

## **Class Diagram**

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Link:

[https://lucid.app/lucidchart/ca87e27a-7b0a-4a29-8a54-fac725aa5683/edit?viewport\\_loc=-11%2C-11%2C1675%2C913%2C0\\_0&invitationId=inv\\_9110148e-201d-46ea-95a7-de08bf377cca](https://lucid.app/lucidchart/ca87e27a-7b0a-4a29-8a54-fac725aa5683/edit?viewport_loc=-11%2C-11%2C1675%2C913%2C0_0&invitationId=inv_9110148e-201d-46ea-95a7-de08bf377cca)

Brief Explanation:

One of the most important features in our class diagram is the user class. The user class is the base class for the officer class, general user class, and admin class. It contains the basics for each type of account and will allow other types of users to branch off of it with permissions specific to them. Officers are then able to adjust crucial functions of their clubs, which is another important class.

Clubs are managed by admins and officers and can include users. Each club can have subdivisions and also has an event controller and notification controller, which respectively controls events and notifications. Admin users are also able to create their own events and notifications independent of a club.