Project Connect API

Sample API Call:

getSchools($params[ ]) // return list of schools in GEOJSON (<—click for more information) format that satisfy those params
addSchools($params[ ]) // insert school to UNICEF database

$Params

$params are in key value pairs i.e**.** school_name => ‘school1’
$params include: ‘country_code’, ‘county’, ‘state’, ‘country region’,’electricity’, ‘type_of_connection’, ‘type_school’, ‘max_entries’ (LIMIT to max_entries) …etc

What to return:

getSchools($params[ ]):
The output should be a GEOJSON object of type **Point** with the appropriate coordinates.
The GEOJSON object should have all parameters (img 1) as a **property** in the the GEOJSON properties entry.

Sample Return :
getSchools([‘country_code’,’type_school’,’max_entries’],[‘BR’,’private’,2])

```
{ "type": "FeatureCollection",
  "features": [
     {
     "type": "Feature",
     "geometry": {
       "type": "Point",
       "coordinates": [
         -77.12911152370515,
         38.79930767201779
       ]
     },
     "properties": {
       "name": "School_Name_1",
       "country_code": "BR",
        “type_school”: “private”,
                    .
                    .
                    .
       “prop_n”: “prop_n
     }
     },
        {
     "type": "Feature",
     "geometry": {
       "type": "Point",
       "coordinates": [
         -87.12911152370515,
         38.79930767201779
       ]
     },
     "properties": {
       "name": "School_Name_2",
       "country_code": "BR",
        “type_school”: “private”,
                    .
                    .
                    .
       “prop_n”: “prop_n”
     }
     }
  ]
}
```

Sample Query to Database

This:
getSchools([‘country_code’=>’BR’, ’type_school’=>”private’ ,’max_entries’=>2]);

Translates to:

```
<?php
$query = "SELECT * FROM schools WHERE country_code= $params['country_code'] "
." AND type_school=$params['type_school'] LIMIT $params['max_entries'] ";
$result = pg_query($dbconn,$query) or die('Query failed: ' . pg_last_error());
$geo=formatToGEOJSON($result); // function that makes GEOJSON object
return $geo;
?>
```

This:
addSchool($params[ ]);

Translates to:

```
<?php
$query = "INSERT INTO schools ( address, admin0, admin1, created_at, updated_at)"
. "VALUES ('$params['address']', ‘$params[‘admin0’]’,’$params[‘admin1’]’ ,"
." ‘$params[‘created_at’]’, ‘$params[‘updated_at’]’ )";
$result=pg_query($dbconn,$query) or die('Query failed: '. pg_last_error());
?>
```

IMAGES

img1:

Required Field	School Info Field	*type or example*	
Opt	**country_code**	*ISO Alpha-2 Code (US, ES,…)*	
Opt	**admin0**	*country code*	
Opt	**admin1**	*State/Dept*	
Opt	**admin2**	*County/Province*	
Opt	**admin3**	*District/*	
Opt	**admin4**	*Location*	
Opt	**admin_code**	*local code (xx-yy-zz)*	
Req	**name**	*string: Amazonas*	
Opt	**address**		
Opt	**phone_number**		
Opt	**email**		
Opt	**postal_code**		
Req	**lon**	*longitude*	
Req	**lat**	*latitude*	
opt	**altitude**	number [m]	
opt	**gps_confidence**	*number [%]*	
Opt	**admin_id****	*string: BR_Amazonas_01.*	
Opt	**date**	date when it was created	
Opt	**num_students**	#of students	
Opt	**num_teachers**	# of teachers	
Opt	**connectivity**	boolean	
Opt	**type_conectivity**	type (2G, 3G, 4G, broadband)	
Opt	**speed_connectivity**	number [kbps]	
Opt	**latency_connectivi**	number [ms]	
Opt	**availability_connec**	number [%]	
Opt	**num_computers**	#of computers/tablets	
Opt	**type_school**	type of school(private, goverment,religious???	
Opt	**educ_level**	primary, secondary,…	
Opt	**environment**	Urban, rural	
Opt	**num_classrooms**	# of classrooms	
Opt	**num_sections**	# of sections	
Opt	**water**	boolean	
Opt	**electricity**	boolean	
Opt	**num_latrines**	# of latrines	
Opt	**datasource_id**	*string*	
Opt	**description**	*String*	
Opt	**frequency_update**	*weekly:daily...*	
Opt	tower_dist	number [km]	
Opt	tower_type_service	*String*	
Opt	tower_type	*String*	
Opt	tower_code	*String*	
Opt	tower_latitude		
Opt	tower_longitude		
	admin code**	admin code can be ISO code or any other national code that is used to refer to this admin. It is not a UNICEF unique ID	
	admin_id**	string that identifies uniquely the geographic admin , and easy to spotcheck: CountryCode_GADM Version _ Index (admin0) _ Index (admin1) _Index (admin2) _ downcase of admin	