

Firebase Data Structure

Admin User

- admins
 - adminID: { username: string, password: string }

Student User

- students
 - studentID: { username: string, password: string }

Announcement

- announcements
 - announcementID: { content: string, datePosted: string, author: string }

Complaint

- complaints
 - complaintID: { content: string, datePosted: string, author: string }

Event

- events
 - eventID: { description: string, totalCapacity: number, rsvpdAmount: number, scores: { scoreID: { studentID: string, score: number } } }

Scores (Nested within each Event)

This is a sub-collection within each event, where each entry is a score associated with a student for that event.

scoreID: { studentID: string, score: number }

Suggestion from TA: use a foreign key, such as an event id that is associated with each comment, so when a user creates feedback, they should choose from a list of events. That is to say, when creating the class of a comment, we need to design a field that restore the event that this comment is talking about.