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while True:
    print("\nMenu:")
    print("1. Add Task")
    print("2. Display Tasks")
    print("3. Mark Task as Completed")
    print("4. Update Task")
    print("5. Remove Task")
    print("6. Quit")

    choice = input("Enter your choice: ")

    if choice == "1":
        description = input("Enter task description: ")
        due_date = input("Enter due date (YYYY-MM-DD): ")
        priority = input("Enter priority: ")
        task = Task(description, due_date, priority)
        todo_list.add_task(task)
    elif choice == "2":
        todo_list.display_tasks()
    elif choice == "3":
        task_index = int(input("Enter the task index to mark as completed: "))
        todo_list.mark_task_completed(task_index - 1)
    elif choice == "4":
        task_index = int(input("Enter the task index to update: "))
        new_description = input("Enter new description: ")
        new_due_date = input("Enter new due date (YYYY-MM-DD): ")
        new_priority = input("Enter new priority: ")
        todo_list.update_task(task_index - 1, new_description, new_due_date, new_priority)
    elif choice == "5":
        task_index = int(input("Enter the task index to remove: "))
        todo_list.remove_task(task_index - 1)
    elif choice == "6":
        break
    else:
        print("Invalid choice. Please try again.")

if __name__ == "__main__":
    main()

```