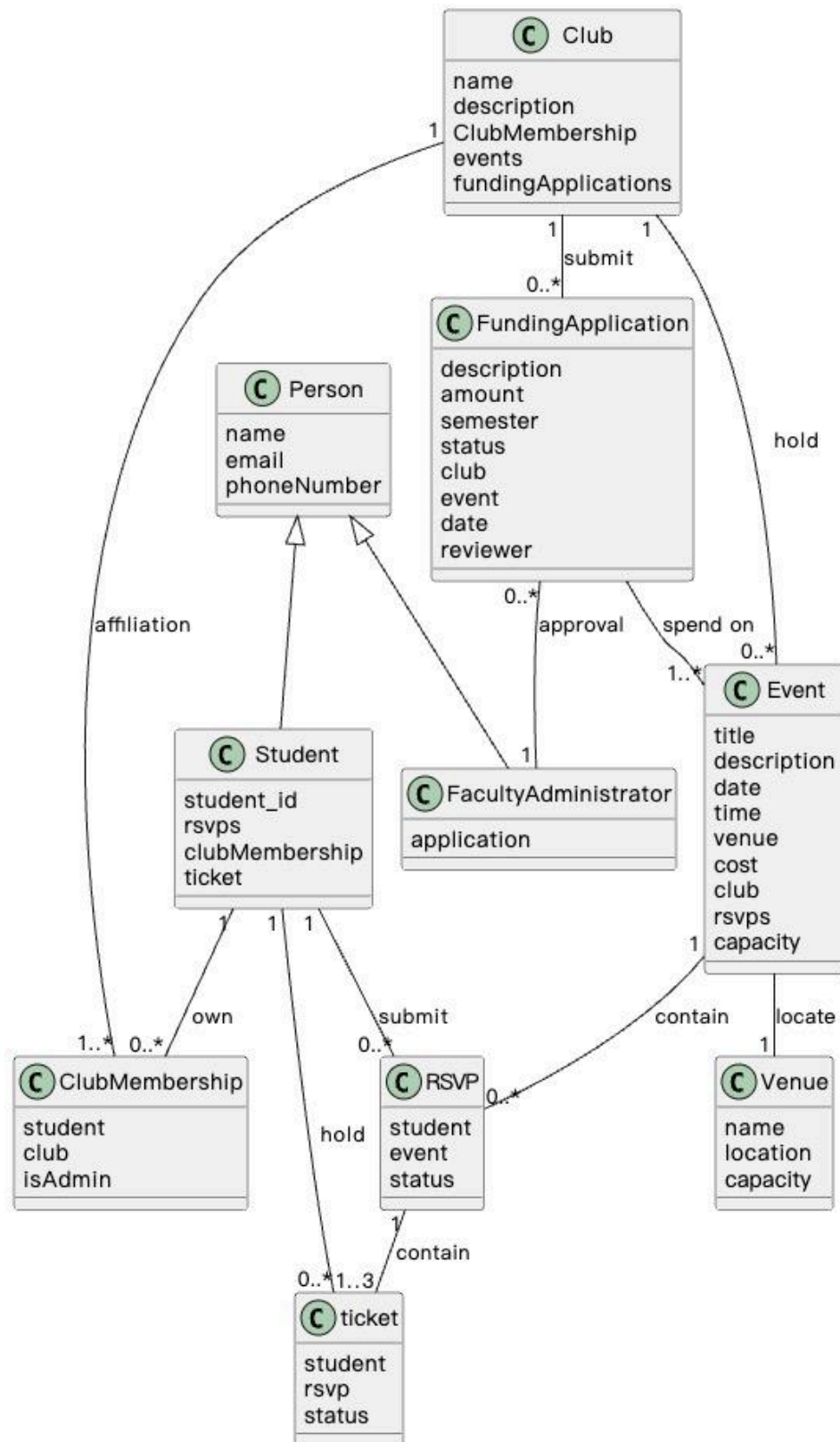


## Team Y

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Domain model diagram



## Domain model description

1. The main users of the system include Students and Faculty Administrators.
2. Each student can have multiple "Club Membership Cards" (Club Membership), which record his identity in different clubs (whether he is an administrator).
3. Each Student can RSVP to multiple events. Each RSVP can apply for event tickets for 1-3 students.
4. RSVP allows students to confirm their attendance at events. Ticket represents the actual entry pass for a student to attend an event. Students can have tickets for multiple events at the same time.
5. The status of RSVP can be :
  - a. Pending (the RSVP has been submitted but is awaiting confirmation)
  - b. Confirmed (the RSVP has been confirmed but ticket is not available yet)
  - c. Cancelled (the RSVP has been cancelled by the student or the event organiser)
  - d. Waitlisted (the RSVP is on a waitlist due to the event reaching its capacity)
  - e. Ticket Issued (the RSVP is confirmed and ticket is available)
6. The status of Ticket can be :
  - a. Pending (the ticket issuance is pending, possible awaiting for the confirmation of RSVP or payment)
  - b. Issued (when the state of RSVP changes to Ticket Issued, the state of Ticket will become Issued as well, indicating the ticket is available but not used yet)
  - c. Redeemed (The ticket has been used)
  - d. Cancelled (the RSVP has been cancelled by the student or the event organiser)
7. Students who are administrators can submit Funding Applications to request funds for Clubs. Applications include a description, amount, semester, status, and date.
8. The status of each Funding Application (submitted, reviewed, approved, or rejected) needs to be changed by a Faculty Administrator.
9. A Funding Application needs to cover at least one event. Each club can submit only one funding application per semester.
10. Clubs can have members, which are instances of Student who can also be administrators of the Club. The administrators of the club can be one or more. Each club has unique attributes such as name and description.

11. The club can organise multiple events. Each event has a title, description, date, time, venue, and cost.
12. Each event corresponds to a unique venue, which indicates the location where events are held, with attributes like name, location, and capacity.
13. Each event can receive multiple RSVP applications.

Git tag: