© Javier Huang 2023

Rams Events

The Future of School Events

© Javier Huang 2023

What is Rams Events

- New and modern event tracking website
- Engages students
- Clean interface
- Bug-free

Name: **Rams Events**

A Ram is St. Robert's mascot

Clear, easy to remember name

© Javier Huang 2023

What did I use to make it?

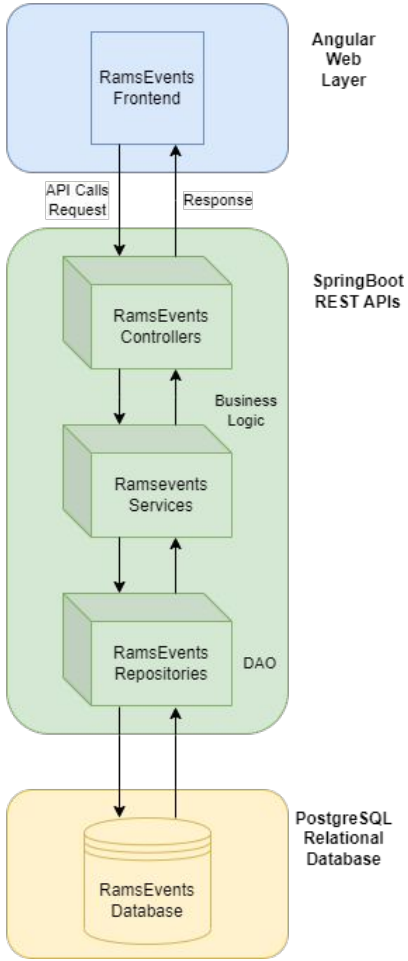
- **Frontend**: Angular + Angular Material + Angular Fire

- **Backend**: Spring Boot REST APIs

- **Database**: PostgreSql

- **Logging**: Logback

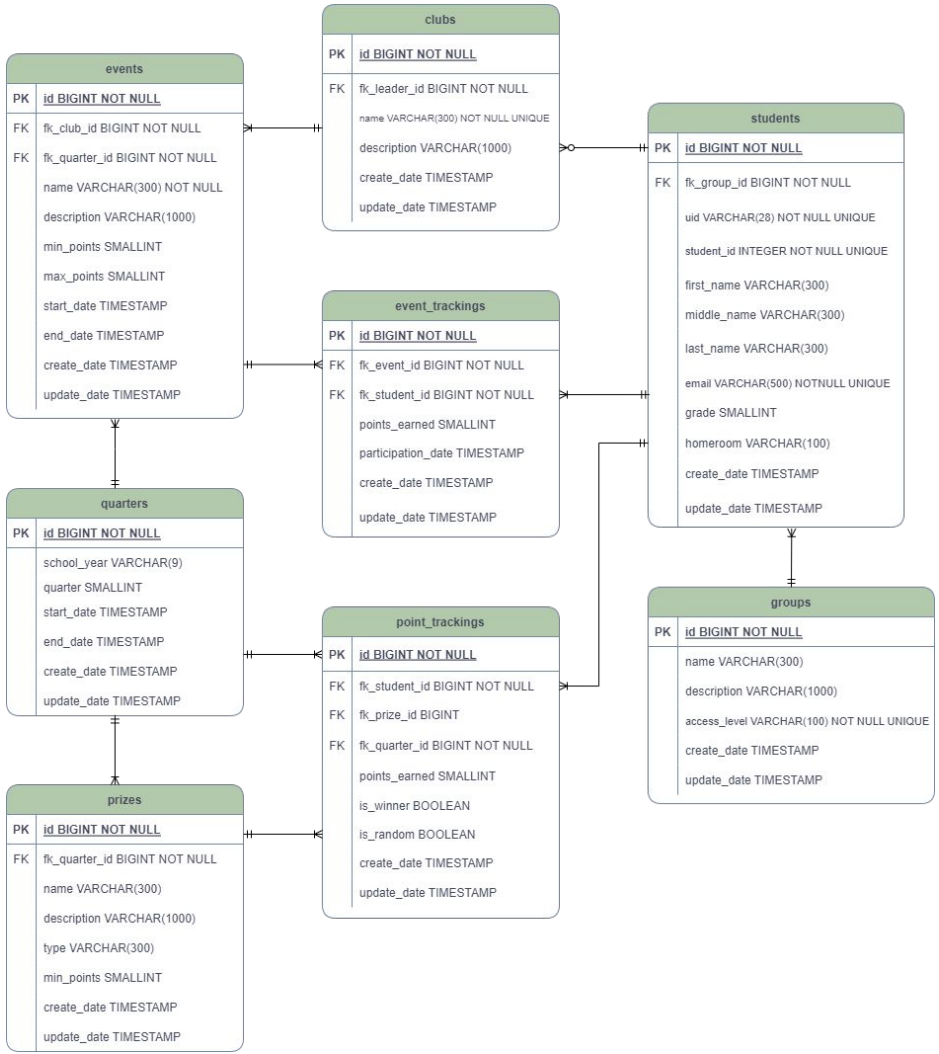
Project Architecture Diagram



© Javier Huang 2023

Database Relationship Diagram

- 1..3 Sequences (8)
  - 1..3 club_sequence
  - 1..3 event_sequence
  - 1..3 event_tracking_sequence
  - 1..3 group_sequence
  - 1..3 point_tracking_sequence
  - 1..3 prize_sequence
  - 1..3 quarter_sequence
  - 1..3 student_sequence
- Tables (8)
  - clubs
  - event_trackings
  - events
  - groups
  - point_trackings
  - prizes
  - quarters
  - students



© Javier Huang 2023

Main Objectives

- To procure a website that fulfills all requirements

Point tracking services

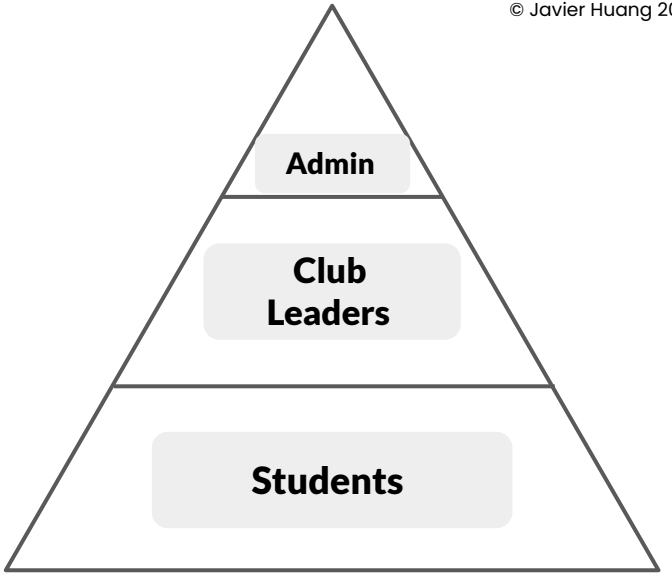
Ability to join events and earn points

Ability to grant/win prizes at the end of each quarter

Generate a report

© Javier Huang 2023

Unique Features



- Access control for different groups of users
  - **Admin**
    - Can grant prizes by the end of quarter
    - Can create, update, and delete any event
    - Monitoring abilities for the entire website
    - Don’t allow to join any event
  - **Club Leaders**
    - Can create, update, and delete events that are pertaining to their owned clubs
    - Monitoring abilities for their club’s events
    - Cannot join their own club hosted events, but can join and leave other club’s events
  - **Students**
    - Can join and leave events, but they don’t have rights to manage events
  - **All users**
    - Can search and view detailed info of events, search rankings, generate ranking reports, view prize information, search and view details info of clubs, and view user profiles