VITeam

Events Requirements

The User class will be hardcoded in the application. An User has a user id, name, permission. The Post class will be hardcoded in the application. A Post has a post id, post creator name, image, description, date.

Organizer Entity Description:
1. An event organizer is an application user (has an id, name and rating between 0 and 5, permission: on).
2. An user that has been given permission to organize an event by the account management team, is an organizer. By default, an user has permission set to off and has to send a request to the account management team to become an organizer.

Organizer Requirements:
- The organizer can create or delete an event. The event details provided by the main organizer must pass the validation check. If they don't, an error message will appear to the organizer and the event is not created.
- The organizer can create/delete posts about the event/promoting the event.
- The organizer can send invitations to other users to the event.
- The organizer can receive ratings and reviews about an event.
- The organizer can modify the details of the event (provided the new details pass the validation check).
- The organizer can send notifications to the participants and interested users regarding latest updates.
- The organizer can decide if the event is free or not.
- The organizer is displayed on the main page of the event.
- The organizer can send notification to the participants when a post is created/posted.

- The organizer can add expenses(what he wants to spend the donated money for).

- The organizer can modify the expenses.

Sponsor Entity Details:

1. A sponsor is an application user (has an id, name, permission: off).

Sponsor Requirements:

- A sponsor can create/delete posts promoting the sponsored event.
- A sponsor can send invitations to other users to the event.
- All sponsors of the event are displayed on the main page of the event.

- A sponsor is able to give money to the organizer.

- A sponsor can donate money for organizing an event.

Participant Entity Details:

1. A participant is an application user (has an id, name, status: going, permission: off).
2. Any user can become a participant to an event by having its status changed to 'going'.
3. A participant can also change its status to 'not going'.

Participant Requirements:

- Can recommend an event by sharing it through a post.
- Can give a rating (from 1 to 5) to the event, only after the event is finished.
- In addition, he can write a review, which will be public/visible to all users of the application, to the events created by an organizer.

Interested User Entity Details:

1. An interested user is an application user (has an id, name, status: interested, permission: off).
2. Any user can become interested by having its status changed to 'interested'.
3. An interested user can also change its status to 'uninterested'.

Interested User Entity:

- An interested user can recommend an event by sharing it through a post.
- Can become a participant by having its status changed to 'going'.

Event Details Entity:

1. An event detail has an event identifier, name, description, location, date and time, entry fee, images, age limit, maximum number of participants.
2. Each detail has a data validation check (e.g.: the event date cannot be moved to a date from the past and cannot be modified less than 24 hours before the initial date, the location of the event cannot be modified with less than 24 hours before the start of the event, the age limit for an event, if it has one is either 18+ or 21+, the maximum number of participants must be greater than 0, the entry fee must be greater than or equal($\Leftrightarrow$ free entry) to 0,).

Event Detail Requirements:

- When location, date and time or entry fee are modified participants are notified (by the organizer).
- When the number of participants is close to the maximum defined by the organizer, the entry fee, if it exists, can change. In this case, interested users are notified (by the organizer) regarding the price change.

Event Rating Entity Details:

1. An event rating has a participant id, an event id, a score from 1 to 5 and a review given by the participants of the event, after the event has finished.

Event Rating Requirements:

- A notification with the option of giving a rating and writing a review for a finished event is sent only to the participants of that event after the event is finished.
- A mean of the scores of every rating is computed for each finished event.
- Ratings are public/visible for any user, for each event and organizer.

Event Entity Details:

1. An event has an organizer, multiple sponsors, event details, event ratings, category, participant users and interested users, as well as a list of related events, an active status and a number of reports.
2. Event category must be from the set {sport, conference, expo, concert, festival, performing art, academic, politics, workshop, fair, party, auction}.

Event Requirements:

- An event can be accessed by any user of the application, who can become interested or a participant.
- An event can be active, or inactive (when the event was deactivated because of reaching maximum number of reports).

Navigation Details:

1. Contains a list of event cards, one card for each event along with its details.
2. The user can search for events based on the event name.
3. The user can filter events based on location, date, category, price.
3. The user can sort events descending based on popularity of the event (number of participant) users and rating of the organizers, as well as sorting descending by date or price.

Buy Ticket Details:

1. For each event that has an entry fee, the organizer can provide the user with the option of buying a ticket from the event's main page.
2. If the event has a maximum number of participants, that number will be the number of tickets that can be sold for that event.
3. The price of the ticket (entry fee) is set by the organizer.

Buy Ticket Requirements:

- Once a user completes the purchase of a ticket, its status is automatically changed to 'going' (becomes a participant) and the number of participants goes up by 1.

Report Entity Details:

1. A report has an id, user id, event id, category.

Report Requirements:

- Any user of the application can report an event selecting a category from the set {harassment, nudity, spam, violence, IP, fraud, offensive, guidelines violations}.
- An organizer can only report events organized by somebody else, not his own events.

Deactivation Threshold and Notification:

- An event that has over 200 reports on any category, is automatically deactivated and no longer visible to the users of the application.
- The organizer receives a notification explaining the reason for deactivation and instructions on how to request a reexamination from the account management team if they believe the deactivation was unwarranted.

Reexamination Process:

- An organizer that has had an event deactivated because of numerous reports, has the option of requesting a reexamination of the situation. If cleared of any wrongdoings, the event is reactivated by the account management team and made public again to all users.
- The reexamination process involves a review by the account management team, who assess the validity of the reports and determine whether the event should be reactivated.
- If the event is cleared of any wrongdoing, it is reactivated by the account management team and made visible to all users again.