

Work 3.2 - API

ID	Method name	HTTP Method	Parameters	Returns	Explanation
1	Register	POST	{ firstname : string, lastname : string, city : string, country : string, email : string, username : string, password : string, categories : array(string), QAs : array(array(string, int))}	If valid: <ul style="list-style-type: none"> • True (Boolean) If not valid: <ul style="list-style-type: none"> • Array of Explanation of each input error 	<ul style="list-style-type: none"> • POST because we are transferring secure data like username and password. • QAs is an array of arrays of question_id and answer.
2	Login	POST	{ Username : string, Password : string }	If valid: <ul style="list-style-type: none"> • Token : string Else: <ul style="list-style-type: none"> • "user or password does not exists" 	<ul style="list-style-type: none"> • POST because we are transferring secure data like username and password.
3	RestorePassword	POST	{ username : string, question_id : int, answer : string }	If valid: <ul style="list-style-type: none"> • Password : string If not valid: <ul style="list-style-type: none"> • If user not exists-> "User does not exists" • If wrong answer-> "wrong anser" 	<ul style="list-style-type: none"> • POST because we are transferring both question and answer here, with username data, so we want it to be more secure.
4	getPOIDetail	GET	{pointName : string}	If valid: <ul style="list-style-type: none"> • The details of the POI Type: {name : string, watchers_count : int, description : string, rate : double, reviews : array({rate : double, review_content : string}), category_name : string, picture : string} If not valid: <ul style="list-style-type: none"> • If point does not exists-> "point does not exists" 	<ul style="list-style-type: none"> • "review" is an array that contains 2 reviews • "picture" is the a picture's url • Using GET because there is no information to deliver to the server

5	getAllPOI	GET		Array of all the POI's Type: array({ name : string, watchers_count : int, description : string, rate : double, category_name : string, picture : string})	<ul style="list-style-type: none"> Using GET because there is no secret information to deliver to the server.
6	getRandomPOI	GET	<ul style="list-style-type: none"> *nothing* (minimalRank default= 3.5) or minimalRank : int 	Array of random POI's Type: array({ name : string, watchers_count : int, description : string, rate : double, category_name : string, picture : string})	<ul style="list-style-type: none"> Using GET because there is no secret information to deliver to the server The array length is 3
7	getAllCategories	GET		Array of categories Type: array(string)	<ul style="list-style-type: none"> Using GET because there is no secret information to deliver to the server
8	saveAsFavorites	POST	{pointNames : array(string)}	True (Boolean)	<ul style="list-style-type: none"> POST because we want to create a new resource.
9	getFavoritePOI	GET		Array of all the users favorites POI's Type: array({ name : string, watchers_count : int, description : string, rate : double, category_name : string, picture : string})	<ul style="list-style-type: none"> Using GET because there is no secret information to deliver to the server.
10	RankPOI	POST	{poi_name : string, rate : int, review_content : string}	If valid: <ul style="list-style-type: none"> True (Boolean) If not valid: <ul style="list-style-type: none"> If point does not exists-> point does not exists If rate is not between 1-5 -> "rank need to be between 1-5" 	<ul style="list-style-type: none"> POST because we want to update exists POI. "rate" should be between 1-5

11	getMostPopularPOI	GET	<ul style="list-style-type: none"> *nothing* (number_of_categorues default=2, number_of_elements default =1) <p>Or</p> <ul style="list-style-type: none"> { number_of_categorues: int, number_of_elements : int} 	<p>Array of "number_of_categories" multiply "number_of_elements" random most Popular POI's</p> <p>Type: array({name : string, watchers_count : int, description : string, rate : double, category_name : string, picture : string})</p>	<ul style="list-style-type: none"> Using GET because there is no secret information to deliver to the server.
12	getLastSavePOI	GET		<p>Array of the user's last 2 saved POI's</p> <p>Type: array({name : string, watchers_count : int, description : string, rate : double, category_name : string, picture : string})</p>	<ul style="list-style-type: none"> Using GET because there is no secret information to deliver to the server.

Assumption: we assumed that once the server connects to the database there will not be any problems with the connection.

