# 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: pictures will be saved with tag id as file name and jpg format, so the url of the picture will be ”/assets/tags/{{tag.id}}.jpg”

EventTags:

1. EventId
2. TagId

News:

1. Id
2. Title
3. Context
4. Picture: pictures will be saved with news id as file name and jpg format, so the url of the picture will be ”/assets/news/{{news.id}}.jpg”
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. View previous events (events registered by user)
3. Edit event
4. Delete event
5. Upload new photo
6. Delete a photo
7. View 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
8. Get an event: get all data associated with an event by event id
9. Post a news for an event by owner
   * Alert users who followed the event by sending Email
10. Login
11. Register
12. Change Password
13. Update name and email
14. Upload new photo
15. View favorite events and remove it from favorites list
16. View joined events and remove it from joined list
17. View followed events and remove it from followed list

# Views

Home page