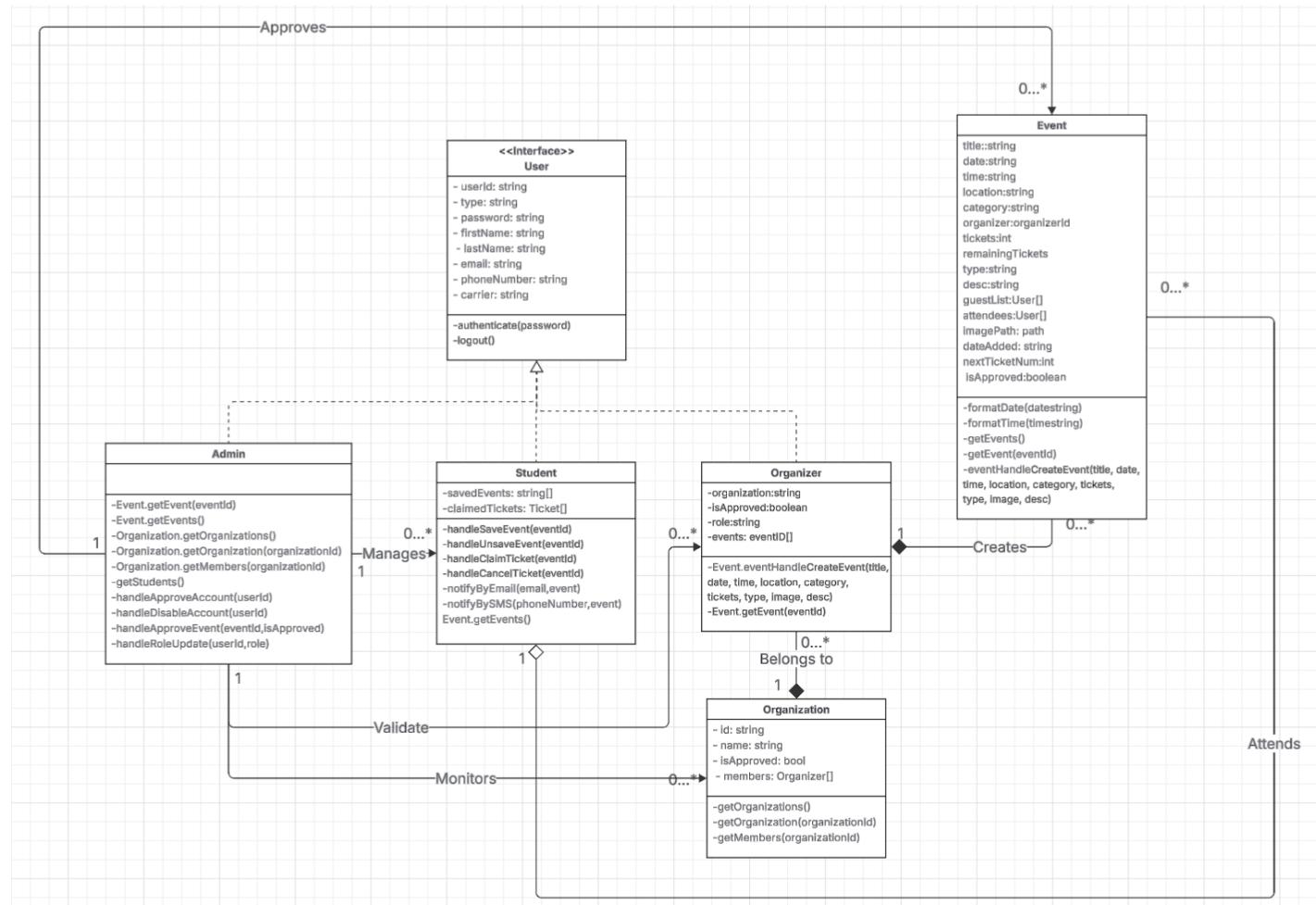


CampusX UML class Diagram

Below is the UML class diagram of the CampusX app it defines a User interface implemented by Admin, Student, and Organizer classes. Admin manages and validates accounts and events, Student interacts with events by saving and claiming tickets, and Organizer creates events and belongs to an Organization. The relationships are:

- Admin **manages** Student (1-to-many).
- Admin **validate** Organizer(1-to-many)
- Organizer **creates** Event (1-to-many). We also have a composition since Event cannot be created and thus exist without an organizer creating them.
- Student **attends** Event (1-to-many). We also have an aggregation since Student have a an array of savedEvents but events can exist outside of the Student.
- Admin **monitors** Organization activity(1-to-many).
- Admin **approves** Event(1-to-many)
- Organizer **belongs to** an Organization(many-to-1). We also have a composition since the organizer are part of the Organization and cannot exist outside of the organization.



[UML class diagram \(Click here for a better view\)](#)