**Geolocate API specifications**

All the resources for the REST API return JSON values.

URL schemes :

[/geolocate/locations](http://host/geolocate/locations)

GET Method : parameter ‘start’ (if missing is default to 0) indicates the starting location number

returns a JSON object that contains

* A field named ‘size’, representing the total number of locations in the database
* An array ‘content’ with the URL of the first 50 entries that comes after 'start' in the database. 'content' can be empty.

/geolocate/location/{latitude}/{longitude}[/{altitude}]

GET Method:

Returns the location or all the locations corresponding to the selected latitude/longitude and altitude if specified

POST Method: parameter ‘name’, ‘description’, ‘addressURL’, ‘taglist’ (a comma separated list of words)

Creates a new location. If successful, the result is equivalent to the result of the GET method. On creation error returns a 400 or 405 error

/geolocate/location/{uuid}

GET Method:

Returns a JSON object representing the location corresponding to the selected uuid. A location object has the following fields: 'name', 'description', 'latitude', 'longitude', 'created\_on', 'uuid' and 'address' which is the URL of an 'address' object. It also contains a field 'tags' which is a JSON array of strings.

If the location has no 'address', the field 'address' will be omitted in the JSON structure.

Otherwise returns Error 404 NOT FOUND it also

/geolocate/addresses

GET method the list of available addresses: it has the same behavior as the locations method except that it returns addresses.

/geolocate/address/{uuid}

GET method returns an object containing a field address, an object representing the address associated with the uuid and a field locations containing an array of the location URL corresponding to the address

Otherwise returns Error 404 NOT FOUND it also

/geolocate/address/

POST with parameters ‘street’ ‘zipcode’ ‘city’ ‘state’ ‘country’

On success returns the URL of the created resource as a String

/geolocate/tags

GET method returns the list of available tags. It has the same behavior as the locations method. You can add a parameter prefix which permits to limit the tags list to the tags beginning with the string prefix.

/geolocate/tag/{name}

Returns an array of urls associated with the tag GET method has the same behavior as the locations method.

/geolocate/area/{latitude}/{longitude}/x/{latitude}/{longitude}[/filter/{taglist}]

GET method has the same behavior as the locations method.

Returns an array of locations url contained within the area, can be filtered by taglist (a list of semicolon separated tags).