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from datetime import datetime

# To-Do list will be a list of dictionaries
todo_list = []

def add_task():
    task = input("Enter task title: ")
    due_date = input("Enter due date (YYYY-MM-DD) [optional]: ")
    reminder = input("Enter reminder message [optional]: ")

    task_data = {
        "task": task,
        "completed": False,
        "due_date": due_date if due_date else None,
        "reminder": reminder if reminder else None
    }

    todo_list.append(task_data)
    print(f"Task '{task}' added!")

def view_tasks():
    if not todo_list:
        print("Your to-do list is empty.")
    else:
        print("\n===== Your To-Do List =====")
        for i, item in enumerate(todo_list):
            status = "✓ Completed" if item["completed"] else "X Not Done"
            due = item['due_date'] if item['due_date'] else "No due date"
            reminder = item['reminder'] if item['reminder'] else "No reminder"
            print(f"{i+1}. {item['task']} [{status}]\n    Due: {due} | Reminder: {reminder}")
        print()

def delete_task():
    view_tasks()
    try:
        task_num = int(input("Enter the task number to delete: "))
        if 1 <= task_num <= len(todo_list):
            removed = todo_list.pop(task_num - 1)
            print(f"Task '{removed['task']}' deleted!")
        else:
            print("Invalid task number.")
    except ValueError:
        print("Please enter a valid number.")

def mark_completed():
    view_tasks()
    try:
        task_num = int(input("Enter the task number to mark as completed: "))
        if 1 <= task_num <= len(todo_list):
            todo_list[task_num - 1]["completed"] = True
            print(f"Task '{todo_list[task_num - 1]['task']}' marked as completed!")
        else:
            print("Invalid task number.")
    except ValueError:
        print("Please enter a valid number.")

def check_reminders():
    print("\n🔔 Checking reminders...")
    today = datetime.today().date()
    reminders_found = False
    for task in todo_list:
        if task["due_date"]:
            try:
                due_date = datetime.strptime(task["due_date"], "%Y-%m-%d").date()
                if due_date <= today and not task["completed"]:
                    print(f"Reminder: '{task['task']}' is due today or overdue! 🕒")
                    if task["reminder"]:
                        print(f"→ Note: {task['reminder']}")
                    reminders_found = True
            except ValueError:
                print(f"Invalid date format for task: {task['task']}")
    if not reminders_found:
        print("No current reminders.")
    print()

def main():

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while True:
    print("\n===== TO-DO LIST MENU =====")
    print("1. Add Task")
    print("2. View Tasks")
    print("3. Delete Task")
    print("4. Mark as Completed")
    print("5. Check Reminders")
    print("6. Exit")

    choice = input("Enter your choice (1-6): ")

    if choice == "1":
        add_task()
    elif choice == "2":
        view_tasks()
    elif choice == "3":
        delete_task()
    elif choice == "4":
        mark_completed()
    elif choice == "5":
        check_reminders()
    elif choice == "6":
        print("Exiting... Stay productive! 🙌")
        break
    else:
        print("Invalid choice. Please try again.")

# Run the app
main()

...
===== TO-DO LIST MENU =====
1. Add Task
2. View Tasks
3. Delete Task
4. Mark as Completed
5. Check Reminders
6. Exit
Enter your choice (1-6): 
```