**Practical 8**

**Aim**: To implement a program for making an Ajax style file upload.

**Theory:**

**Ajax Style File Upload**

Some rules to follow for the HTML form above:

* Form uses method="post"
* The form also needs the following attribute: enctype="multipart/form-data". It specifies which content-type to use when submitting the

form

Without the requirements above, the file upload will not work.

Other important things:

* The type="file" attribute of the <input> tag shows the input field as a file-select control, with a "Browse" button next to the input control
* The move\_uploaded\_file() function moves an uploaded file to a new location.

This function returns TRUE on success, or FALSE on failure.

**Syntax:**

move\_uploaded\_file(file,newloc)

file: Specifies the file to be moved.

newloc: Specifies the new location of the file.

**Progress Bar:**

The <progress> element represents the completion progress of a task.

<progress id="progress" value="0"></progress>

HTML5 progress element supports following attributes:

* **max** - specifies how much work the task requires in total. Must be afloating-point number > 0

**value** - specifies how much of the task has been completed. Must be afloating-point number >= 0 and <= max

**INPUT**

**fileupload.html**

<html>

<head>

<title>Ajax file upload with percentage progress bar</title>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initialscale=1.0">

<!-- include jQuery -->

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.1.1/jquery.min.js"> </script>

<!-- include bootstrap files -->

<!-- Latest compiled and minified CSS -->

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css" integrity="sha384-BVYiiSIFeK1dGmJRAkycuHAHRg32OmUcww7on3RYdg4Va+PmSTsz/K68vbdEjh4u" crossorigin="anonymous">

<!-- Optional theme -->

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstraptheme.min.css" integrity="sha384-rHyoN1iRsVXV4nD0JutlnGaslCJuC7uwjduW9SVrLvRYooPp2bWYgmgJQIXwl/Sp" crossorigin="anonymous">

<!-- Latest compiled and minified JavaScript -->

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js" integrity="sha384-Tc5IQib027qvyjSMfHjOMaLkfuWVxZxUPnCJA7l2mCWNIpG9mGCD8wGNIcPD7Txa" crossorigin="anonymous"></script>

<script>

$(function () {

$('#btn').click(function () {

$('.myprogress').css('width', '0');

$('.msg').text('');

var filename = $('#filename').val();

var myfile = $('#myfile').val();

if (filename == '' || myfile == '') {

alert('Please enter file name and select file');

return;

}

var formData = new FormData();

formData.append('myfile', $('#myfile')[0].files[0]);

formData.append('filename', filename);

$('#btn').attr('disabled', 'disabled');

$('.msg').text('Uploading in progress...');

$.ajax({

url: 'uploadscript.php',

data: formData,

processData: false,

contentType: false,

type: 'POST',

// this part is progress bar

xhr: function () {

var xhr = new window.XMLHttpRequest();

xhr.upload.addEventListener("progress", function (evt) {

if (evt.lengthComputable) {

var percentComplete = evt.loaded / evt.total;

percentComplete = parseInt(percentComplete \* 100);

$('.myprogress').text(percentComplete + '%');

$('.myprogress').css('width', percentComplete + '%');

}

}, false);

return xhr;

},

success: function (data) {

$('.msg').text(data);

$('#btn').removeAttr('disabled');

}

});

});

});

</script>

</head>

<body>

<div class="container">

<div class="row">

<h3>Ajax file upload with progress bar</h3>

<form id="myform" method="post">

<div class="form-group">

<label>Enter the file name: </label>

<input class="form-control" type="text" id="filename" />

</div>

<div class="form-group">

<label>Select file: </label>

<input class="form-control" type="file" id="myfile" />

</div>

<div class="form-group">

<div class="progress">

<div class="progress-bar progress-bar-success myprogress"

role="progressbar" style="width:0%">0%</div>

</div>

<div class="msg"></div>

</div>

<input type="button" id="btn" class="btn-success" value="Upload" />

</form> </div> </div> </body> </html>

**uploadscript.php**

<?php

error\_reporting(0);

if (isset($\_POST) and $\_SERVER['REQUEST\_METHOD'] == "POST") {

$path = "uploads/"; //set your folder path

//set the valid file extensions

$valid\_formats = array("jpg", "png", "gif", "bmp", "jpeg", "GIF", "JPG","PNG", "doc", "txt", "docx", "pdf", "xls", "xlsx"); //add the formats you want to upload

$name = $\_FILES['myfile']['name']; //get the name of the file

$size = $\_FILES['myfile']['size']; //get the size of the file

if (strlen($name)) { //check if the file is selected or cancelled after pressing the browse button.

list($txt, $ext) = explode(".", $name); //extract the name and extension of the file

if (in\_array($ext, $valid\_formats)) { //if the file is valid go on.

if ($size < 2098888) { // check if the file size is more than 2 mb

$file\_name = $\_POST['filename']; //get the file name

$tmp = $\_FILES['myfile']['tmp\_name'];

if (move\_uploaded\_file($tmp, $path . $file\_name.'.'.$ext)) { //check if it the file move successfully.

echo "File uploaded successfully!!";

} else {

echo "failed";

}

} else {

echo "File size max 2 MB";

}

} else {

echo "Invalid file format..";

}

} else {

echo "Please select a file..!";

}

exit;

}

**OUTPUT**



