

ProProfs Quiz Maker Rest API Guide

ProProfs allows you to use REST API to register, authenticate, and track learners for your [courses](#) and [quizzes](#). This API application enables the utilization of three distinct processes:

- [1. Registering new users in a classroom](#)
- [2. Tracking user progress for each assignment](#)
- [3. Classroom user authentication](#)

Register New User In Classroom

Add new users in your [classroom](#) using their Email or ID with the help of this API method.

New Method

Introducing our new v3 API

<https://apidocs.proprofs.com/register-user>

Endpoint URL

<https://www.proprofs.com/api/classroom/v1/user/register/>

Request Method

POST

Request Format

JSON

URL Parameters

Name	Required	Type	Description
token	Yes	String	Unique ProProfs 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 user
lname	No	String	Last name of user
password	No	String	Password for user to login under 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 are permitted. If no group name is mentioned, 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 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 new user in classroom? 0 = No (Default), 1 = Yes.

can_assign_user_to_group	No	String	Does this user have permission to add user in group? 0 = No (Default), 1 = Yes.
can_unassign_user_from_group	No	String	Does this user have permission to remove user from 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 user and groups? 0 = No (Default), 1 = Yes.
quiz_assignment	No	String	Assign quiz directly to user or groups. 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 group name is missing, quiz will be directly assigned to the user.
course_assignment	No	String	Assign course directly to user or groups. 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 group name is missing, course will be directly assigned to the user.

Example Request

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

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": "12/31/2015",
    "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-quizz"
,
"http%3A%2F%2Fwww.proprofs.com%2Fquiz-school%2Fstory.php%3Ftitle%3Dhalloween-quizz",
"http%3A%2F%2Fwww.proprofs.com%2Fquiz-school%2Fstory.php%3Ftitle%3Dhalloween-quizz"]
}
```

Response Format

JSON

Response on Success

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

Example Response

Content-Type: application/json

```
{
  "status": "SUCCESS",
  "email": "johnsmith@example.com",
  "id": "1024"
}
```

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	Request method must be POST.
ERR1002	Request is empty.
ERR1003	Request parameter shouldn't be more than one.
ERR1004	Something wrong with JSON request.
ERR1005	Token is missing.
ERR1006	ProProfs username is missing.
ERR1007	Incorrect token or username. Input token is not associated with 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	Email pattern is incorrect.
ERR1054	Country name seems to be not supported. Use "Supported Country Names" section to pick correct country name.
ERR1055	Maximum 5 groups are permitted.

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ERR1056	ID seems duplicate. Please use unique ID.
ERR1059	(1) Parent group can't be added as subgroup. (2) The sub group you have defined is already parent of another group.

Example Error Response

Content-Type: application/json

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

Live example in PHP

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

```
function sendRequest($json)
{
  $curl_obj = curl_init();
  curl_setopt($curl_obj, CURLOPT_SSL_VERIFYPEER, false);
  curl_setopt($curl_obj, CURLOPT_URL,
"https://www.proprofs.com/api/classroom/v1/user/register/");
  curl_setopt($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 progress of each individual user against assignments with the help of this API method.

Endpoint URL

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

Request Method

POST

Request Format

JSON

URL 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.

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num	No	Integer	The requested number of results. Default 100. Maximum limit is 100 per API call.
email_or_id	No	String	This is used to filter records. If mentioned, 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 status of pending and completed assignments.

Example Request

POST <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

Response on Success

Response Fields	Description
status	Will return either "SUCCESS" or "ERROR"
userCount	Total number of users that exist in the classroom. This value will help you decide the number of API calls required to check progress of each user in classroom. A single API call can return maximum 100 user records.
email	Email of individual user exists in classroom.
id	ID of individual user that exists in the classroom.
name	Name of the user in 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	Progress level of the individual course or quiz. If it is pending, progress will return 0. Otherwise actual completion progress in course such as 65%, 50% etc.
assignedOnDate	Date on which quiz/course was assigned to user.
percentCompleted	Exact progress status of the course. In case of quiz, most recent quiz score will return.
group	Name of groups user is associated with.

Example Response

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":"02/15/2016",
          "percentCompleted":"90"
        },
        {
          "type":"quiz",
          "title":"Unit quizzes on comparative media",
          "status":"Pending",
          "progress":"0",
          "assignedOnDate":"02/15/2016",
          "percentCompleted":"90"
        }
      ]
    }
  ]
}
```

Responses on Error

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

Error Codes and Descriptions

Error Code	Description
ERR1001	Request method must be POST.
ERR1002	Request is empty.
ERR1003	Request parameter shouldn't be more than one.
ERR1004	Something wrong with the JSON request.
ERR1005	Token is missing.
ERR1006	ProProfs username is missing.
ERR1007	Incorrect token or username. Input token is not associated with username.
ERR1008	No record found.
ERR1009	Start offset shouldn't be greater than the total no. of users in the classroom.
ERR1010	The assignment hasn't been assigned to anyone yet. No result found.

Example Error Response

Content-Type: application/json

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

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 user in classroom using this API. It supports two modes of authentication.

- Authentication using Email/Username only

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

- Authentication using both Email and Password

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

Endpoint URL

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

Request Method

POST

Request Format

JSON

URL 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.

Example Request

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

Accept: application/json

Content-Type: application/json

{

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```
"token": "3f39bfe3d52efe4a975ce19eb1e9db4e",
"username": "johnsmith",
"email_or_ID": "johnsmith@example.com",
"password": "eb0efbc37b1b47d2d69be2240acfe63a"
}
```

Response Format

JSON

Response on Success

Response Fields	Description
status	Will return either "SUCCESS" or "ERROR"
result	These contain email, username and group name of user.
assignment	Courses and quizzes assigned to 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

Content-Type: application/json

```
{
  "status":"SUCCESS",
  "result":[
    {
      "email":"john@example.net",
      "ID":"RE101",
      "name":"JOHN SMITH",
      "user_status":"active",
      "expiry_date":"05/22/2015",
      "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 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

Example Error Response

Content-Type: application/json

```
{
  "status": "ERROR",
  "code": "ERR2001",
  "error": "Request method must be POST"
}
```

Live example in PHP

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

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

?>

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](#)