



## Homework 4 Solution:

### hw4.html:

```
*G:\Documents\Courses\JavaScript_jQuery\Homework\HW4\HW4.html - Notepad++
File Edit Search View Encoding Language Settings Macro Run Plugins Window ?
Hw4.js HW4.html HW4_upload.html
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>Homework 4</title>
5 <!--Link to JavaScript source code -->
6 <script type = "text/javascript" src="HW4.js"></script>
7 </head>
8 <body>
9 <h1>File Input Validation</h1>
10 <p>The following JavaScript code attached to the
11 click event of the Upload button will validate the file type.</p>
12 <!--Form action performed when submit button is clicked -->
13 <form action="HW4_upload.html" method="get">
14 <!-- Input text box with name attribute that is used for query string -->
15 <input id="txtFilePath" type="text" size="100" name="filepath"></input>
16 <!--Submit button works in conjunction with form action -->
17 <input id="btnUpload" type="submit" value="Upload" onclick="return fFileValidate()" ></input>
18 </form>
19 </html>
20
```



## hw4\_upload.html

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4     <title>Homework 4</title>
5     <!--Link to JavaScript source code -->
6     <script type = "text/javascript" src="Hw4.js"></script>
7 </head>
8 <!-- Body tag contains onload event to invoke function fQueryString -->
9 <body onload="return fQueryString()">
10     <h1>File Uploaded</h1>
11     <p>Your file was successfully uploaded.</p>
12 </body>
13 </html>
14
```



## hw4.js

```
G:\Documents\Courses\JavaScript_jQuery\Homework\HW4\Hw4.js - Notepad++
File Edit Search View Encoding Language Settings Macro Run Plugins Window ?
Hw4.js x
1 function fFileValidate(){
2     //Get reference to input element txtFilePath
3     var txt = document.getElementById("txtFilePath");
4     //Regular expression is anchored to the end ($), case insensitive (i)
5     //Allowable file types: .jpeg, .jpg, .png, .gif, .bmp
6     if ( /\.(jpe?g|png|gif|bmp)$/i.test(txt.value) ) {
7         alert('File validation successful');
8         return true; //Form action in html form is performed
9     }
10    else{
11        alert('File Name = ' + txt.value + ' is invalid');
12        return false; //Form action in html form is canceled
13    }
14 }
15
16 function fQueryString(){
17     //Get query string (select the string until the equal sign)
18     var strQueryString = location.search;
19     //Match any character (.) zero or more (*) times in a non-greedy (?) fashion
20     //then find = (need to escape = sign)
21     //Then replace the found string with an empty string
22     strQueryString = strQueryString.replace(/^.*?\=/, '');
23     alert('Location = ' + decodeURIComponent(strQueryString));
24 }
```

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