ProProfs Quiz Maker Rest API Guide

ProProfs lets you use the **REST API** to register, authenticate, and track learners for your courses and quizzes.

This API application facilitates three distinct processes:

1. Registering new users in a classroom

2. Tracking user progress for each assignment, and

3. Enabling classroom user authentication

Advantages of REST API:

- Developers enjoy flexibility as REST can handle multiple call types.

- It uses less bandwidth and provides fast execution.

- It facilitates autonomous development across various parts of the project.

In this article, you'll learn,

1. How to register new users in a classroom

- New Version

- Old Version

2. How to track user progress for each assignment

3. Hot to enable classroom user authentication

Register New User In Classroom

NEW VERSION

Endpoint URL:

The endpoint URL given below is used to call the Rest API. **POST** will be used as the request method. **JSON** will be your request format.

> **POST-** https://api.proprofs.com/classroom/v3/create/register

Request Parameters

Name	Required	Type	Description
token	Yes	String	Your private API key for the FAQ. The API key is available at: Settings > In-App Help > API key
username	Yes	String	ProProfs username
email	Yes (Either Email or ID is required)	String	User's unique Email
id	Yes (Either Email or ID is required	String	User's unique ID
fname	No	String	First name of the user

lname	No	String	Last name of the user
password	No	String	Password for the user to log in under a classroom. If missing, an auto-generated password will be assigned.
phone	No	String	Phone No. of user
address	No	String	User's address
city	No	String	City
state	No	String	State
country	No	String	Country
zip	No	String	Zip
status	No	String	Status ("active" / "inactive" / "delete")
expire	No	String	Date when the user's access will expire. Date format should be mm/dd/yyyy
assignments	No	Object	URL encoded link of the assignment. **Sample quiz assignment link:** https://www.proprofs.com/quiz-school/ugc/story.php?title=customer-service-training-quiz-template-3334wt **URL encoded version:** https%3A%2F%2Fwww.proprofs.com%2Fquiz-school%2Fugc%2Fstory.php%3Ftitle%3Dcustomer-service-training-quiz-template-3334wt **Sample course assignment link**: https://www.proprofs.com/training/course/?title=business-training **URL encoded version:** https%3A%2F%2Fwww.proprofs.com%2Ftraining%2Fcourse%2F%3Ftitle%3Dbusiness-training **Sample Learning Path Private Code:** 162XX9XX
group	No	Object	You can include up to **5 groups** while registering the user.

Sample Code | JSON

```
Accept: application/json

Content-Type: application/json

{

"token":"*****7edf67d0a*****aca630b0*****",

"username":"YourProProfsUserName",

"email":"john@proprofs.com",

"id":"johndlabs100",

"password":"YourPassword",

"fname":"John",

"lname":"Smith",

"phone":"1111111111",

"address":"32E, John Corps, Main ST",

"city":"Phoenix",

"State":"Arizona",

"country":"USA",

"zip":"85705",

"expire":"12/31/2025",

"status":"active",

"assignments":{

"assignment1":"https%3A%2F%2Fwww.proprofs.com%2Fquiz-school%2Fugc%2Fstory.php%3Ftitle%3Dcustomer-service-training-quiz-template-3334wt",

"assignment2":"http%3A%2F%2Fwww.proprofs.com%2Ftraining%2Fcourse%2F%3Ftitle%3Dethics-training-in-the-workplace_41",

"assignment3":"162XX9XX"
```

```
},
"group":{
"group1":{
"group_name":"gr-dlabs001",
"group_status":"active",
"assignments":{
"assignment1":"https%3A%2F%2Fwww.proprofs.com%2Fquiz-school%2Fugc%2Fstory.php%3
Ftitle%3Dcustomer-service-training-quiz-template-3334wt",
"assignment2":"http%3A%2F%2Fwww.proprofs.com%2Ftraining%2Fcourse%2F%3Ftitle%3De
thics-training-in-the-workplace_41",
"assignment3":"162XX9XX"

},
"is_group_admin":1,
"can_add_new_user":1,
"can_assign_user_to_group":1,
"can_assign_assignments":1,
"can_grade_reports":1,
"can_remove_user_from_group":1,
"can_delete_user":1,
"is_part_of":1,
"subgroup":{
"subgroup1":{
"subgroup_name":"subgr-dlabs001",
"subgroup_status":"active",
"assignments":{
"assignment1":"https%3A%2F%2Fwww.proprofs.com%2Fquiz-school%2Fugc%2Fstory.php%3
Ftitle%3Dcustomer-service-training-quiz-template-3334wt",
"assignment2":"http%3A%2F%2Fwww.proprofs.com%2Ftraining%2Fcourse%2F%3Ftitle%3De
thics-training-in-the-workplace_41",
"assignment3":"162XX9XX"
},
"is_group_admin":1,
"can_add_new_user":1,
"can_assign_user_to_group":1,
"can_assign_assignments":1,
"can_grade_reports":1,
"can_remove_user_from_group":1,
```

```
"can_delete_user":1,
"is_part_of":1
},
"subgroup2":{
"subgroup_name":"subgr-dlabs002",
"subgroup_status":"inactive",
"assignments":{
"assignment1":"https%3A%2F%2Fwww.proprofs.com%2Fquiz-school%2Fugc%2Fstory.php%3
Ftitle%3Dcustomer-service-training-quiz-template-3334wt",
"assignment2":"http%3A%2F%2Fwww.proprofs.com%2Ftraining%2Fcourse%2F%3Ftitle%3De
thics-training-in-the-workplace_41",
"assignment3":"162XX9XX"
},
"is_group_admin":1,
"can_add_new_user":1,
"can_assign_user_to_group":1,
"can_assign_assignments":1,
"can_grade_reports":0,
"can_remove_user_from_group":1,
"can_delete_user":0,
"is_part_of":1
}
}
},
"group2":{
"group_name":"gr-dlabs002",
"group_status":"inactive",
"assignments":{
"assignment1":"https%3A%2F%2Fwww.proprofs.com%2Fquiz-school%2Fugc%2Fstory.php%3
Ftitle%3Dcustomer-service-training-quiz-template-3334wt",
"assignment2":"http%3A%2F%2Fwww.proprofs.com%2Ftraining%2Fcourse%2F%3Ftitle%3De
thics-training-in-the-workplace_41",
"assignment3":"162XX9XX"
},
"is_group_admin":0,
"can_add_new_user":0,
"can_assign_user_to_group":0,
"can_assign_assignments":0,
```

```
"can_grade_reports":0,

"can_remove_user_from_group":0,

"can_delete_user":0,

"is_part_of":0

}

}

}
```

The request JSON object contains information about the user, group, subgroup and the courses that are to be assigned. Since a JSON string is big, it's better we divide it into different chunks for better understanding.

Request Parameters for user information

```
{ ⊟
    "token":"*****7edf67d0a*****aca630b0*****",
    "username":"YourProProfsUserName",
    "email":"john@proprofs.com",
    "id":"johndlabs100",
    "password":"YourPassword",
    "fname":"John",
    "lname":"Smith",
    "phone":"1111111111",
    "address":"32E, John Corps, Main ST",
    "city":"Phoenix",
    "State":"Arizona",
    "country":"USA",
    "zip":"85705",
    "expire":"12/31/2025",
    "status":"active",
    "assignments":{ ⊟
        "assignment1":"https%3A%2F%2Fwww.proprofs.com%2Ftraining%2Fcourse%2
        "assignment2":"https%3A%2F%2Fwww.proprofs.com%2Fquiz-school%2Fstory
    },
    "group":{ ⊟
        "group1":{ ⊞ },
        "group2":{ ⊞ }
    }
}
```

Request Parameters for the group information

```
"group":{ ⊟
   "group1":{ ⊟
      "group_name":"gr-dlabs001",
      "group_status":"active",
      "assignments":{ ⊟
         "assignment1":"https%3A%2F%2Fwww.proprofs.com%2Ftraining%2Fcou
         "assignment2":"https%3A%2F%2Fwww.proprofs.com%2Fquiz-school%2l
      },
      "is_group_admin":"1",
      "can_assign_user_to_group":"1",
      "can_assign_assignments":"0",
      "can_grade_reports":"0",
      "can_remove_user_from_group":"1",
      "can_delete_user":"0",
      "can_add_new_user":"0",
      "is_part_of":"1",
      "subgroup":{ ⊞ }
   },
   "group2":{ ⊞ }
}
```

Name	Required	Type	Description
group_name	No	String	The name of the group. If the group already exists, the user will get assigned to the group. Otherwise, a new group will be created and then the user will assign it.
group_status	No (default: active)	Boolean	The value should be **active** or **inactive**. The group with inactive status will not allow classroom access to their members (users).

assignments	No	Object	The list of quizzes and course links that you want to assign to the group. The link should be URL encoded and the total number of assignments shouldn't exceed more than 50. The assignment limit of 50 is applicable globally on the request. So, no matter whether we have consumed all 50 assignments to a group or divided them among multiple groups/subgroups/users.
is_group_admin	No (default: 0)	Boolean	The value should be **0** or **1**. Status 1 will make this user a group administrator for the group.
can_add_new_user	No (default: 0)	Boolean	The value should be **0** or **1**. If the status is set to 1, the user (group administrator) will have permission to add a new user from the web portal and assign that user to the group.
can_assign_user_to_group	No (default: 0)	Boolean	The value should be **0** or **1**. If the status is set to 1, the user (group administrator) can see the list of users available in the classroom and assign them to the group.
can_assign_assignments	No (default: 0)	Boolean	The value should be **0** or **1**. With status 1, the user (group administrator) can add assignments to the group.
can_grade_reports	No (default: 0)	Boolean	The value should be **0** or **1**. With status 1, the user (group administrator) can grade reports.
can_remove_user_from_group	No (default: 0)	Boolean	The value should be **0** or **1**. If the status is set to 1, the user (group administrator) can remove members from the group.
can_delete_user	No (default: 0)	Boolean	The value should be **0** or **1**. The user (group administrator) with status 1 will have permission to delete the user from the classroom. **Note:** Delete is permanent and you'll not be able to get it back once deleted.
is_part_of	No (default: 0)	Boolean	The value should be **0** or **1**. Status 1 will make this user a member of the group.

subgroup	No (default: 0)	Object	You can include up to 25 subgroups while registering the user. The subgroup limit of 25 is applicable globally on the request. So, no matter whether you have consumed all subgroups within a group or divided among the multiple groups.

Request Parameters for the subgroup information

```
"subgroup":{ ⊟
    "subgroup1":{ ⊟
        "subgroup_name":"subgr-dlabs001",
        "subgroup_status":"active",
        "is_group_admin":"1",
        "can_assign_user_to_group":"1",
        "can_assign_assignments":"0",
        "can_grade_reports":"0",
        "can_remove_user_from_group":"1",
        "can_delete_user":"1",
        "can_add_new_user":"1",
        "is_part_of":"1",
        "assignments":{ ⊟
            "assignment1":"https%3A%2F%2Fwww.proprofs.com%2Ftraining%2F
            "assignment2":"https%3A%2F%2Fwww.proprofs.com%2Fquiz-school
        }
    },
    "subgroup2":{ ⊞ }
}
```

Name	Required	Type	Description
subgroup_name	No (default: 0)	String	The name of the subgroup. If the subgroup exists, the user will be assigned to the subgroup. Otherwise, a new subgroup will be created and then the user will get assigned to it.
subgroup_status	No (default: active)	String	The value should be **active** or **inactive**. The subgroup with inactive status will not allow classroom access to their members (users).

assignments	No	Object	The list of quizzes and course links that you want to assign to the subgroup. The link should be URL encoded and the total number of assignments shouldn't exceed more than 50. The assignment limit of 50 is applicable globally on the request. So, no matter whether we have consumed all 50 assignments to a group or divided them among multiple groups/subgroups/users.
is_group_admin	No (default: 0)	Boolean	The value should be **0** or **1**. Status 1 will make this user a group administrator for the subgroup.
can_add_new_user	No (default: 0)	Boolean	The value should be **0** or **1**. If the status is set to 1, the user (group administrator) will have permission to add a new user from the web portal and assign that user to the subgroup.
can_grade_reports	No (default: 0)	Boolean	The value should be **0** or **1**. With status 1, the user (group administrator) can grade reports.
can_remove_user_from_group	No (default: 0)	Boolean	The value should be **0** or **1**. If the status is set to 1, the user (group administrator) can remove members from the subgroup.
can_delete_user	No (default: 0)	Boolean	The value should be **0** or **1**. The user (group administrator) with status 1 will have permission to delete the user from the classroom. **Note:** Delete is permanent and you'll not be able to get it back once deleted.
can_assign_user_to_group	No (default: 0)	Boolean	The value should be **0** or **1**. If the status is set to 1, the user (group administrator) can see the list of users available in the classroom and assign them to the subgroup.
can_assign_assignments	No (default: 0)	Boolean	The value should be **0** or **1**. With status 1, the user (group administrator) can add assignments to the subgroup.
is_part_of	No (default: 0)	Boolean	The value should be **0** or **1**. Status 1 will make this user a member of the group.

Response Format

JSON

Example Response [Success]

```
Content-Type: application/json
```

```
{

"status":"success",

"uid":"20114120",

"email":"john@proprofs.com",

"id":"johndlabs100",

"action":"created"

}
```

Response Fields	Description
status	**success** when the user added or updated successfully.
uid	The unique reference ID of the user post-registration.
email	The user email who just added/updated.
id	The user ID who just added/updated.
action	**created** or **updated** based on the action performed.

Example Response [Failed]

```
Content-Type: application/json

{

"status":"error",

"description":"Maximum 5 groups are allowed"

}
```

Response Fields	Description
status	**error** when the operation failed.
description	The error text describes the error.

OLD VERSION

Endpoint URL:

The endpoint URL given below is used to call the Rest API. **POST** will be used as the request method. **JSON** will be your request format.

> **POST-** https://www.proprofs.com/api/classroom/v1/user/register/

Request Parameters

Name	Required	Type	Description
token	Yes	String	Your private API key for the FAQ. The API key is available at: Settings > In-App Help > API key
username	Yes	String	ProProfs username

email	Yes (Either Email or ID is required)	String	User's unique Email
id	Yes (Either Email or ID is required	String	User's unique ID
fname	No	String	First name of the user
lname	No	String	Last name of the user
password	No	String	Password for the user to log in under a classroom. If missing, an auto-generated password will be assigned.
phone	No	String	Phone No. of user
address	No	String	User's address
city	No	String	City
state	No	String	State
country	No	String	Country
zip	No	String	Zip
status	No	String	Status ("active" / "inactive" / "delete")
expire	No	String	Date when the user's access will expire. Date format should be mm/dd/yyyy
group	No	String	Name the group in which you want to register the user. A maximum number of 5 groups is permitted. If no group name is mentioned, the user will still be registered but won't belong to any group.
group_status	No	String	Status ("active" / "inactive"). Default is "Active" if group_status is not specified.
sub_group	No	String	If a subgroup is specified, the corresponding parent group must be there.
sub_group_status	No	String	Status ("active" / "inactive"). Default is "Active" if sub_group_status is not specified.
is_group_admin	No	String	Is this user going to act as group admin? 0 = No (Default), 1 = Yes.
can_add_new_user	No	String	Does this user have permission to add a new user to a classroom? 0 = No (Default), 1 = Yes.
can_assign_user_to_group	No	String	Does this user have permission to add a user to a group? 0 = No (Default), 1 = Yes.
can_unassign_user_from_group	No	String	Does this user have permission to remove a user from a group? 1 = No (Default), 0 = Yes.
can_delete_user	No	String	Is this user allowed to delete their group members? 0 = No (Default), 1 = Yes.
can_assign_assignments	No	String	Can this user assign quizzes and courses to both users and groups? 0 = No (Default), 1 = Yes.
quiz_assignment	No	String	Assign quizzes directly to users or groups. A full URL encoded link of the quiz is required. E.g. http%3A%2F%2Fwww.proprofs.com%2Fquiz-school%2Fstory.php%3Ftitle%3Dhalloween-quizz. Note: If the group name is missing, the quiz will be directly assigned to the user.
course_assignment	No	String	Assign courses directly to users or groups. A full URL encoded link of the course is required. E.g. http%3A%2F%2Fwww.proprofs.com%2Ftraining%2Fcourse%2F%3Ftitle%3Dfederal-sexual-harassment. Note: If the group name is missing, the course will be directly assigned to the user.

Sample Code | JSON

```
Accept: application/json
Content-Type: application/json
{
    "token": "3f39bfe3d52efe4a975ce19eb1e9db4e",
    "username": "johnsmith",
    "email": "johnsmith@example.com",
    "id": 1024,
    "fname": "John",
            "lname": "Smith",
            "password": "rdsxc234edsx",
```

```
                "phone": "555-555-5555",
                "address": "100 MAIN ST",
                "city": "PHOENIX",
                "state": "AZ",
                "country": "USA",
                "zip": "85123",
                "status": "active",
                "expire": "06/30/2022",
                "group": ["sales","finance","marketing"],
                "group_status": ["active","active","inactive"],
                "sub_group": ["inbound","credit","digital"],
                "quiz_assignment:
["http%3A%2F%2Fwww.proprofs.com%2Fquiz-school%2Fstory.php%3Ftitle%3Dhalloween-q
uizz",
"http%3A%2F%2Fwww.proprofs.com%2Fquiz-school%2Fstory.php%3Ftitle%3Dhalloween-qu
izz",
"http%3A%2F%2Fwww.proprofs.com%2Fquiz-school%2Fstory.php%3Ftitle%3Dhalloween-qu
izz"]
        }
```

Response Format

JSON

Example Response [Success]

```
Content-Type: application/json
{
    "status": "SUCCESS",
    "email": "johnsmith@example.com",
    "id": "1024"
    }
```

Responses on Success

Response Fields	Description
status	Will return either "SUCCESS" or "ERROR"
email	Email of user
id	ID of user

Example Response [Error]

```
Content-Type: application/json
  {
```

```
        "status": "ERROR",
        "code": "ERR1001",
        "error": "API key is invalid"
}
```

Responses on Error

Error Fields	Description
status	In case of an error, this field will always contain the string "ERROR"
code	Unique error code
error	Descriptive error message

Error Codes and Descriptions

Error Code	Description
ERR1001	The request method must be POST.
ERR1002	The request is empty.
ERR1003	The request parameter shouldn't be more than one.
ERR1004	Something is wrong with the JSON request.
ERR1005	The token is missing.
ERR1006	The ProProfs username is missing.
ERR1007	Incorrect token or username. The input token is not associated with the username.
ERR1050	Either Email or ID is required and it should be unique.
ERR1051	Email shouldn't be empty.
ERR1052	ID shouldn't be empty.
ERR1053	The email pattern is incorrect.
ERR1054	The country name seems not to be supported. Use the "Supported Country Names" section to pick the correct country name.
ERR1055	A maximum of 5 groups is permitted.
ERR1056	ID seems duplicate. Please use a unique ID.
ERR1059	(1) A parent group can't be added as a sub-group. (2) The sub-group you have defined is already a parent of another group.

Live Example in PHP

This example will help you register the user in the classroom using the ProProfs API.

```php
function sendRequest($json)
  {
      $curl_obj = curl_init();
      curl_setopt($curl_obj, CURLOPT_SSL_VERIFYPEER, false);
      curl_setopt($curl_obj, CURLOPT_URL,
"https://www.proprofs.com/api/classroom/v1/user/register/");
```

```php
        curl_setopt($curl_obj, CURLOPT_POSTFIELDS, $json);
        curl_setopt($curl_obj, CURLOPT_RETURNTRANSFER, 1);
        curl_setopt($curl_obj, CURLOPT_POST, 1);
        curl_setopt($curl_obj, CURLOPT_HEADER, 0);
        return curl_exec($curl_obj);
    }


    $request_array = array();


    $request_array["token"] = "Your API Key";
    $request_array["username"] = "Your ProProfs Username";
    $request_array["email"] = "john@proprofs.com";
    $request_array["id"] = "12345";
    $request_array["fname"] = "John";
    $request_array["lname"] = "Smith";
    $request_array["password"] = "john101";
    $request_array["phone"] = "555-555-5555";
    $request_array["address"] = "151 Street Suit";
    $request_array["city"] = "Santa Monica";
    $request_array["state"] = "CA";
    $request_array["country"] = "United States";
    $request_array["zip"] = "90401";
    $request_array["status"] = "active";
    $request_array["expire"] = "12/31/2015";
    // User will be member of three groups Marketing,  Sales and Support.
    $group_array = array("Marketing", "Sales", "Support");
    $request_array["group"] = $group_array;


     // User will be group admin for Sales and Support groups only.
    $group_admin_array = array("0", "1", "1");
    $request_array["is_group_admin"] =  $group_admin_array;
    // User can add new users under classroom only when acting as group admin
for Sales and Support groups.
    $add_user_permission = array("0", "1", "1");
    $request_array["can_add_new_user"] = $add_user_permission;
    $json_request_string = json_encode( $request_array);
    echo sendRequest($json_request_string);
?>
```

Track User Progress For Each Assignment

Track the progress of each user against assignments with the help of this API method.

The Endpoint URL to call the REST API:

https://www.proprofs.com/api/classroom/v1/reports/users/

POST will be used as the request method, and **JSON** will be the request format.

Request Parameters

Name	Required	Type	Description
token	Yes	String	Unique ProProfs API key
username	Yes	String	ProProfs username
start	No	Integer	The starting index for the results. Default 1.
num	No	Integer	The requested number of results. Default 100. The maximum limit is 100 per API call.
email_or_id	No	String	This is used to filter records. If mentioned, the API will return records for the specified email or ID.
group_name	No	String	This can be used to fetch the data of group members such as the status of pending and completed assignments.

Sample Code | JSON

Endpoint URL:

https://www.proprofs.com/api/classroom/v1/reports/users/

```
Accept: application/json
Content-Type: application/json
{
    "token": "3f39cfe3d52efe4a275be19eb1e9db4e",
    "username": "johnsmith",
    "start": 1,
    "num": 100
}
```

Response Format

JSON

Example Response [Success]

```
Content-Type: application/json
{
        "status":"SUCCESS",
        "userCount":1500,
        "result":[
```

```
      {
          "email":"john@example.net",
          "id":"RE101",
          "name":"JOHN SMITH",
          "group":[
              "Media",
              "Advertising",
              "Marketing"
          ],
          "assignment":[
            {
              "type":"course",
              "title":"Comparative Media Studies",
              "status":"Completed",
              "progress":"100",
              "assignedOnDate":"02/15/2021",
              "percentCompleted":"90"
            },
            {
              "type":"quiz",
              "title":"Unit quizzes on comparative media",
              "status":"Pending",
              "progress":"0",
              "assignedOnDate":"02/15/2021",
              "percentCompleted":"90"
            }
          ]
        }
      ]
    }
```

Responses on Sucess

Response Fields	Description
status	Will return either "SUCCESS" or "ERROR"
userCount	The total number of users that exist in the classroom. This value will help you decide the number of API calls required to check the progress of each user in the classroom. A single API call can return a maximum of 100 user records.
email	Email of individual users in the classroom.
id	The ID of individual users that exists in the classroom.

name	Name of the user in the classroom.
type	Will either return "Quiz" or "Course".
title	Title of the quiz or course.
status	Status of assigned quiz and course. It may be either "Pending" or "Completed".
progress	The progress level of the individual course or quiz. If it is pending, progress will return 0. Otherwise, actual completion progress in a course such as 65%, 50%, etc.
assignedOnDate	The date on which quiz/course was assigned to a user.
percentCompleted	Exact progress status of the course. In the case of a quiz, the most recent quiz score will return.
group	The name of groups a user is associated with.

Example Response [Error]

```
Content-Type: application/json
 {

            "status": "ERROR",

            "code": "ERR1001",

            "error": "API key is invalid"

        }
```

Responses on Error

Error Fields	Description
status	In case of an error, this field will always contain the string "ERROR"
code	Unique error code
error	Descriptive error message

Error Codes and Descriptions

Error Code	Description
ERR1001	The request method must be POST.
ERR1002	The request is empty.
ERR1003	The request parameter shouldn't be more than one.
ERR1004	Something is wrong with the JSON request.
ERR1005	The token is missing.
ERR1006	The ProProfs username is missing.
ERR1007	Incorrect token or username. Input token is not associated with the username.
ERR1008	No record was found.

ERR1009	The starting offset shouldn't be greater than the total number of users in the classroom.
ERR1010	The assignment hasn't been assigned to anyone yet. No result was found.

Supported Country Names

Supported Country Names

Afghanistan, Albania, Algeria, Andorra, Angola, Antigua & Deps, Argentina, Armenia, Australia, Austria, Azerbaijan, Bahamas, Bahrain, Bangladesh, Barbados, Belarus, Belgium, Belize, Benin, Bhutan, Bolivia, Bosnia Herzegovina, Botswana, Brazil","Brunei, Bulgaria, Burkina, Burundi, Cambodia, Cameroon, Canada, Cape Verdi, Central African Rep, Chad, Chile, China, Colombia, Comoros, Congo, Congo {Democratic Rep}, Costa Rica, Croatia, Cuba, Cyprus, Czech Republic, Denmark, Djibouti, Dominica, Dominican Republic, East Timor, Ecuador, Egypt, El Salvador, Equatorial Guinea, Eritrea, Estonia, Ethiopia, Fiji, Finland, France, Gabon, Gambia, Georgia, German, Ghana, Greece, Grenada, Guatemala, Guinea, Guinea-Bissau, Guyana, Haiti, Honduras, Hungary, Iceland, India, Indonesia, Iran, Iraq, Ireland {Republic}, Israel, Italy, Ivory Coast, Jamaica, Japan, Jordan, Kazakhstan, Kenya, Kiribati, Korea North, Korea South, Kuwait, Kyrgyzstan, Laos, Latvia, Lebanon, Lesotho, Liberia, Libya, Liechtenstein, Lithuania, Luxembourg, Macedonia, Madagascar, Malawi, Malaysia, Maldives, Mali, Malta, Marshall Islands, Mauritania, Mauritius, Mexico, Micronesia, Moldova, Monaco, Mongolia, Montenegro, Morocco, Mozambique, Myanmar {Burma}, Namibia, Nauru, Nepal, Netherlands, New Zealand, Nicaragua, Niger, Nigeria, Norway, Oman, Pakistan, Palau, Panama, Papua New Guinea, Paraguay, Peru, Philippines, Poland, Portugal, Qatar, Romania, Russian Federation, Rwanda, St Kitts & Nevis, St Lucia, St Vincent & Gr/dines, Samoa, San Marino, Sao Tome & Principe, Saudi Arabia, Senegal, Serbia, Seychelles, Sierra Leone, Singapore, Slovakia, Slovenia, Solomon Islands, Somalia, South Africa, Spain, Sri Lanka, Sudan, Suriname, Swaziland, Sweden, Switzerland, Syria, Taiwan, Tajikistan ,Tanzania, Thailand, Togo, Tonga, Trinidad & Tobago, Tunisia, Turkey, Turkmenistan, Tuvalu, Uganda, Ukraine, United Arab Emirates, United Kingdom, United States, Uruguay, Uzbekistan, Vanuatu, Vatican City, Venezuela, Vietnam, Yemen, Zambia, Zimbabwe

Classroom User Authentication

Authenticate users in the classroom using this API. It supports **two** modes of authentication.

1. Authentication using Email/Username

If the request contains only an email or a username, we'll detect the learner's availability in the classroom.

2. Authentication using both Email and Password

If email, username, and password are present in the API, we'll detect learners' availability in the classroom and authenticate it using their password.

The Endpoint URL to call the REST API:

https://www.proprofs.com/api/classroom/v1/user/auth/

POST will be used as the request method, and **JSON** will be the request format.

Request Parameters

Name	Required	Type	Description
token	Yes	String	Unique ProProfs API key
username	Yes	String	ProProfs username
email_or_ID	Yes (Either Email or ID is required)	String	Learner's unique Email or Username
password	Yes	String	MD5 encrypted password.

Sample Code | JSON

```
POST-https://www.proprofs.com/api/classroom/v1/user/auth/
Accept: application/json
Content-Type: application/json
{
    "token": "3f39bfe3d52efe4a975ce19eb1e9db4e",
    "username": "johnsmith",
    "email_or_ID": "johnsmith@example.com",
    "password": "eb0efbc37b1b47d2d69be2240acfe63a"
            }
```

Response Format

JSON

Example Response [Success]

```
Content-Type: application/json
{
     "status":"SUCCESS",
     "result":[
       {
      "email":"john@example.net",
      "ID":"RE101",
      "name":"JOHN SMITH",
      "user_status":"active",
       "expiry_date":"05/22/2022",
      "group":[
         "Media",
         "Advertising",
         "Marketing"
      ],
```

```
      "assignment":[
         {
            "type":"course",
            "title":"Comparative Media Studies",
"unique_title":"comparative_media_studies",
            "progress":"Completed"
         },
         {
            "type":"quiz",
            "title":"Unit quizzes on comparative media",
"unique_title":"unit_quizzes_on_comparative_media",
            "progress":"Pending"
         }
        ]
      }
    ]
        }
```

Responses on Success

Response Fields	Description
status	Will return either "SUCCESS" or "ERROR"
result	These contain the email, username, and group name of the user.
assignment	Courses and quizzes assigned to the user and status of the assignment
user_status	User's status can be "active", "inactive" or "expired".
expiry_date	Expiration date in mm/dd/yyyy format, if available.

Example Response [Error]

```
Content-Type: application/json
{
      "status": "ERROR",
      "code": "ERR2001",
      "error": "Request method must be POST"
        }
```

Responses on Error

Error Fields	Description

status	In case of error, this field will always contain the string "ERROR"
code	Unique error code
error	Descriptive error message

Error Codes and Descriptions

Error Code	Description
ERR2001	Request method must be POST
ERR2002	Request is empty
ERR2002	Request parameter shouldn't be more than one
ERR2004	Something wrong with the JSON request
ERR2005	Token is missing
ERR2006	ProProfs username is missing
ERR2007	Incorrect token or username. Input token is not associated with the username
ERR2050	Either Email or ID is required
ERR2051	Email pattern is incorrect
ERR2052	User not authorized

Live Example in PHP

This example will help you authenticate users in the classroom using the ProProfs REST API.

```php
<?php
function sendRequest($json)
  {
      $curl_obj = curl_init();
      curl_setopt($curl_obj, CURLOPT_SSL_VERIFYPEER, false);
      curl_setopt($curl_obj, CURLOPT_URL,
"https://www.proprofs.com/api/classroom/v1/user/auth/");
      curl_setopt($curl_obj, CURLOPT_POSTFIELDS, $json);
      curl_setopt($curl_obj, CURLOPT_RETURNTRANSFER, 1);
      curl_setopt($curl_obj, CURLOPT_POST, 1);
      curl_setopt($curl_obj, CURLOPT_HEADER, 0);
      return curl_exec($curl_obj);
  }


    $request_array = array();
    $request_array["token"] = "Your API Key";
    $request_array["username"] = "Your ProProfs Username";
    $request_array["email_or_ID"] = "john@proprofs.com";
```

```
    $request_array["password"] = "3aa801d5d85e77ce9f2e431d8bf5fd73";

            $json_request_string = json_encode( $request_array);
  echo sendRequest($json_request_string);
  ?>
```

That is all about using the REST API in ProProfs Quiz Maker.

Related Articles:

- How Does the Single Sign-On (SSO) Feature Work?

- How to Auto-Enroll Learners Into Classroom Using API

- How to Track Progress of Learners in My Systems Using API