Tribute API

Tribute is a social network built with the purpose of developing the community around volunteering and bring together volunteers and organizers of events.

It allows:

- Volunteers to create their profile and interact with the platform through posts, following other users and searching for events;
- Organizations to develop an identity and publicize volunteering events to all platform users.

Tribute API constitutes the backend of this project and allows client applications (such as *tribute-mobile* and *tribute-web*) to communicate between themselves.

General API Conceptions

This API was developed using Node and tools from NPM - node package manager, such as Express, Passport and MongoDB - JS Driver.

It also uses a non relational document database - MongoDB and assumes that the machine running the this project has installed and is running MongoDB.

It communicates both using HTTP (if instantiated locally) or HTTPS (if instantiated using a remote machine - configured for this purpose).

This API supports both register and login operations by using Passport.js and by consequence of it, authentication is based on http cookies. Taking this into consideration, in order for API clients to support authentication, they need to implement these mechanisms.

All endpoints start with the preamble `/api` and all endpoints that start with `/auth` require previous authentication by the API client.

API Responses and Errors

This API follows the HTTP 1.1 Protocol which means that on reception of a response from the server, there are 3 main attributes that need to be taken into consideration:

- Status Code: 2xx - successful, 3xx - redirection, 4xx - client error, 5xx - server error / unexpected error;
- Headers: these may be used to supply the client information on how to handle the response;
- Body; most responses sent by the server come in the `application/json` format (being the exception the endpoint used to retrieve images), being that in these cases, the format is always the following:

```
{
    "status": "success/error",
    "body": {}
}
```

If a request is successful, the response body's status resolves with *success* in the field *body* is returned the actual response body. If unsuccessful, the value of *status* is *error* and in the field body is returned an object with the property *message*, which describes the error occurred.

Endpoints

The following pages reference the existing endpoints in this API, being that these are divided by 6 categories:

- Authentication, which contains information on how to register and login in the api;
- Volunteers, which lists the operations executable over the Volunteers;
- Organizations, which contains information on how to search for organizations and interact with them;
- Posts, which contains information on how to retrieve posts and interact with them;
- Events, which exposes how to search the API for events and add new ones;
- Images, which references how to retrieve and add new images to the platform.