# Terminology

Visitor: a person who opened web site and review the contents of it as guest. We have no information about this individual person.

User: a person who logged in to an account. We have name, email and other information he or she provided in register process.

Owner: the user who created the event

# Key Words

Events

Users

News

Photos

Tags

# Domain Models

Events

1. Id
2. Title
3. Latitude
4. Longitude
5. HoldingDate
6. Duration
7. Description
8. Capacity
9. Joined: number users joined to event so far
10. VisiteCount
11. Rate
12. Votes: number of users who voted to this event
13. Visibility: only events with true visibility will be displayed
14. Verified: only events with true verification will be displayed **or** if global verification setting sets to false, then this condition doesn’t apply
15. Payed: only events with true payment will be displayed **or** if global payment setting sets to false, then this condition doesn’t apply
16. Link: an arbitrary URL provided by owner which navigates user to any external page

Photos:

1. Id
2. EventId
3. Filename
4. Description
5. Visibility

Photos stored in a folder which its name is the ID of that event. Thumbnails store in another folder called **thumbs** which is located in the event folder

Tags:

1. Id
2. Title
3. Picture

EventTags:

1. EventId
2. TagId

News:

1. Id
2. Title
3. Context
4. Picture
5. SubmitDate

Payments:

1. Id
2. UserId
3. EventId
4. Amount
5. Data

Activities:

1. UserId
2. EventId
3. Joined: a true or false value which indicates this user joined this event
4. Follow: a true or false value which indicates this user followed this event
5. Favorite: a true or false value which indicates this user added this event to his/her favorite list

This table shows user activities for each event. User can join or follow an event or add it to his/her favorites list.

In order to obtain user joined events, we should select user activities where joined is true, also for favorites and follows like this.

And if we want a list of users who joined to an event, we should select event activities where joined is true to obtain user ids, also for favorites and follows like this.

# Functionalities

The following tasks only are available for authenticated users:

1. Register new event
2. Edit event
3. Delete event
4. Upload new photo
5. Delete a photo
6. Get events: a method for search in events by following parameters
   * Latitude
   * Longitude
   * From: a date and time for determining start point
   * To: a date and time for determining end point
   * Tags: a list of tag ids to search events based on specified tags
   * OwnerId: get events of a specific user
   * Str: a string to search in title of events
7. Get an event: get all data associated with an event by event id
8. Post a news for an event by owner
   * Alert users who followed the event by sending Email