ACL Project API Documentation

Roll Number:

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Configurations

Remove all the Restapi database from mysql

RUN db.sql file located in /rest-api/resource/sql directory

Sr.No	Purpose	Method	URL	Input	Output

1	Login check (After login successful we are checking user type of login user and storing in local storage for next use) For that call **Get user type** api after successful user login i.e Sr. No. 2 api	Post	http://localhost:9091/webapi/v1/loginmaster	{"username":"adminuser", "password":"password"}	{
					 "status": 200,
					 "data": {
					 "id": 1,
					 "user_fname": "fname",
					 "user_lname": "lname",
					 "username": "adminuser",
					 "password": "password"
					 },
					 "message": "Success"
					 }

2	Get user type	Get	http://localhost:9091/webapi/v1/userpermission/adminuser	NULL	{
					 "status": 200,
					 "data": {
					 "id": 1,
					 "username": "adminuser",
					 "type_id": 1
					 },
					 "message": "Success"

					}

3	Create its type	Post	http://localhost:9091/webapi/v1/userpermission	{"username":"vishalkokane264","type_id":1}	{
					   "status": 200,
					   "data": {
					     "username": "vishalkokane264",
					     "type_id": 1
					   },
					   "message": "Success"
					}

4	Create user
	(For creating new user we are calling two api's to create new user and create its type)
	Therefore call **create its type** api after successful **create user** api
	i.e Sr. No. 2 api
		Post	http://localhost:9091/webapi/v1/user	{"user_fname":"vishal","user_lname":"kokane","username":"vishalkokane264","password":"Vishal@123"}	{
					   "status": 200,
					   "data": {
					     "user_fname": "vishal",
					     "user_lname": "kokane",
					     "username": "vishalkokane264",
					     "password": "Vishal@123"
					   },
					   "message": "Success"
					}

5	Get User details
	(Get single user details)
		Get	http://localhost:9091/webapi/v1/user/adminuser	NULL	{
					   "status": 200,
					   "data": {
					     "id": 1,
					     "user_fname": "fname",
					     "user_lname": "lname",
					     "username": "adminuser",
					     "password": "password"
					   },
					   "message": "Success"
					}

6	Get all users (Check other than admin cannot see all user details)	GET	http://localhost:9091/webapi/v1/user	NONE	{
					   "status": 200,
					   "data": [
					      [
					         "1",
					         "fname",
					         "lname",
					         "adminuser",
					         "password"
					      ],
					      [
					         "2",
					         "vishal",
					         "kokane",
					         "vishalkokane264",
					         "Vishal@123"
					      ]
					   ],
					   "message": "Success"
					}

7	Update User (For updating we are not updating username because its identity of that user) thats why i've not taken username in request body data	PUT	http://localhost:9091/webapi/v1/user/vishalkokane264	{"user_fname":"Vishal","user_lname":"Kokane","password":"Vishal@122"}	{
					   "status": 200,
					   "data": {
					      "user_fname": "Vishal",
					      "user_lname": "Kokane",
					      "username": "vishalkokane264",
					      "password": "Vishal@122"
					   }
					}

8	Delete User (I'm returning data as 1 for	DELETE	http://localhost:9091/webapi/v1/user	{"username":"vishalkokane264"}	{ "status": 200,

	successful deletion and -1 for unsuccessful deletion)				"data": 1, "message": "User deleted successfully" }

9	Create Group
	(For creating group first check user type who is creating group only admin can create group refer api 2)
		Post	http://localhost:9091/webapi/v1/groups	{"group_name":"spc","group_owner":"adminuser"}	{
					  "status": 200,
					  "data": {
					    "group_name": "spc",
					    "group_owner": "adminuser"
					  },
					  "message": "Success"
					}

10	Delete Group
	(If you delete group then members in group are automatically get deleted)
		Delete	http://localhost:9091/webapi/v1/groups/grp2	NULL	{
					  "status": 200,
					  "data": 1,
					  "message": "Data deleted successfully"
					}

11	Add User to group	Post	http://localhost:9091/webapi/v1/usergroup	{"user_name":"adminuser","gr_name":"spc"}	{
					  "status": 200,
					  "data": {
					    "user_name": "adminuser",
					    "gr_name": "spc"
					  },
					  "message": "Success"
					}

12	View users in the group	Get	http://localhost:9091/webapi/v1/usergroup/spc	NULL	{
					  "status": 200,
					  "data": [
					    [
					      "user",

					"spc"
					   ]
					  ]
					}

13	Delete Member from group (Again check user type of user who is deleting)	Delete	http://localhost:9091/webapi/v1/usergroup	{"user_name":"adminuser","gr_name":"grp1"}	{
					   "status": 200,
					   "data": 1,
					   "message": "Data deleted successfully"
					}

14	Get the groups in which user belongs	Get	http://localhost:9091/webapi/v1/usergroup/adminuser	Null	{
					   "status": 200,
					   "data": [
					     [
					       "adminuser",
					       "pp"
					     ],
					     [
					       "adminuser",
					       "spc"
					     ]
					   ]
					}

15	Get Resources	Get	http://localhost:9091/webapi/v1/fileserver/shubham	Null	{
					   "status": 200,
					   "data": [
					     [
					       "1",
					       "/acl",
					       "1",
					       "1",
					       "adminuser"
					     ],

| | | | | | [
    "2",
    "/acl/folder1",
    "1",
    "1",
    "adminuser"
],
[
    "3",
    "/acl/folder2",
    "1",
    "1",
    "adminuser"
],
[
    "4",
    "/acl/folder1/data.txt",
    "0",
    "2",
    "adminuser"
]
]
} |
| 16 | Add Resources | Post | http://localhost:9091/webapi/v1/fileserver | {"path":"/acl/folder2/data.txt","isfolder":0,"parent":3,"name":"shubham"} | {
    "status": 200,
    "data": {
        "path": "/acl/folder2/data.txt",
        "isfolder": 0,
        "parent": 3,
        "name": "shubham"
    },
    "message": "Success"
} |

17	Delete Resources	Delete	http://localhost:9091/webapi/v1/fileserver/5	Null	{
					    "status": 200,
					    "data": "File deleted successfully"
					}

18	Get next files	Get	http://localhost:9091/webapi/v1/getfiles/2	Null	{
					    "status": 200,
					    "data": [
					        [
					            "4",
					            "/acl/folder1/data.txt",
					            "0",
					            "2",
					            "adminuser",
					            "data.txt"
					        ],
					        [
					            "5",
					            "/acl/folder1/subfold1",
					            "1",
					            "2",
					            "adminuser",
					            "fold1"
					        ]
					    ]
					}

19	Get all user permission 1=id adminuser=username 1=type_id	Get	http://localhost:9091/webapi/v1/userpermission	NULL	{ "status": 200, "data": [["1",

20	type_id 1 for admin
	2 for Read
	3 for Read Write
					"adminuser",
					    "1"
					  ],
					  [
					    "2",
					    "vishalkokane",
					    "2"
					  ]
					],
					 "message": "Success"
					}

20	View all resources	Get	http://localhost:9091/webapi/v1/fileserver	NULL	{
					 "status": 200,
					 "data": [
					  [
					    "1",
					    "/home/vishal/",
					    "adminuser"
					  ],
					  [
					    "2",
					    "/home/vishal/Documents",
					    "adminuser"
					  ],
					  [
					    "3",
					    "/home/vishal/Documents/Mydata",
					    "adminuser"
					  ],
					  [
					    "4",
					    "/home/vishal/Pictures",
					    "adminuser"

      ],
      [
        "5",

"/home/vishal/Pictures/image.jpg",
        "adminuser"
      ],
      [
        "6",
        "/home/postgres",
        "adminuser"
      ],
      [
        "7",
        "/home/postgres/Music",
        "adminuser"
      ],
      [
        "8",
        "/home/postgres/Videos",
        "adminuser"
      ]
    ],
    "message": "Success"
}

| 21 | Add Resource | Post | http://localhost:9091/webapi/v1/fileserver | {"file_path":"/home/vishal/workspace/src/github.com/pucsd2020-pp","owner_name":"adminuser"} | {
  "status": 200,
  "data": {
    "file_path": "/home/vishal/workspace/src/github.com/pucsd2020-pp",
    "owner_name": "adminuser"
  },
  "message": "Success" |

					}

22	Get file data	Post	http://localhost:9091/webapi/v1/getfiledata	{"file_path":"/home/vishal/jj/dockerfile"}	{
					    "status": 200,
					    "data": "FROM debian:latest\nCOPY mysql-server_5.6.48-1debian9_i386.deb-bundle/ /root/\n"
					}

23	Grant file Privileges to user	Post	http://localhost:9091/webapi/v1/userfilepermission	{"username":"shubhamch","file_id":2,"given_by":"adminuser","perm_type":3}	{
					    "status": 200,
					    "data": {
					        "username": "shubhamch",
					        "file_id": 2,
					        "given_by": "adminuser",
					        "perm_type": 3
					    },
					    "message": "Failure"
					}

24	Revoke file Access of user	Delete	http://localhost:9091/webapi/v1/userfilepermission	{"username":"shubhamc","file_id":2,"given_by":"adminuser"}	For successful data deletion
					{
					    "status": 200,
					    "data": 1,
					    "message": "Data deleted successfully"
					}
					
					For unsuccessful data deletion
					{
					    "status": 200,
					    "data": -1,
					    "message": "Data not deleted successfully"
					}

25	Grant permission to group	Post	http://localhost:9091/webapi/v1/groupfilepermission	{"gr_name":"pp","file_id":2,"given_by":"adminuser","perm_type":2}	If group not exist then message will give asa failure
					
					{
					   "status": 200,
					   "data": {
					      "gr_name": "pp",
					      "file_id": 2,
					      "given_by": "adminuser",
					      "perm_type": 2
					   },
					   "message": "Success"
					}

26	Revoke permission from group	Delete	http://localhost:9091/webapi/v1/groupfilepermission	{"gr_name":"pp","file_id":2,"given_by":"adminuser"}	{
					   "status": 200,
					   "data": 1,
					   "message": "Data deleted successfully"
					}

27	Write data to file back	Post	http://localhost:9091/webapi/v1/writedatatofile	{"file_path":"/home/vishal/tmp/data.txt","owner_name":"This is my data"}	{
					   "status": 200,
					   "data": "Data saved"
					}