

Testing Document – Simple Task List Application

Project Information

- Project Name: Simple Task List Application
- Language: C++
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1. Objective

The purpose of this document is to test conducted for the Simple Task List Application. The aim is to verify that all features work as intended and that the application handles edge cases correctly.

2. Scope

The testing covers:

- Task Management (add, view, mark completed, delete)
- Sorting & filtering
- Error handling for invalid inputs

3. Test Cases

Test ID	Feature	Input	Expected Result	Actual Result	Status
TC01	Add Task	Task: “Add Task Function”, Due Date: 12/09/2025	Task successfully added.	The task was added successfully.	Pass
TC02	View Tasks	Option = 2	Displays all tasks.	All tasks are displayed.	Pass
TC03	Mark Task Completed	Task ID = 1	Task ID =1 Status updated to “Completed”	Task marked as “Completed” successfully.	Pass
TC04	Delete Task	Task ID = 2	Task deleted from list.	Task removed from list successfully.	Pass

TC05	Sort Tasks by Due Date	Option = 5	Tasks displays in order.	Tasks appeared sorted by due date.	Pass
TC06	Filter by Status	Filter: Completed	Only completed tasks are shown.	Only completed tasks were displayed.	Pass
TC07	Invalid Date Format	“2025/09/12”	“Invalid date format! Please use DD/MM/YYYY Y.” display.	The system showed “ Invalid date format! Please use DD/MM/YYYY.”	Pass
TC08	Empty Task Name	Task name blank	“Task name cannot be empty.” display.	System displayed “Task name cannot be empty.”	Pass
TC09	Delete Non-Existent Task	Task ID = 99	“Invalid task ID!” display	System displayed “Invalid task ID!”	Pass
TC10	Mark Already Completed	Task ID = 1 (task status already completed).	“Task already completed!” display.	System displayed “Task already completed!”	Pass

4. Edge Cases

- Tested invalid dates.
- Tested delete a task that doesn't exist.
- Tested task already completed.

5. Conclusion

All features were successfully tested. The application works as expected and handles edge cases with proper error messages.