

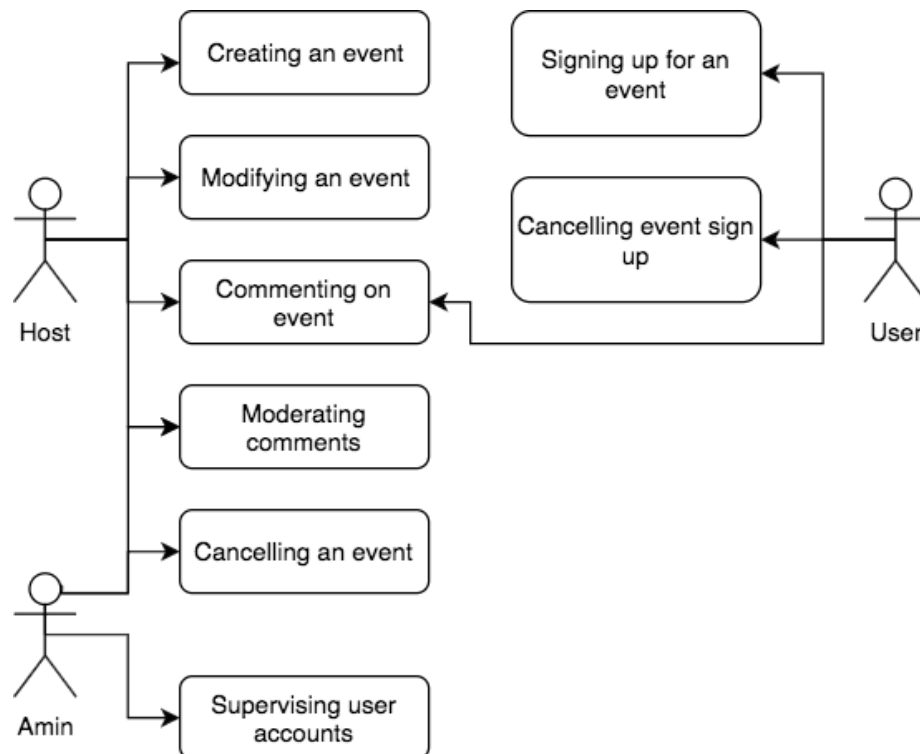
# HQ-Calendar

## Preface

HQ-calendar is a calendar/scheduling application which allows users to conveniently create events, sign up for events and comment on events and provides hosts and administrators with tools to manage the application.

The application back end is a RESTful API made with Node.js using Express web framework and PostgreSQL as the database. The front end is made with React which is a modern JavaScript library developed by Facebook. Both front and back end are run in an UNIX server with Nginx used as http server for front end and reverse proxy for back end.

## Use case



## User groups

**User** is any registered user.

**Host** is an user who has created an event or has been assigned as a host for an event.

**Admin** is a superuser appointed by application owners.

## Use cases

### User use cases

*Signing up for an event:*

anyone can sign up for an event signifying they are attending the event

*Cancelling event signup:*

Users can withdraw their signup from events they signed up for

*Commenting on events:*

Depending on event anyone or event attendees can post comments on the event page.

### Host use cases

*Creating an event:*

Anyone can create an event. Doing so they become the host of the event and can add other hosts and modify event information.

*Cancelling an event:*

Hosts can cancel an event they have created.

*Moderating event comments:*

Hosts can delete comments from their events.

### Admin use cases

*Managing accounts:*

Admins can modify and ban users from the app or disable their event creating privileges.

*Everything else:*

Admins are superusers and can do every possible action on the app.