|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Method | Route | description | input | output |
|  | #User |  |  |  |
| POST | /user/addUser | add user | {  "userName":"zixiw",  "password":"123456",  "firstName":"Zixi",  "lastName":"Wei",  "middleInitial":"No",  "affiliation":"NASA",  "title":"student",  "email":"123@gmail.com",  "mailingAddress":"Happy Road",  "phoneNumber":"567-462-7568",  "faxNumber":"112233445566",  "researchFields":"architecture",  "highestDegree":"master" } | {"userId":1,"userName":"zixiw","password":"123456","firstName":"Zixi","lastName":"Wei","middleInitial":"No","affiliation":"NASA","title":"student","email":"123@gmail.com","mailingAddress":"Happy Road","phoneNumber":"567-462-7568","faxNumber":"112233445566","researchFields":"architecture","highestDegree":"master","workflows":[],"posts":[],"adminGroups":[],"memberGroups":[],"friends":[],"subscribeUsers":[],"subscribeGroups":[],"subscribeWorkflows":[]} |
| POST | /user/login | login | {  "email":"123@gmail.com",  "password":"123456" } | Login success |
| POST | /user/addContributorToWorkflow | add contributor to workflow | {  "userId":"1",  "workflowId":"1" } | {"workflowId":1,"name":"workflow1","description":"This is the first workflow","previewImage":"http://www.webmproject.org/code/contribute/workflow/","usageCount":0,"viewCount":0,"downloadCount":0,"referenceCount":0,"questionableCount":0,"tasks":[],"inputs":[],"outputs":[],"contributors":[{"userId":1,"userName":"zixiw","password":"123456","firstName":"Zixi","lastName":"Wei","middleInitial":"No","affiliation":"NASA","title":"student","email":"123@gmail.com","mailingAddress":"Happy Road","phoneNumber":"567-462-7568","faxNumber":"112233445566","researchFields":"architecture","highestDegree":"master"}],"tags":[],"links":[],"instructions":[],"datasets":[],"attributeWorkflows":[],"subscribedUsers":[]} |
| POST | /user/addUserToGroupAsAdmin | add user to group as admin | {  "userId":"1",  "groupId":"1" }  {  "userId":"2",  "groupId":"1" } | {"userId":1,"userName":"zixiw","password":"123456","firstName":"Zixi","lastName":"Wei","middleInitial":"No","affiliation":"NASA","title":"student","email":"123@gmail.com","mailingAddress":"Happy Road","phoneNumber":"567-462-7568","faxNumber":"112233445566","researchFields":"architecture","highestDegree":"master","workflows":[],"posts":[],"adminGroups":[{"groupId":1,"creatorId":1,"name":"group1","isPublic":true}],"memberGroups":[],"friends":[],"subscribeUsers":[],"subscribeGroups":[],"subscribeWorkflows":[]} |
| POST | /user/addUserToGroupAsMember | add user to group as member | {  "userId":"3",  "groupId":"1" } | {"userId":1,"userName":"zixiw","password":"123456","firstName":"Zixi","lastName":"Wei","middleInitial":"No","affiliation":"NASA","title":"student","email":"123@gmail.com","mailingAddress":"Happy Road","phoneNumber":"567-462-7568","faxNumber":"112233445566","researchFields":"architecture","highestDegree":"master","workflows":[],"posts":[],"adminGroups":[{"groupId":1,"creatorId":1,"name":"group1","isPublic":true}],"memberGroups":[{"groupId":2,"creatorId":2,"name":"group2","isPublic":true}],"friends":[],"subscribeUsers":[],"subscribeGroups":[],"subscribeWorkflows":[]} |
| POST | /user/addFriendToUser | add friend to user | {  "friendId":"2",  "userId":"1" }  {  "friendId":"3",  "userId":"1" } | {"userId":1,"userName":"zixiw","password":"123456","firstName":"Zixi","lastName":"Wei","middleInitial":"No","affiliation":"NASA","title":"student","email":"123@gmail.com","mailingAddress":"Happy Road","phoneNumber":"567-462-7568","faxNumber":"112233445566","researchFields":"architecture","highestDegree":"master","workflows":[],"posts":[],"adminGroups":[],"memberGroups":[],"friends":[{"userId":3,"userName":"zhengl","password":"66887755","firstName":"Zheng","lastName":"Lei","middleInitial":"Haha","affiliation":"CS","title":"professor","email":"thisisme@hotmail.com","mailingAddress":"Green Field","phoneNumber":"658-974-905","faxNumber":"5385828592539","researchFields":"Computer Science","highestDegree":"phD"},{"userId":2,"userName":"seny","password":"abcdefg","firstName":"Sen","lastName":"Yue","middleInitial":"La","affiliation":"Bank","title":"master","email":"abc@outlook.com","mailingAddress":"Red Wood","phoneNumber":"775-967-035","faxNumber":"65738537582","researchFields":"banker","highestDegree":"master"}],"subscribeUsers":[],"subscribeGroups":[],"subscribeWorkflows":[]} |
| POST | /user/addSubscribeUserToUser | add subscribe user to user | {  "subscribeUserId":"2",  "userId":"1" } | {"userId":1,"userName":"zixiw","password":"123456","firstName":"Zixi","lastName":"Wei","middleInitial":"No","affiliation":"NASA","title":"student","email":"123@gmail.com","mailingAddress":"Happy Road","phoneNumber":"567-462-7568","faxNumber":"112233445566","researchFields":"architecture","highestDegree":"master","workflows":[],"posts":[],"adminGroups":[],"memberGroups":[],"friends":[],"subscribeUsers":[{"userId":2,"userName":"seny","password":"abcdefg","firstName":"Sen","lastName":"Yue","middleInitial":"La","affiliation":"Bank","title":"master","email":"abc@outlook.com","mailingAddress":"Red Wood","phoneNumber":"775-967-035","faxNumber":"65738537582","researchFields":"banker","highestDegree":"master"}],"subscribeGroups":[],"subscribeWorkflows":[]} |
| POST | /user/addSubscribeGroupToUser | add subscribe group to user | {  "groupId":"1",  "userId":"1" } | {"userId":1,"userName":"zixiw","password":"123456","firstName":"Zixi","lastName":"Wei","middleInitial":"No","affiliation":"NASA","title":"student","email":"123@gmail.com","mailingAddress":"Happy Road","phoneNumber":"567-462-7568","faxNumber":"112233445566","researchFields":"architecture","highestDegree":"master","workflows":[],"posts":[],"adminGroups":[],"memberGroups":[],"friends":[],"subscribeUsers":[],"subscribeGroups":[{"groupId":1,"creatorId":1,"name":"group1","isPublic":true}],"subscribeWorkflows":[]} |
| POST | /user/addSubscribeWorkflowToUser | add subscribe workflow to user | {  "workflowId":"1",  "userId":"1" } | {"userId":1,"userName":"zixiw","password":"123456","firstName":"Zixi","lastName":"Wei","middleInitial":"No","affiliation":"NASA","title":"student","email":"123@gmail.com","mailingAddress":"Happy Road","phoneNumber":"567-462-7568","faxNumber":"112233445566","researchFields":"architecture","highestDegree":"master","workflows":[],"posts":[],"adminGroups":[],"memberGroups":[],"friends":[],"subscribeUsers":[],"subscribeGroups":[],"subscribeWorkflows":[{"workflowId":1,"name":"workflow1","description":"This is the first workflow","previewImage":"http://www.webmproject.org/code/contribute/workflow/","usageCount":0,"viewCount":0,"downloadCount":0,"referenceCount":0,"questionableCount":0}]} |
| POST | /user/deleteUser | delete user | {  "userId":"1" } | Delete user success: 1 |
| POST | /user/deleteUserByUserNameAndPassword | delete user by user name and password | {  "userName":"zixiw",  "password":"123456" } | Delete user success: 2 |
| POST | /user/deleteContributorFromWorkflow | delete contributor or from workflow | {  "userId":"1",  "workflowId":"1" } | Delete contributor from Workflow success: 1 |
| POST | /user/deleteUserFromGroup | delete user from group | {  "userId":"1",  "groupId":"2" } | Delete user from group success, user id: 1 group id: 2 |
| POST | /user/deleteFriendFromUser | delete friend from user | {  "friendId":"1",  "userId":"2" } | Delete friend from user success, friend id: 1 user id: 2 |
| POST | /user/deleteSubscribeUserFromUser | delete subscribe user from user | {  "subscribeUserId":"2",  "userId":"1" } | Delete subscribe user from user success, subscribe user id: 2 user id: 1 |
| POST | /user/deleteSubscribeGroupFromUser | delete subscribe group from user | {  "groupId":"1",  "userId":"1" } | Delete subscribe group from user success, user id: 1 group id: 1 |
| POST | /user/deleteSubscribeWorkflowFromUser | delete subscribe workflow from user | {  "workflowId":"1",  "userId":"1" } | Delete subscribe workflow from user success, user id: 1 workflow id: 1 |
| POST | /user/updateUser | update user | {  "userId":"1",  "userName":"zixiw",  "password":"123456",  "firstName":"new Zixi",  "lastName":"new Wei",  "middleInitial":"No",  "affiliation":"NASA",  "title":"student",  "email":"123@gmail.com",  "mailingAddress":"Happy Road",  "phoneNumber":"567-462-7568",  "faxNumber":"112233445566",  "researchFields":"architecture",  "highestDegree":"master" } | {"userId":3,"userName":"zhengl","password":"66887755","firstName":"new Zheng","lastName":"new Lei","middleInitial":"Haha","affiliation":"CS","title":"professor","email":"thisisme@hotmail.com","mailingAddress":"Green Field","phoneNumber":"658-974-905","faxNumber":"5385828592539","researchFields":"Computer Science","highestDegree":"phD","workflows":[],"posts":[],"adminGroups":[],"memberGroups":[],"friends":[],"subscribeUsers":[],"subscribeGroups":[],"subscribeWorkflows":[]} |
| POST | /user/getUser | get user | {  "userId":"1" } | {"userId":1,"userName":"zixiw","password":"123456","firstName":"Zixi","lastName":"Wei","middleInitial":"No","affiliation":"NASA","title":"student","email":"123@gmail.com","mailingAddress":"Happy Road","phoneNumber":"567-462-7568","faxNumber":"112233445566","researchFields":"architecture","highestDegree":"master","workflows":[],"posts":[],"adminGroups":[],"memberGroups":[],"friends":[],"subscribeUsers":[],"subscribeGroups":[],"subscribeWorkflows":[]} |
| POST | /user/getUserIdByUserName | get user id by user name | {  "userName":"zixiw" } | {"userId":1} |
| POST | /user/getUserIdByEmail | get user id by email | {  "email":"123@gmail.com" } |  |
| POST | /user/getAllUsers | get all users | {   } | {"allUsers":[{"userId":3,"userName":"zhengl","password":"66887755","firstName":"new Zheng","lastName":"new Lei","middleInitial":"Haha","affiliation":"CS","title":"professor","email":"thisisme@hotmail.com","mailingAddress":"Green Field","phoneNumber":"658-974-905","faxNumber":"5385828592539","researchFields":"Computer Science","highestDegree":"phD"},{"userId":4,"userName":"seny","password":"abcdefg","firstName":"Sen","lastName":"Yue","middleInitial":"La","affiliation":"Bank","title":"master","email":"abc@outlook.com","mailingAddress":"Red Wood","phoneNumber":"775-967-035","faxNumber":"65738537582","researchFields":"banker","highestDegree":"master"}]} |
| POST | /user/getSubscribersNumber | get subscribers number | {  "userId":"1" } | {"subscribersNumber":2} |
| POST | /user/getCollaboratorsNumber | get collaborators number | {  "userId":"1" } | {"collaboratorsNumber":3} |
|  | #Workflow |  |  |  |
| POST | /workflow/addWorkflow | add workflow | {  "name":"workflow1",  "description":"This is the first workflow",  "previewImage":"http://www.webmproject.org/code/contribute/workflow/" } | {"workflowId":1,"name":"workflow1","description":"This is the first workflow","previewImage":"http://www.webmproject.org/code/contribute/workflow/","usageCount":0,"viewCount":0,"downloadCount":0,"referenceCount":0,"questionableCount":0,"tasks":[],"inputs":[],"outputs":[],"contributors":[],"tags":[],"links":[],"instructions":[],"datasets":[],"attributeWorkflows":[],"subscribedUsers":[]} |
| POST | /workflow/addAttributeWorkflowToWorkflow | add attribute workflow to workflow | {  "attributeWorkflowId":"1",  "workflowId":"2" } | {"workflowId":2,"name":"workflow2","description":"This is the second workflow","previewImage":"http://www.houshanglivian.com/portfolio/workflows/navigation-workflow/","usageCount":0,"viewCount":0,"downloadCount":0,"referenceCount":0,"questionableCount":0,"tasks":[],"inputs":[],"outputs":[],"contributors":[],"tags":[],"links":[],"instructions":[],"datasets":[],"attributeWorkflows":[{"workflowId":1,"name":"workflow1","description":"This is the first workflow","previewImage":"http://www.webmproject.org/code/contribute/workflow/","usageCount":0,"viewCount":0,"downloadCount":0,"referenceCount":0,"questionableCount":0}],"subscribedUsers":[]} |
| POST | /workflow/addTagToWorkflow | add tag to workflow | {  "tagId":"1",  "workflowId":"1" } | {"workflowId":1,"name":"workflow1","description":"This is the first workflow","previewImage":"http://www.webmproject.org/code/contribute/workflow/","usageCount":0,"viewCount":0,"downloadCount":0,"referenceCount":0,"questionableCount":0,"tasks":[],"inputs":[],"outputs":[],"contributors":[],"tags":[{"tagId":1,"name":"Birthday"}],"links":[],"instructions":[],"datasets":[],"attributeWorkflows":[],"subscribedUsers":[]} |
| POST | /workflow/deleteWorkflow | delete workflow | {  "workflowId":"1" } | Delete workflow success: 1 |
| POST | /workflow/deleteWorkflowByName | delete workflow by name | {  "name":"workflow1" } | Delete workflow success: 2 |
| POST | /workflow/deleteAttributeWorkflowFromWorkflow | delete attribute workflow from workflow | {  "attributeWorkflowId":"1",  "workflowId":"2" } | Delete attribute workflow to Workflow success, attribute workflow id 1 workflow id: 2 |
| POST | /workflow/deleteTagFromWorkflow | delete tag from workflow | {  "tagId":"1",  "workflowId":"1" } | Delete tag from workflow success, workflow id: 1 tag id: 1 |
| POST | /workflow/updateWorkflow | update workflow | {  "workflowId":"1",  "name":"workflow1",  "description":"This is the new first workflow",  "previewImage":"http://www.webmproject.org/code/contribute/workflow/",  "usageCount":"1",  "viewCount":"2",  "downloadCount":"3",  "referenceCount":"4",  "questionableCount":"5" } | {"workflowId":3,"name":"workflow3","description":"This is the new third workflow","previewImage":"http://www.nbpp.nl/workflow.html","usageCount":6,"viewCount":5,"downloadCount":4,"referenceCount":3,"questionableCount":2,"tasks":[],"inputs":[],"outputs":[],"contributors":[],"tags":[],"links":[],"instructions":[],"datasets":[],"attributeWorkflows":[],"subscribedUsers":[]} |
| POST | /workflow/getWorkflow | get workflow | {  "workflowId":"1" } | {"workflowId":3,"name":"workflow3","description":"This is the new third workflow","previewImage":"http://www.nbpp.nl/workflow.html","usageCount":6,"viewCount":5,"downloadCount":4,"referenceCount":3,"questionableCount":2,"tasks":[],"inputs":[],"outputs":[],"contributors":[],"tags":[],"links":[],"instructions":[],"datasets":[],"attributeWorkflows":[],"subscribedUsers":[]} |
| POST | /workflow/getWorkflowIdByName | get workflow id by name | {  "name":"workflow1" } | {"workflowId":3} |
| POST | /workflow/getAllWorkflows | get all workflows | {   } | {"allWorkflows":[{"workflowId":3,"name":"workflow3","description":"This is the new third workflow","previewImage":"http://www.nbpp.nl/workflow.html","usageCount":6,"viewCount":5,"downloadCount":4,"referenceCount":3,"questionableCount":2},{"workflowId":4,"name":"workflow1","description":"This is the first workflow","previewImage":"http://www.webmproject.org/code/contribute/workflow/","usageCount":0,"viewCount":0,"downloadCount":0,"referenceCount":0,"questionableCount":0}]} |
| POST | /workflow/getWorkflowPopularity | get workflow popularity | {  "workflowId":"1" } | {"popularity":10} |
|  | #Task |  |  |  |
| POST | /task/addTask | add task | {  "name":"task1",  "description":"This is the first task" } | {"taskId":1,"name":"task1","description":"This is the first task"} |
| POST | /task/addTaskToWorkflow | add task to workflow | {  "taskId":"1",  "workflowId":"1" } | {"workflowId":1,"name":"workflow1","description":"This is the first workflow","previewImage":"http://www.webmproject.org/code/contribute/workflow/","usageCount":0,"viewCount":0,"downloadCount":0,"referenceCount":0,"questionableCount":0,"tasks":[{"taskId":1,"name":"task1","description":"This is the first task"}],"inputs":[],"outputs":[],"contributors":[],"tags":[],"links":[],"instructions":[],"datasets":[],"attributeWorkflows":[],"subscribedUsers":[]} |
| POST | /task/deleteTask | delete task | {  "taskId":"1" } | Delete task success: 1 |
| POST | /task/updateTask | update task | {  "taskId":"1",  "name":"task1",  "description":"This is the new first task" } | {"taskId":2,"name":"task2","description":"This is the new second task"} |
| POST | /task/getTask | get task | {  "taskId":"1" } | {"taskId":2,"name":"task2","description":"This is the new second task"} |
|  | #Input |  |  |  |
| POST | /input/addInput | add input | {  "name":"input1",  "description":"This is the first input" } | {"inputId":1,"name":"input1","description":"This is the first input"} |
| POST | /input/addInputToWorkflow | add input to workflow | {  "inputId":"1",  "workflowId":"1" } | {"workflowId":1,"name":"workflow1","description":"This is the first workflow","previewImage":"http://www.webmproject.org/code/contribute/workflow/","usageCount":0,"viewCount":0,"downloadCount":0,"referenceCount":0,"questionableCount":0,"tasks":[],"inputs":[{"inputId":1,"name":"input1","description":"This is the first input"}],"outputs":[],"contributors":[],"tags":[],"links":[],"instructions":[],"datasets":[],"attributeWorkflows":[],"subscribedUsers":[]} |
| POST | /input/deleteInput | delete input | {  "inputId":"1" } | Delete input success: 1 |
| POST | /input/updateInput | update input | {  "inputId":"1",  "name":"input1",  "description":"This is the new first input" } | {"inputId":2,"name":"input2","description":"This is the new second input"} |
| POST | /input/getInput | get input | {  "inputId":"1" } | {"inputId":2,"name":"input2","description":"This is the new second input"} |
|  | #Output |  |  |  |
| POST | /output/addOutput | add output | {  "name":"output1",  "description":"This is the first output" } | {"outputId":1,"name":"output1","description":"This is the first output"} |
| POST | /output/addOutputToWorkflow | add output to workflow | {  "outputId":"1",  "workflowId":"1" } | {"workflowId":1,"name":"workflow1","description":"This is the first workflow","previewImage":"http://www.webmproject.org/code/contribute/workflow/","usageCount":0,"viewCount":0,"downloadCount":0,"referenceCount":0,"questionableCount":0,"tasks":[],"inputs":[],"outputs":[{"outputId":1,"name":"output1","description":"This is the first output"}],"contributors":[],"tags":[],"links":[],"instructions":[],"datasets":[],"attributeWorkflows":[],"subscribedUsers":[]} |
| POST | /output/deleteOutput | delete output | {  "outputId":"1" } | Delete output success: 1 |
| POST | /output/updateOutput | update output | {  "outputId":"1",  "name":"output1",  "description":"This is the new first output" } | {"outputId":2,"name":"output2","description":"This is the new second output"} |
| POST | /output/getOutput | get output | {  "outputId":"1" } | {"outputId":2,"name":"output2","description":"This is the new second output"} |
|  | #Instruction |  |  |  |
| POST | /instruction/addInstruction | add instruction | {  "name":"instruction1",  "description":"This is the first instruction" } | {"instructionId":1,"name":"instruction1","description":"This is the first instruction"} |
| POST | /instruction/addInstructionToWorkflow | add instruction to workflow | {  "instructionId":"1",  "workflowId":"1" } | {"workflowId":1,"name":"workflow1","description":"This is the first workflow","previewImage":"http://www.webmproject.org/code/contribute/workflow/","usageCount":0,"viewCount":0,"downloadCount":0,"referenceCount":0,"questionableCount":0,"tasks":[],"inputs":[],"outputs":[],"contributors":[],"tags":[],"links":[],"instructions":[{"instructionId":1,"name":"instruction1","description":"This is the first instruction"}],"datasets":[],"attributeWorkflows":[],"subscribedUsers":[]} |
| POST | /instruction/deleteInstruction | delete instruction | {  "instructionId":"1" } | Delete instruction success: 1 |
| POST | /instruction/updateInstruction | update instruction | {  "instructionId":"1",  "name":"instruction1",  "description":"This is the new first instruction" } | {"instructionId":2,"name":"instruction2","description":"This is the new second instruction"} |
| POST | /instruction/getInstruction | get instruction | {  "instructionId":"1" } | {"instructionId":2,"name":"instruction2","description":"This is the new second instruction"} |
|  | #Dataset |  |  |  |
| POST | /datasetV2/addDataset | add dataset | {  "name":"dataset1",  "content":"This is the first dataset" } | {"datasetId":1,"name":"dataset1","content":"This is the first dataset"} |
| POST | /datasetV2/addDatasetToWorkflow | add dataset to workflow | {  "datasetId":"1",  "workflowId":"1" } | {"workflowId":1,"name":"workflow1","description":"This is the first workflow","previewImage":"http://www.webmproject.org/code/contribute/workflow/","usageCount":0,"viewCount":0,"downloadCount":0,"referenceCount":0,"questionableCount":0,"tasks":[],"inputs":[],"outputs":[],"contributors":[],"tags":[],"links":[],"instructions":[],"datasets":[{"datasetId":1,"name":"dataset1","content":"This is the first dataset"}],"attributeWorkflows":[],"subscribedUsers":[]} |
| POST | /datasetV2/deleteDataset | delete dataset | {  "datasetId":"1" } | Delete dataset success: 1 |
| POST | /datasetV2/updateDataset | update dataset | {  "datasetId":"1",  "name":"dataset1",  "content":"This is the new first dataset" } | {"datasetId":2,"name":"dataset2","content":"This is the new second dataset"} |
| POST | /datasetV2/getDataset | get dataset | {  "datasetId":"1" } | {"datasetId":2,"name":"dataset2","content":"This is the new second dataset"} |
|  | #Link |  |  |  |
| POST | /link/addLink | add link | {  "source":"link1",  "sink":"This is the first link" } | {"linkId":1,"source":"link1","sink":"This is the first link"} |
| POST | /link/addLinkToWorkflow | add link to workflow | {  "linkId":"1",  "workflowId":"1" } | {"workflowId":1,"name":"workflow1","description":"This is the first workflow","previewImage":"http://www.webmproject.org/code/contribute/workflow/","usageCount":0,"viewCount":0,"downloadCount":0,"referenceCount":0,"questionableCount":0,"tasks":[],"inputs":[],"outputs":[],"contributors":[],"tags":[],"links":[{"linkId":1,"source":"link1","sink":"This is the first link"}],"instructions":[],"datasets":[],"attributeWorkflows":[],"subscribedUsers":[]} |
| POST | /link/deleteLink | delete link | {  "linkId":"1" } | Delete link success: 1 |
| POST | /link/updateLink | update link | {  "linkId":"1",  "source":"link1",  "sink":"This is the new first link" } | {"linkId":2,"source":"link2","sink":"This is the new second link"} |
| POST | /link/getLink | get link | {  "linkId":"1" } | {"linkId":2,"source":"link2","sink":"This is the new second link"} |
|  | #Group |  |  |  |
| POST | /group/addGroup | add group | {  "creatorId":"1",  "name":"group1",  "isPublic":"true" } | {"groupId":1,"creatorId":1,"name":"group1","isPublic":true,"adminUsers":[],"memberUsers":[],"subscribedUsers":[]} |
| POST | /group/deleteGroup | delete group | {  "groupId":"1" } | Delete user group: 1 |
| POST | /group/updateGroup | update group | {  "groupId":"1",  "creatorId":"1",  "name":"new group1",  "isPublic":"true" } | {"groupId":2,"creatorId":1,"name":"new group2","isPublic":false,"adminUsers":[],"memberUsers":[],"subscribedUsers":[]} |
| POST | /group/getGroup | get group | {  "groupId":"1" } | {"groupId":2,"creatorId":1,"name":"new group2","isPublic":false,"adminUsers":[],"memberUsers":[],"subscribedUsers":[]} |
| POST | /group/getGroupIdByName | get group id by name | {  "name":"new group1" } | {"groupId":2} |
| POST | /group/getAllGroups | get all groups | {   } | {"allGroups":[{"groupId":2,"creatorId":1,"name":"new group2","isPublic":false},{"groupId":3,"creatorId":2,"name":"new group3","isPublic":true}]} |
|  | #Tag |  |  |  |
| POST | /tag/addTag | add tag | {  "name":"Birthday" } | {"tagId":1,"name":"Birthday","workflows":[],"posts":[]} |
| POST | /tag/deleteTag | delete tag | {  "tagId":"1" } | Delete tag success: 1 |
| POST | /tag/updateTag | update tag | {  "tagId":"1",  "name":"Party" } | {"tagId":2,"name":"007","workflows":[],"posts":[]} |
| POST | /tag/getTag | get tag | {  "tagId":"1" } | {"tagId":2,"name":"007","workflows":[],"posts":[]} |
| POST | /tag/getTagIdByName | get tag id by name | {  "name":"Party" } | {"tagId":2} |
| POST | /tag/getAllTags | get all tags | {  } | {"allTags":[{"tagId":2,"name":"007"},{"tagId":3,"name":"Thanks Giving"}]} |
|  | #Post |  |  |  |
| POST | /post/addPost | add post | {  "domain":"workflow",  "domainName":"workflow1",  "title":"Question about how to work out workflow 1",  "content":"This workflow is quite hard to understand, can you explain it? Thank you.",  "attachment":"https://localizationlocalisation.wordpress.com/tag/workflow/",  "isQuestion":"true" } | {"postId":1,"domain":"workflow","domainName":"workflow1","title":"Question about how to work out workflow 1","content":"This workflow is quite hard to understand, can you explain it? Thank you.","attachment":"https://localizationlocalisation.wordpress.com/tag/workflow/","isQuestion":true,"questionableCount":0} |
| POST | /post/addPostToUser | add post to user | {  "postId":"1",  "userId":"1" } | {"userId":1,"userName":"zixiw","password":"123456","firstName":"Zixi","lastName":"Wei","middleInitial":"No","affiliation":"NASA","title":"student","email":"123@gmail.com","mailingAddress":"Happy Road","phoneNumber":"567-462-7568","faxNumber":"112233445566","researchFields":"architecture","highestDegree":"master","workflows":[],"posts":[{"postId":1,"domain":"workflow","domainName":"workflow1","title":"Question about how to work out workflow 1","content":"This workflow is quite hard to understand, can you explain it? Thank you.","attachment":"https://localizationlocalisation.wordpress.com/tag/workflow/","isQuestion":true,"questionableCount":0}],"adminGroups":[],"memberGroups":[],"friends":[],"subscribeUsers":[],"subscribeGroups":[],"subscribeWorkflows":[]} |
| POST | /post/addTagToPost | add tag to post | {  "tagId":"1",  "postId":"2" } | {"postId":2,"domain":"group","domainName":"group1","title":"Suggestion towoards improving the quality of the group","content":"New Due to certain reasons, I think it's time to improve the content of our group and make the group a better place.","attachment":"https://piazza.com/class/igbomoxh42t4d8","isQuestion":false,"questionableCount":1,"creatorUser":[{"userId":1,"userName":"zixiw","password":"123456","firstName":"Zixi","lastName":"Wei","middleInitial":"No","affiliation":"NASA","title":"student","email":"123@gmail.com","mailingAddress":"Happy Road","phoneNumber":"567-462-7568","faxNumber":"112233445566","researchFields":"architecture","highestDegree":"master"}],"tags":[{"tagId":1,"name":"Birthday"}],"replies":[]} |
| POST | /post/deletePost | delete post | {  "postId":"1" } | Delete post success: 1 |
| POST | /post/deleteTagFromPost | delete tag from post | {  "tagId":"1",  "postId":"2" } | Delete tag from post success, post id: 2 tag id: 1 |
| POST | /post/updatePost | update post | {  "postId":"1",  "domain":"workflow",  "domainName":"workflow1",  "title":"Question about how to work out workflow 1",  "content":"New This workflow is quite hard to understand, can you explain it? Thank you.",  "attachment":"https://localizationlocalisation.wordpress.com/tag/workflow/",  "isQuestion":"true",  "questionableCount":"1" } | {"postId":2,"domain":"group","domainName":"group1","title":"Suggestion towoards improving the quality of the group","content":"New Due to certain reasons, I think it's time to improve the content of our group and make the group a better place.","attachment":"https://piazza.com/class/igbomoxh42t4d8","isQuestion":false,"questionableCount":1} |
| POST | /post/getPost | get post | {  "postId":"1" } | {"postId":2,"domain":"group","domainName":"group1","title":"Suggestion towoards improving the quality of the group","content":"New Due to certain reasons, I think it's time to improve the content of our group and make the group a better place.","attachment":"https://piazza.com/class/igbomoxh42t4d8","isQuestion":false,"questionableCount":1,"creatorUser":[{"userId":1,"userName":"zixiw","password":"123456","firstName":"Zixi","lastName":"Wei","middleInitial":"No","affiliation":"NASA","title":"student","email":"123@gmail.com","mailingAddress":"Happy Road","phoneNumber":"567-462-7568","faxNumber":"112233445566","researchFields":"architecture","highestDegree":"master"}],"tags":[],"replies":[]} |
| POST | /post/getPostsUnderDomainAndDomainName | get posts under domain and domain name | {  "domain":"workflow",  "domainName":"workflow1" } | {"posts":[{"postId":2,"domain":"group","domainName":"group1","title":"Suggestion towoards improving the quality of the group","content":"New Due to certain reasons, I think it's time to improve the content of our group and make the group a better place.","attachment":"https://piazza.com/class/igbomoxh42t4d8","isQuestion":false,"questionableCount":1}]} |
|  | #Reply |  |  |  |
| POST | /reply/addReply | add reply | {  "content":"I aggree with you haha" } | {"replyId":1,"content":"I aggree with you haha","date":"Wed Dec 02 07:16:02 UTC 2015","isAnswer":false} |
| POST | /reply/addReplyToPost | add reply to post | {  "replyId":"1",  "postId":"1" } | {"postId":1,"domain":"workflow","domainName":"workflow1","title":"Question about how to work out workflow 1","content":"This workflow is quite hard to understand, can you explain it? Thank you.","attachment":"https://localizationlocalisation.wordpress.com/tag/workflow/","isQuestion":true,"questionableCount":0,"creatorUser":[{"userId":1,"userName":"zixiw","password":"123456","firstName":"Zixi","lastName":"Wei","middleInitial":"No","affiliation":"NASA","title":"student","email":"123@gmail.com","mailingAddress":"Happy Road","phoneNumber":"567-462-7568","faxNumber":"112233445566","researchFields":"architecture","highestDegree":"master"}],"tags":[],"replies":[{"replyId":1,"content":"I aggree with you haha","date":"2015-12-02 07:16:02.0","isAnswer":false}]} |
| POST | /reply/deleteReply | delete reply | {  "replyId":"1" } | Delete reply success: 1 |
| POST | /reply/updateReply | update reply | {  "replyId":"1",  "content":"new content",  "isAnswer":"false" } | {"replyId":2,"content":"new content","date":"2015-12-02 07:16:27.0","isAnswer":false} |
| POST | /reply/getReply | get reply | {  "replyId":"1" } | {"replyId":2,"content":"new content","date":"2015-12-02 07:16:27.0","isAnswer":false} |