**Question about api**

by [Jingjiao Ni](https://eclass.srv.ualberta.ca/user/view.php?id=187851&course=31986) - Wednesday, 16 November 2016, 9:02 PM

1.

# Here GREG tries to get a post from LARA that's marked as FOAF visibility

# the server will query greg's server to ensure that he is friends with 7de and 11c

# then it will get the users from its own server and see if they are friends of Lara

# Then it will go to at least 1 of these friend's servers and verify that they are friends of Greg

# once it is verified via the 3 hosts that Greg is a friend, then greg will get the data for lara's post

{

"query":"getpost",

"id":"9de17f29c12e8f97bcbbd34cc908f1baba40658e",

 "author":{

     # UUID

"id":"de305d54-75b4-431b-adb2-eb6b9e546013",

"host":"http://127.0.0.1:5454/",

"displayName":"Greg Johnson",

# url to the authors information

"url":"http://127.0.0.1:5454/author/9de17f29c12e8f97bcbbd34cc908f1baba40658e",

# HATEOS

"github": "http://github.com/gjohnson"

 },

 "friends":[

"7deee0684811f22b384ccb5991b2ca7e78abacde",

"11c3783f15f7ade03430303573098f0d4d20797b",

]

}

Since I didn't find the url of this api, does it mean it is just an example to show the process of getting FOAF post and we don't need to implement the api interface?

Or we need to implement it, then what is the url?

2.

# to make a friend request, POST to http://service/friendrequest

{

"query":"friendrequest",

"author": {

   # UUID

"id":"de305d54-75b4-431b-adb2-eb6b9e546013",

"host":"http://127.0.0.1:5454/",

"displayName":"Greg Johnson"

},

"friend": {

   # UUID

"id":"de305d54-75b4-431b-adb2-eb6b9e637281",

"host":"http://127.0.0.1:5454/",

"displayName":"Lara Croft",

"url":"http://127.0.0.1:5454/author/9de17f29c12e8f97bcbbd34cc908f1baba40658e"

}

}

# to unfriend simply do it locally

For the "author" and "friend" here, who is the person send the friend request ?

"author" asked to befriend with "friend" **OR** "friend" asked to befriend with "author"?

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**Re: Question about api**

by [Abram Hindle](https://eclass.srv.ualberta.ca/user/view.php?id=1001&course=31986) - Wednesday, 16 November 2016, 9:59 PM

1. I think you can ignore that FOAF interface -- unless someone can correct me? I don't know if it is necessary.

If a post is rated FOAF then you need to determine if there is a path of 1 hop from your user to the author of the FOAF post.

If C makes a post, A wants to read it.

A's node should verify that A has a friend who is C's friend.

So A's node will ask C's node if any of A's friends (it will provide a list) are C's friends.

This will look the same for all cases.

A's node -> C's node: are A & C friends?

C's node -> A's node: No.

A's node -> C's node: Here are A's friends, are any of these C's friends?

C's node -> A's node: Yes B from Node X is C's friend.

B's node doesn't matter. You don't need to talk to B's node as long as you have B's name.

2. AUthor is the local person, friend is the remote person

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**Re: Question about api**

by [Abram Hindle](https://eclass.srv.ualberta.ca/user/view.php?id=1001&course=31986) - Thursday, 17 November 2016, 2:05 PM

Look at the new spec .json file. I've clarified a FOAF request. Does it make sense?

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[Picture of Jingjiao Ni](https://eclass.srv.ualberta.ca/user/view.php?id=187851&course=31986)

**Re: Question about api**

by [Jingjiao Ni](https://eclass.srv.ualberta.ca/user/view.php?id=187851&course=31986) - Saturday, 19 November 2016, 1:07 PM

1. It make sense. But as I asked you this Friday after class about the auth and visibility check, should this be: Greg want to get a post form Lara, so Greg's server get the post from Lara's server, then Gerg's server get the post and finds that the post's visibility is FOAF, then Gerg's server use this procedure to check if Greg is able to see this post, if yes it will show to Greg, if no it will not show to Greg. If in this case, then we don't need this API(since Lara's server just give out the post without check for visibility, it just check the node to node auth), is my understanding correct?

2. Also, base on the Friday's talk,

http://service/author/{AUTHOR\_ID}/posts (all posts made by {AUTHOR\_ID} visible to the currently authenticated user)

Should this api return all the posts with permission PUBIC,FRIENDS,FOAF(PRIVATE and SERVERONLY is obviously can't been seen so no need to return), then the server received these posts will decide whether to show to the user if the visibility is FRIENDS or FOAF, is my understanding correct?

3. implement a restful API for http://service/posts/postid

* a PUT should insert/update a post
* a POST should insert the post

For these two requirements, does it mean we should allow authors from other server to make post on my server? And can we have example templates for them in the .json files?

Thank you!

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**Re: Question about api**

by [Abram Hindle](https://eclass.srv.ualberta.ca/user/view.php?id=1001&course=31986) - Sunday, 20 November 2016, 2:55 PM

1. You can give out information between nodes without checking visibility -- except server-only.

2. The client's node is supposed to censor the posts that the client sees.

3. Only authors on your server can create posts on your server.

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