Users
- <u>usn</u>
- name
- email (U)
- role

Teams
- <u>id</u>
- name (U)
- photoUrl (U)
- description
- createdAt

Attendance
- <u>id</u>
- usn (FK)
- phone_id
- lastModifiedAt
- phone_id (FK)

Votes
- <u>id</u>
- usn (FK)
- team_id (FK)

Nonce
- <u>uuid</u>
- count
- timestamp

Sessions
- <u>token</u>
- timestamp
- payload
- signature
- uuid (FK)

registeredPhones
- <u>phone_id</u>
- isVerified
- registeredAt

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.

1. ANIKET NITIN KAULAVKAR   PES1201700095

2. RISHI RAVIKUMAR   PES1201700754

3. VISHNU S MURALI   PES1201701624