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In [*]: class Task:
            def __init__(self, description, priority, due_date):
                self.description = description
                self.priority = priority
                self.due_date = due_date
                self.completed = False
        class ToDoList:
            def __init__(self):
                self.tasks = []
            def add_task(self, task):
                self.tasks.append(task)
            def remove task(self, task):
                self.tasks.remove(task)
            def mark_completed(self, task):
                task.completed = True
            def display tasks(self):
                for task in self.tasks:
                    status = "√" if task.completed else " "
                    print(f"{status} {task.description} (Priority: {task.priority}, Du
        def main():
            todo_list = ToDoList()
            while True:
                print("\n--- To-Do List ---")
                print("1. Add Task")
                print("2. Remove Task")
                print("3. Mark Task as Completed")
                print("4. Display Tasks")
                print("5. Exit")
                choice = input("Enter your choice: ")
                if choice == "1":
                    description = input("Enter task description: ")
                    priority = input("Enter task priority (high/medium/low): ")
                    due_date = input("Enter due date (DD-MM-YYYY): ")
                    task = Task(description, priority, due_date)
                    todo_list.add_task(task)
                    print("Task added successfully!")
                elif choice == "2":
                    description = input("Enter task description to remove: ")
                    matching_tasks = [task for task in todo_list.tasks if task.descrip
                    if matching_tasks:
                        todo list.remove task(matching tasks[0])
                        print("Task removed successfully!")
                    else:
                        print("Task not found.")
                elif choice == "3":
                    description = input("Enter task description to mark as completed:
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matching_tasks = [task for task in todo_list.tasks if task.descrip
    if matching_tasks:
        todo_list.mark_completed(matching_tasks[0])
        print("Task marked as completed!")
    else:
        print("Task not found.")

elif choice == "4":
        todo_list.display_tasks()

elif choice == "5":
        print("Exiting. Have a productive day!")
        break

if __name__ == "__main__":
    main()
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--- To-Do List ---
1. Add Task
2. Remove Task
3. Mark Task as Completed
4. Display Tasks
5. Exit
Enter your choice: 1
Enter task description: project completed
Enter task priority (high/medium/low): high
Enter due date (DD-MM-YYYY): 15-06-2024
Task added successfully!
--- To-Do List ---
1. Add Task
2. Remove Task
3. Mark Task as Completed
4. Display Tasks
5. Exit
Enter your choice: 4
  project completed (Priority: high, Due: 15-06-2024)
--- To-Do List ---
1. Add Task
2. Remove Task
3. Mark Task as Completed
4. Display Tasks
5. Exit
Enter your choice: 1
Enter task description: its time to do next task
Enter task priority (high/medium/low): medium
Enter due date (DD-MM-YYYY): 15-06-2024
Task added successfully!
--- To-Do List ---
1. Add Task
2. Remove Task
3. Mark Task as Completed
4. Display Tasks
5. Exit
Enter your choice: 3
Enter task description to mark as completed: 5
Task not found.
--- To-Do List ---
1. Add Task
2. Remove Task
3. Mark Task as Completed
4. Display Tasks
5. Exit
Enter your choice:
```