IT events meetups management system

1. Domain object description

4.1 All **Users** should have following common attributes:

package UserManagment

- id (generated automatically) long number;
- first_name string 2 to 70 characters long;
- last_name string 2 to 70 characters long;
- email should be valid email address, unique within the system, cannot be changed;
- bio string 2 to 255 characters long;
- is_active bool default True

4.2 Each **Role** has the following structure: .

package UserManagment

- id (generated automatically) long number;
- name string 2 to 100 characters long;

- description string 2 to 255 characters long;
- role_type enumeration including "Admin", "Host"," Guest"
- 4.3 Each **UserRole** has the following structure:

package UserManagment

- has_a (relationship) user_id long number;
- has_a (relationship) role_id long number;
- 4.4 Each **Group** has the following structure:

package GroupManagment

- id (generated automatically) long number;
- name string 2 to 100 characters long;
- description string 2 to 255 characters long;
- 4.5 Each **GroupUser** has the following structure:

package GroupManagment

- has_a (relationship) group_id long number;
- has_a (relationship) user_id long number;
- 4.6 Each **Event** has the following structure:

package EventManagment

- id (generated automatically) long number;
- name name string 2 to 70 characters long;
- description string 2 to 255 characters long;
- creation_date date
- creation_user_id long number
- registration end date registration end date of the event
- start datetime start date of the event
- end datetime end date of the event
- place string 2 to 255 characters long or url format;
- is public bool
- capacity int
- price float value
- status_id binded with event status

4.7 Each **AllowedEventGroup** has the following structure:

package GroupManagment

- has_a (relationship) event_id long number;
- has_a (relationship) group_id long number;

4.8 Each **EventInvitation** has the following structure:

package EventManagment

- has_a (relationship) event_id long number;
- has_a (relationship) user_id long number;
- sent_date invitation sent date
- has_a (relationship) invitation_response_id long number;
- text response string 2 to 255 characters long
- response_date invitation response date

4.9 Each **InvitationResponseType** has the following structure:

package EventManagment

- id long number
- name string 2 to 70 characters long
- response_type enumeration including "Accept", "Reject", ""Maybe"
- invitation_response_id
- text_response
- response_date

4.10 Each **EventTicket** has the following structure:

package EventManagment

- id long number
- has_a (relationship) event_id long number;
- has a (relationship) owner id long number;
- is_paid bool default False
- paid date timestamp

4.11 Each **EventStatus** has the following structure:

package EventManagment

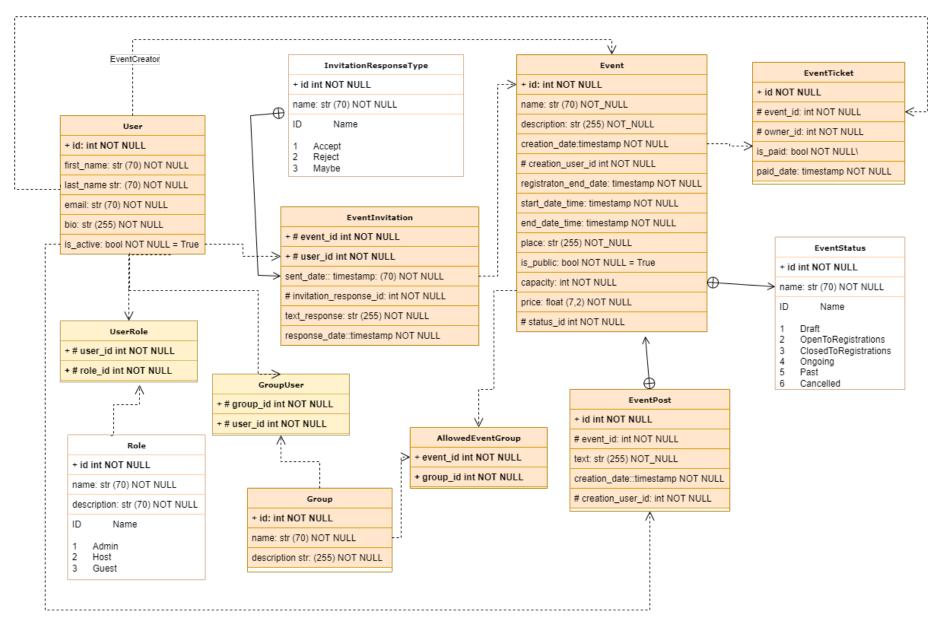
- id long number
- name string 2 to 70 characters long
- event_status enumeration including "Draft", "Open to registration", "ClosedToRegistration", "Ongoing", "Past", "Cancelled"

4.12 Each **EventPost** has the following structure:

package EventManagment

- id- long number
- has_a (relationship) event_id long number;
- text- string 2 to 70 characters long
- creation_date date of the event post creation
- has_a (relationship) creation_user_id long number user id of the organizer

2. UML diagram of relationships



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