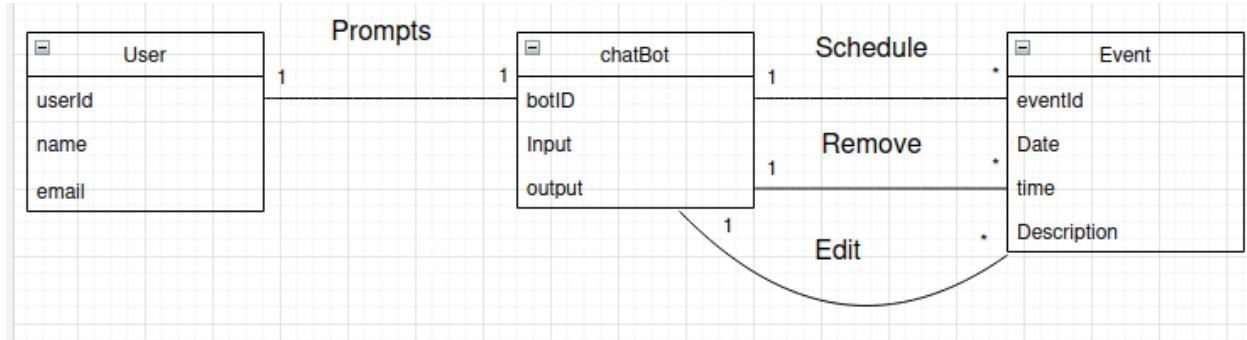


OVERVIEW

Our Idea is to create a calendar with an integrated chat bot capable of scheduling events. This will be usable by anyone who is trying to create a plan or keep track of events. Having the chatbot will make scheduling less of a hassle. The calendar will operate like a regular calendar being able to add events, delete events, look at specific day's events, or check availability. On top of this the calendar will have a chatbot that can do these things for you but in natural language rather than filling out fields.

DOCUMENTATION

Below is a general model of our classes:



- Model View Controller
 - Model
 - Database
 - View
 - Calendar and Chatbot GUI
 - Controller
 - Calendar and Chatbot classes
- Singleton
 - Calendar GUI is a singleton so there isn't 40 windows

TESTS

- Most of our testing has been Manual testing
 - Running code and ensuring it runs properly
- So far we have three automated tests using unittest.
 - Test the add,remove, and list functions

```
PS D:\fall2025\CS2450\calendar_project> python -m unittest tests/test_calendar.py -v
● test_add_and_list (tests.test_calendar.CalendarTests.test_add_and_list) ... ok
test_list_by_date (tests.test_calendar.CalendarTests.test_list_by_date) ... ok
test_remove (tests.test_calendar.CalendarTests.test_remove) ... ok
-----
Ran 3 tests in 0.068s
```

```
alex@Alex-Desktop:~/scripts/CS2450_Final_Project/tests$ python3 test_calendar.py
...
-----
Ran 3 tests in 0.067s
OK
```

