2025

Figure 11 Test Case - TC_ 011

Stage 04

I will create Task management System Using python Tkinter , The interface will include

- Filter options (Task Name , Due Date , Priority)
- Apply Filter button
- Clickable Table Headers (Each of heading allowing sort the table)
- Exit button to close the program
- Blue background for window.

Stage 04 Test cases

Test Case ID	Input	Description	Outcome	Result (Pass/Fail)
SS_001	User Interface	Run the stage 04 code	Display output interface	Pass
SS_002	Fiter option Medium	Testing filter options	Display high priority tasks	Pass
SS_003	Json & interface	Run stage 04 & JSON file	Display interface & JSON file	Pass

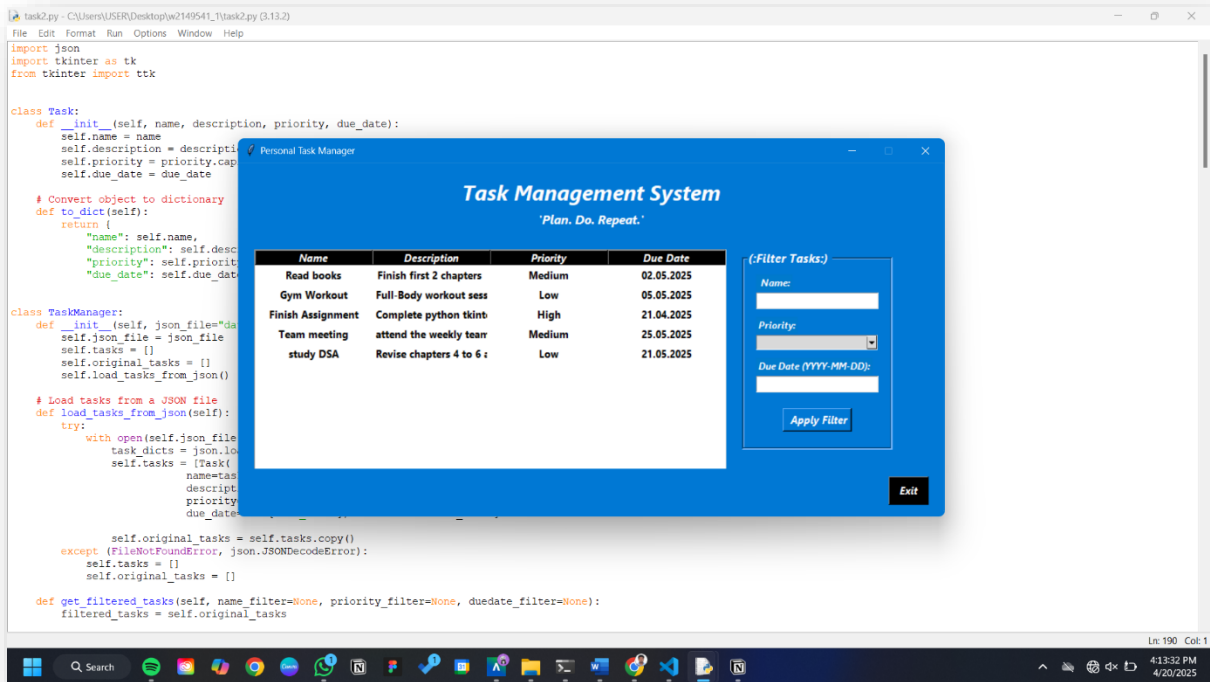


Figure 1 Test Case - SS_001

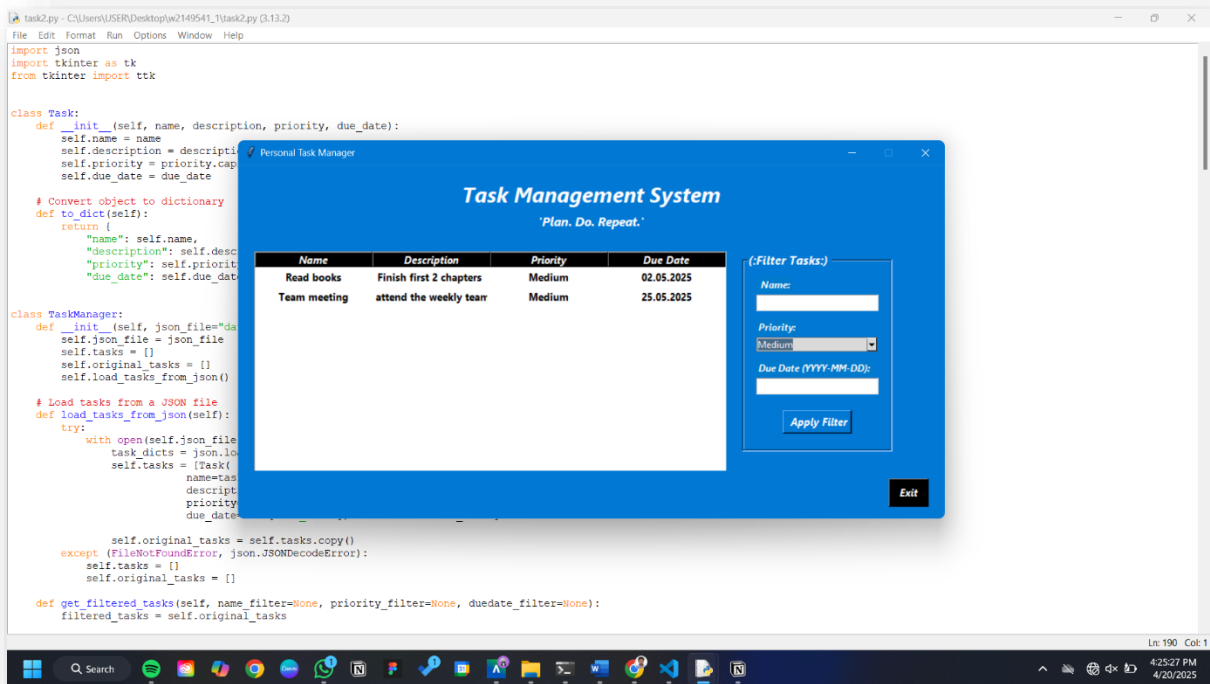


Figure 2 Test Case - SS_002

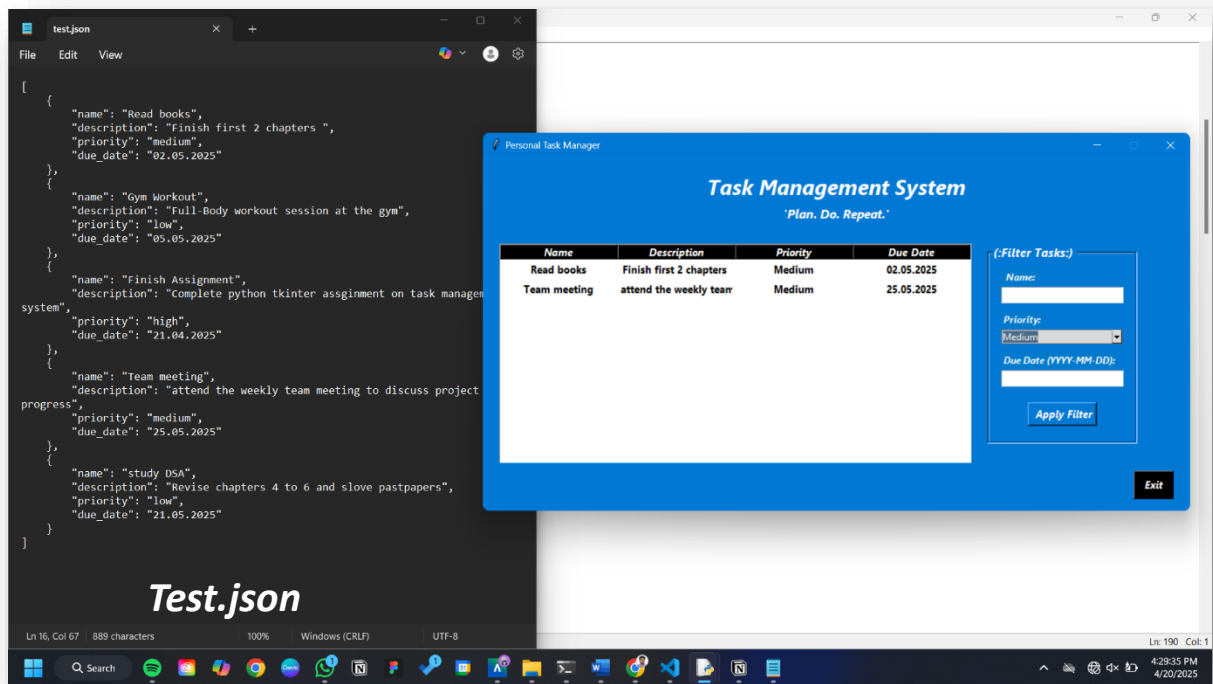


Figure 3 Test Case - SS_ 003