PRAKALPA VOTING DATABASE

User Requirements:

-The people who are a part of the voting application are categorized into admin, participants, students, volunteers and voters.

- The admin is controls and manages the application.Each admin has a unique id (a_d), a name (a_name) and an email address (a_email). The admin can add teams, view the live count of votes, and verifies teams. He also manages the event volunteers.

- Users hold just 3 attributes, a unique id(usn), a name(u_name) and an email(u_email). A user can either be a volunteer, a participant, or a voter.

- The volunteers are responsible for scanning students' ID cards, that marks the students' presence in the event.

- Attendance consists of a unique id attribute(a_id), an android ID that identifies a volunteer's registered phone(androidId), the volunteers unique ID(usn), and a lastModifiedAt attribute that saves the last scanned data entry from a volunteer.

- RegisteredPhones hold the necessary details of volunteers' phones, and makes those volunteers eligible to scan the ID cards. It holds a unique id(r_id), the volunteers' android ID(androidId), an isVerified attribute that is set by the admin. And a registeredAt attribute that holds a timestamp of the time the phone was registered.

- Teams has a unique id (t_id), a team name(t_name), a description(team_description), a createdAt attribute that is a timestamp for when the team was created, an. Additionally, it holds a photoUrl that would help voters identify the project that they would want to vote for.

-For the votes to be recorded, ratings has a unique id(rating_id), the voter's unique ID(usn), and the ids of the teams the voter has voted for(t_id).

- For the user authentication, nonce and sessions are used. Nonce has 3 attributes, count, nonce and a timestamp. Sessions contains a unique id(s_id) a timestamp, and a token. The valid token that ensures secure usage contains the nonce, a payload through which the information is securely sent and received, and a signature.

After the completion of the event, the admin can fetch the results, release it to the students and announce the prize winners.

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