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Home » **AJAX Multiple Files Upload using PHP, jQuery**

AJAX Multiple Files Upload using PHP, jQuery

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Introduction

The example, AJAX multiple files upload using PHP jQuery, will show you how to upload multiple files using PHP, AJAX and jQuery without page refresh. This multiple files upload tutorial example is very useful where you need to upload multiple files in a web application.

In this example multiple files are selected using the browse button by holding keyboard's **Ctrl** button and files are uploaded to the 'uploads' directory. PHP script stores multiple files into the defined location and returns responses as success or failure messages from the PHP script.

If you want more file upload link without holding **Ctrl** button when you select a file, then you may read [PHP multiple files upload](#).

As a validation step I have added only to check if you have selected at least one file for uploading or not.

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Example with Source Code

Following steps are required in order to complete the example ajax multiple files upload using php jquery. Please go through the following steps.

1. Include jQuery library.
2. HTML page with upload field.
3. jQuery Ajax code.
3. PHP script to store the file.

Step 1. Include jQuery library into `<head/>` section of the HTML page. As the example AJAX multiple files upload using PHP jQuery suggests and we know without jQuery or JavaScript technology AJAX will not work, so it is required to include jQuery library.

You may also use plain JavaScript to apply AJAX technique but jQuery provides many more functionalities and easy to use.

```
<script type="text/javascript" src="https://code.jquery.com/jquery-3.4.1.min.js"></script>
```

Step 2. Put the below upload field inside `<body/>` tag in HTML page.

Notice here how the `name` attribute is used. We have also used `multiple` attribute to indicate that we will upload multiple files.

```
<p id="msg"></p>
<input type="file" id="multiFiles" name="files[]" multiple="multiple"/>
<button id="upload">Upload</button>
```

Step 3. Add below jQuery, AJAX code immediate after the jQuery library inside `<head/>` section of the HTML page.

When `Upload` button is clicked then we first create a new `FormData` object to store the file data.

We first retrieve the file counts and store each file into `FormData` object.

We then finally send the file data using `php-multiple-files-upload.php` file where server side code is written for uploading to the destination directory.



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```
$(document).ready(function (e) {  
    $('#upload').on('click', function () {  
        var form_data = new FormData();  
        var ins = document.getElementById('multiFiles').files.length;  
        for (var x = 0; x < ins; x++) {  
            form_data.append("files[]", document.getElementById('multiFiles').files[x]);  
        }  
        $.ajax({  
            url: 'php-multiple-files-upload.php', // point to server-side  
            dataType: 'text', // what to expect back from the PHP script  
            cache: false,  
            contentType: false,  
            processData: false,  
            data: form_data,  
            type: 'post',  
            success: function (response) {  
                $('#msg').html(response); // display success response  
            },  
            error: function (response) {  
                $('#msg').html(response); // display error response  
            }  
        });  
    });  
});  
</script>
```

Step 4. Create **php-multiple-files-upload.php** file with below source code.

This file is responsible for validation and uploading files to destination directory.

The PHP code first checks whether a user has selected at least one file for upload. If user has not selected at least one file then show an error message to the user for selecting at least one file.

Then code checks if the selected file already exists in the destination directory then inform with message that the selected file already exists in the destination directory otherwise upload the selected file in the destination directory.



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```
if (isset($_FILES['files']) && !empty($_FILES['files'])) {
    $no_files = count($_FILES["files"]['name']);
    for ($i = 0; $i < $no_files; $i++) {
        if ($_FILES["files"]["error"][$i] > 0) {
            echo "Error: " . $_FILES["files"]["error"][$i] . "<br>";
        } else {
            if (file_exists('uploads/' . $_FILES["files"]["name"][$i])) {
                echo 'File already exists : uploads/' . $_FILES["files"]["name"][$i];
            } else {
                move_uploaded_file($_FILES["files"]["tmp_name"][$i], 'uploads/' . $_FILES["fi
                echo 'File successfully uploaded : uploads/' . $_FILES["files"]["name"][$i] .
            }
        }
    }
} else {
    echo 'Please choose at least one file';
}

/*
 * End of script
 */
```

If we combine the steps 1, 2, and 3 then the full source code would be as shown below in a file called **index.html**.

Receive update on posts



```

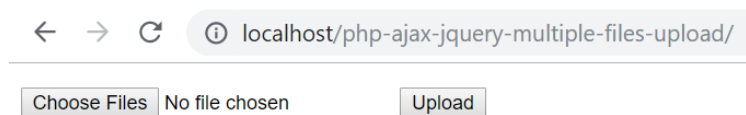
<html>
<head>
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <script type="text/javascript" src="https://code.jquery.com/jquery-3.4.1.min.js"></script>
  <script type="text/javascript">
    $(document).ready(function (e) {
      $('#upload').on('click', function () {
        var form_data = new FormData();
        var ins = document.getElementById('multiFiles').files.length;
        for (var x = 0; x < ins; x++) {
          form_data.append("files[]", document.getElementById('multiFiles').files[x]);
        }
        $.ajax({
          url: 'php-multiple-files-upload.php', // point to server
          dataType: 'text', // what to expect back from the PHP
          cache: false,
          contentType: false,
          processData: false,
          data: form_data,
          type: 'post',
          success: function (response) {
            $('#msg').html(response); // display success
          },
          error: function (response) {
            $('#msg').html(response); // display error message
          }
        });
      });
    });
  </script>
</head>
<body>
  <p id="msg"></p>
  <input type="file" id="multiFiles" name="files[]" multiple="multiple"/>
  <button id="upload">Upload</button>
</body>
</html>

```

Testing the Application

Home Page

Hit the URL <http://localhost/php-ajax-jquery-multiple-files-upload/> in the browser and you will see output as shown below in the image:



Error Message

When you do not select any file and try to click on Upload button then you will see the following error message:



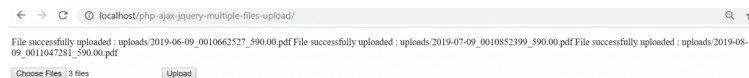
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Please choose at least one file

No file chosen

Uploading File(s)

Try to select multiple files (using **Ctrl** key) and click on **Upload** button.

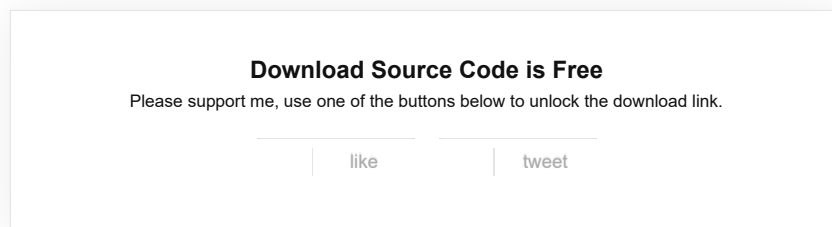


If the file successfully uploaded then you will see success message “File successfully uploaded : uploads/ *<some-file-name>*”.

If the file you are trying to upload already exists then you will see a message “File already exists : uploads/ *<some-file-name>*”.

Hope you have got an idea on AJAX multiple files upload using PHP jQuery.

Source Code



Thanks for reading.

Tags: [AJAX file upload](#) • [Multiple Files Upload](#) • [PHP AJAX](#) • [PHP File Upload](#)



[← AJAX File Upload using Codeigniter, jQuery](#)[AJAX Multiple Files Upload using Codeigniter, jQuery >](#)

7 thoughts on “AJAX Multiple Files Upload using PHP, jQuery”

Aniket says:

June 14, 2017 at 6:18 pm

one of the most easy to implement code on the internet for multiple upload

REPLY

Nayem says:

November 18, 2017 at 6:59 pm

thanks brother

REPLY

Suman says:

September 1, 2018 at 3:45 pm

It's a nice and simple code thank you for this multiple file upload code.

REPLY

ALMUSTAFA says:

October 4, 2018 at 6:26 pm

best multiple upload code

REPLY

Luka says:

July 18, 2019 at 6:57 pm



[HOME](#) [CATEGORY](#) [CONTACT](#)[REPLY](#)**Md Nuruzzaman says:***August 18, 2019 at 9:10 am*

Thank you sir. this tutorial is very useful to me.

[REPLY](#)**Ajay says:***October 3, 2019 at 8:08 pm*

when choosing large file it gives error.

Please choose at least one file

how to fix it ?

[REPLY](#)

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