Jurusan Teknologi Informasi Politeknik Negeri Malang
Jobsheet- 8: PHP - Form Upload
Mata Kuliah Desain dan Pemrograman Web
Pengampu: Tim Ajar Desain dan Pemrograman Web
Agustus 2020

Ketentuan;

Simpanlah file lembar jawaban ini dengan format; **Kelas_Nama Lengkap**

Contoh; **TI 2A_Elok Nur Hamdana**

Upload tugas jobsheet ini dengan batas maksimum sesuai jadwal perkuliahan masing masing kelas

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Tulislah Jawaban Pada Kolom Yang tersedia di bawah ini;

<div align="center">

LEMBAR JAWABAN JOBSHEET-8

</div>

Soal No	Jawaban

1.1

```
js8 > php > 📄 form-upload.php > 📦 html > 📦 body > 📦 form
 1   <!DOCTYPE html>
 2   <html lang="en">
 3   <head>
 4       <meta charset="UTF-8">
 5       <meta name="viewport" content="width=device-width,
       initial-scale=1.0">
 6       <title>File Upload</title>
 7   </head>
 8   <body>
 9       <form action="upload.php" method="post" enctype="multipart/
       form-data">
10           <input type="file" name="fileToUpload" id="fileToUpload">
11           <input type="submit" value="Upload File" name="submit">
12       </form>
13   </body>
14   </html>
```
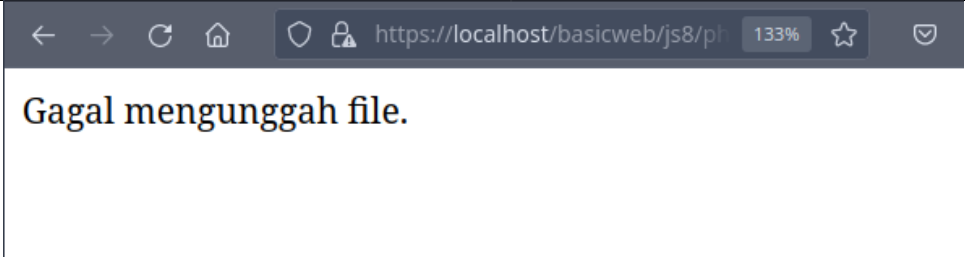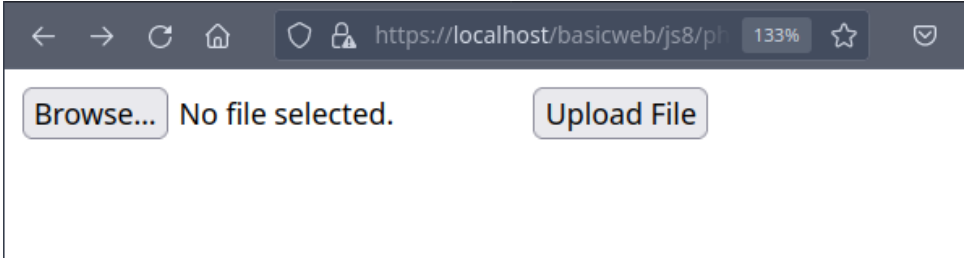
```
js8 > php > 📄 upload.php > …
 1   <?php
 2
 3   if (isset($_POST["submit"])) {
 4       $targetDirectory = "uploads/";
 5       $targetFile = $targetDirectory . basename($_FILES["fileToUpload"]
       ["name"]);
 6
 7       if (move_uploaded_file($_FILES["fileToUpload"]["tmp_name"],
       $targetFile)) {
 8           echo "File berhasil diunggah.";
 9       } else {
10           echo "Gagal mengunggah file.";
11       }
12   }
13
14   ?>
```

https://localhost/basicweb/js8/ph 133%

File berhasil diunggah.

Gagal mengunggah file.

- The code is the code to create a form to input files in a folder using the move_uploaded_files() method with target file and target directory parameters.

1.2	

```
js8 > php > 🐘 upload.php > ...
  1    <?php
  2
  3    if (isset($_POST["submit"])) {
  4        $targetDirectory = "uploads/";
  5        $targetFile = $targetDirectory . basename($_FILES["fileToUpload"]
             ["name"]);
  6        $fileType = strtolower(pathinfo($targetFile, PATHINFO_EXTENSION));
  7
  8        $allowedExtensions = array("jpg", "jpeg", "png", "gif");
  9
 10        $maxFileSize = 5 * 1024 * 1024;
 11
 12        if (in_array($fileType, $allowedExtensions) && $_FILES
             ["fileToUpload"]["size"] <= $maxFileSize) {
 13            if (move_uploaded_file($_FILES["fileToUpload"]["tmp_name"],
                 $targetFile)) {
 14                echo "File berhasil diunggah.";
 15            } else {
 16                echo "Gagal mengunggah file.";
 17            }
 18        } else {
 19            echo "Tipe file tidak diizinkan atau ukuran file melebihi 5MB.
                 ";
 20        }
 21    }
 22
 23    ?>
```

https://localhost/basicweb/js8/ph   133%

Browse... exploit.php   Upload File

Tipe file tidak diizinkan atau ukuran file melebihi 5MB.

- The code is an extension of the previous code, by adding allowed file extensions that are stored in an array, also added a maximum file size, if it does not meet it will display "invalid file".

1.3	

```php
12          if (in_array($fileType, $allowedExtensions) &&
            $_FILES["fileToUpload"]["size"] <=
            $maxFileSize) {
13              if (move_uploaded_file($_FILES
                ["fileToUpload"]["tmp_name"],
                $targetFile)) {
14                  echo "File berhasil diunggah.";
15                  echo '<br><img src="' . $targetFile .
                    '" width="200">';
16              } else {
17                  echo "Gagal mengunggah file.";
18              }
19          } else {
20              echo "Tipe file tidak diizinkan atau
                ukuran file melebihi 5MB.";
21          }
22      }
23
24  ?>
```


- Add code to the condition if
  (move_uploaded_file($_FILES["fileToUpload"]["tmp_name"],$targetFile)).

| 1.4 | js8 > php > 🐘 upload.php > … |

```php
<?php

if (isset($_POST["submit"])) {
    $targetDirectory = "documents/";
    $targetFile = $targetDirectory . basename
    ($_FILES["fileToUpload"]["name"]);
    $fileType = strtolower(pathinfo($targetFile,
    PATHINFO_EXTENSION));

    $allowedExtensions = array("txt", "pdf",
    "doc", "docx");

    $maxFileSize = 10 * 1024 * 1024;

    if (in_array($fileType, $allowedExtensions) &&
    $_FILES["fileToUpload"]["size"] <=
    $maxFileSize) {
        if (move_uploaded_file($_FILES
        ["fileToUpload"]["tmp_name"],
        $targetFile)) {
            echo "Document berhasil diunggah.";
        } else {
            echo "Gagal mengunggah document.";
        }
    } else {
        echo "Tipe document tidak diizinkan atau
        ukuran file melebihi 10MB.";
    }
}

?>
```

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Browse... 2308.14835.pdf   Upload File

Document berhasil diunggah.

- The code is actually the same as the fifth step code, except that the extension types that are allowed are different, the max file size is also different, and $_FILES captures input with the name "documentToUpload" and the output if it meets and does not meet will be according to the image below.

2.1

```
js8 > php > form-multiupload.php > html
1   <!DOCTYPE html>
2   <html>
3   <head>
4       <title>Multiupload Document</title>
5   </head>
6   <body>
7       <h2>Unggah Dokumen</h2>
8       <form action="proses-upload.php" method="post" enctype="multipart/
        form-data">
9               <input type="file" name="files[]" multiple="multiple"
                accept=".pdf, .doc, .docx">
10              <input type="submit" value="Unggah">
11      </form>
12  </body>
13  </html>
```

```
js8 > php > proses-upload.php > ...
1   <?php
2
3   $targetDirectory = "documents/";
4
5   if (!file_exists($targetDirectory)) {
6       mkdir($targetDirectory, 0777, true);
7   }
8
9   if ($_FILES["files"]["name"][0]) {
10      $totalFiles = count($_FILES["files"]["name"]);
11
12      for ($i = 0; $i < $totalFiles; $i++) {
13          $fileName = $_FILES['files']['name'][$i];
14          $targetFile = $targetDirectory . $fileName;
15
16          if (move_uploaded_file($_FILES["files"]["tmp_name"][$i],
            $targetFile)) {
17              echo "Dokumen " . $fileName . " berhasil diunggah.<br>";
18          } else {
19              echo "Dokumen " . $fileName . " gagal diunggah.<br>";
20          }
21      }
22  } else {
23      echo "Tidak ada dokumen yang diunggah.";
24  }
25
26  ?>
```
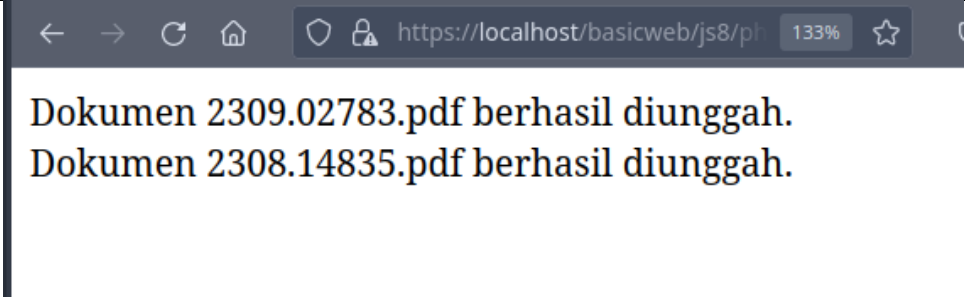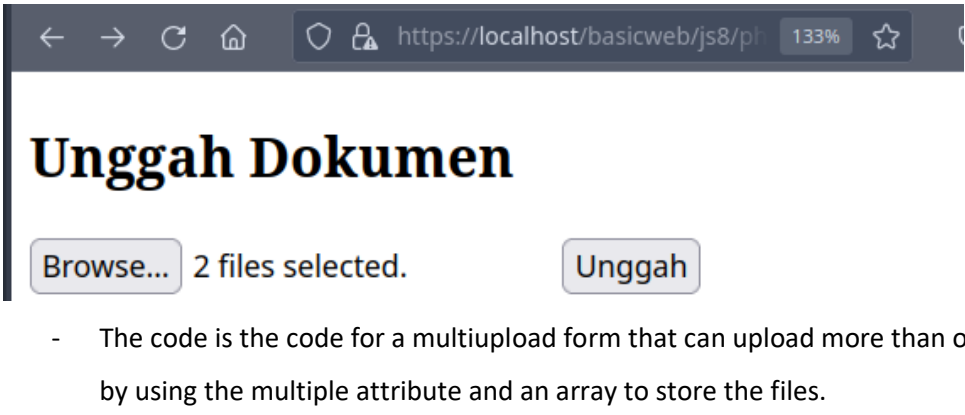
Dokumen 2309.02783.pdf berhasil diunggah.
Dokumen 2308.14835.pdf berhasil diunggah.

Unggah Dokumen

Browse... 2 files selected.   Unggah

- The code is the code for a multiupload form that can upload more than one file by using the multiple attribute and an array to store the files.

2.2

```
js8 > php > 🐘 form-multiupload.php > ⬡ html > ⬡ body > ⬡ form > ⬡ input
1   <!DOCTYPE html>
2   <html>
3   <head>
4       <title>Multiupload Document</title>
5   </head>
6   <body>
7       <h2>Unggah Dokumen</h2>
8       <form action="proses-upload.php" method="post" enctype="multipart/
        form-data">
9               <input type="file" name="files[]" multiple="multiple"
                accept=".jpg, .jpeg, .png, .gif">
10              <input type="submit" value="Unggah">
11      </form>
12  </body>
13  </html>
```

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Unggah Dokumen

Browse... 2 files selected.   Unggah

https://localhost/basicweb/js8/pl 133%

Dokumen WhatsApp Image 2023-10-15 at 5.22.56 PM.jpeg berhasil diunggah.
Dokumen WhatsApp Image 2023-09-23 at 10.44.33 PM.jpeg berhasil diunggah.

- The code is actually the same as the code in step three, but I modified the modified the input accept attribute part with the types of extensions on an image so that only images can be uploaded.

3.1

```
js8 > php > 🐘 form-upload-ajax.php > 🕸 html > 🕸 body > 🕸 form#upload-form
1   <!DOCTYPE html>
2   <html>
3   <head>
4       <title>Unggah File Dokumen</title>
5   </head>
6   <body>
7       <form id="upload-form" action="upload-ajax.php" method="post"
        enctype="multipart/form-data">
8           <input type="file" name="file" id="file">
9           <input type="submit" name="submit" value="Unggah">
10      </form>
11      <div id="status"></div>
12
13      <script src="https://code.jquery.com/jquery-3.6.0.min.js"></
        script>
14      <script src="upload.js"></script>
15  </body>
16  </html>
```

```php
js8 > php > 🐘 upload-ajax.php > ...
1   <?php
2
3   if (isset($_FILES['file'])) {
4       $errors = array();
5       $file_name = $_FILES['file']['name'];
6       $file_size = $_FILES['file']['size'];
7       $file_tmp = $_FILES['file']['tmp_name'];
8       $file_type = $_FILES['file']['type'];
9       @$file_ext = strtolower("" . end(explode('.', $_FILES['file']
        ['name'])) . "");
10      $extensions = array("pdf", "doc", "docx", "txt");
11
12      if (in_array($file_ext, $extensions) === false) {
13          $errors[] = "Ekstensi file tidak diperbolehkan, pilih file
            dengan ekstensi pdf, doc, docx, atau txt.";
14      }
15
16      if ($file_size > 2097152) {
17          $errors[] = "Ukuran file harus lebih kecil dari 2 MB.";
18      }
19
20      if (empty($errors) == true) {
21          move_uploaded_file($file_tmp, "documents/" . $file_name);
22          echo "File berhasil diunggah.";
23      } else {
24          echo implode(" ", $errors);
25      }
26  }
27
28  ?>
```

https://localhost/basicweb/js8/ph   133%

Browse... 366-Article Text-1056-1-10-20180816.pdf Unggah

File berhasil diunggah.

```
js8 > php > JS upload.js > ...
1    $(document).ready(function() {
2        $('#upload-form').submit(function(e) {
3            e.preventDefault();
4
5            var formData = new FormData(this);
6
7            $.ajax({
8                type: 'POST',
9                url: 'upload-ajax.php',
10               data: formData,
11               cache: false,
12               contentType: false,
13               processData: false,
14               success: function(response) {
15                   $('#status').html(response);
16               },
17               error: function() {
18                   $('#status').html('Upload error');
19               }
20           });
21       });
22   });
```

- The code is a code to upload files like the previous code, except that in this code
  the data delivery process uses ajax

3.2

js8 > php > 🔵 form-upload-ajax.php > ⬡ html > ⬡ body > ⬡ form#upload-form > ⬡ input#file

```html
1  <!DOCTYPE html>
2  <html>
3  <head>
4      <title>Unggah File Dokumen</title>
5  </head>
6  <body>
7      <form id="upload-form" action="upload-ajax.php" method="post"
       enctype="multipart/form-data">
8          <input type="file" name="file[]" id="file"
           multiple="multiple">
9          <input type="submit" name="submit" value="Unggah">
10     </form>
11     <div id="status"></div>
12
13     <script src="https://code.jquery.com/jquery-3.6.0.min.js"></
       script>
14     <script src="upload.js"></script>
15 </body>
16 </html>
```

```php
js8 > php > </> upload-ajax.php > ...
1    <?php
2
3    if (isset($_FILES['file'])) {
4        $totalFiles = count($_FILES['file']['name']);
5
6        for ($i=0; $i < $totalFiles; $i++) {
7            if (isset($_FILES['file']['name'][$i])) {
8                $errors = array();
9                $file_name = $_FILES['file']['name'][$i];
10               $file_size = $_FILES['file']['size'][$i];
11               $file_tmp = $_FILES['file']['tmp_name'][$i];
12               $file_type = $_FILES['file']['type'][$i];
13               @$file_ext = strtolower("" . end(explode('.', $_FILES
                 ['file']['name'][$i])) . "");
14               $extensions = array("jpg", "jpeg", "png", "pdf", "gif");
15
16               if (in_array($file_ext, $extensions) === false) {
17                   $errors[] = "Ekstensi file tidak diperbolehkan.
                     Silakan unggah file dengan ekstensi jpg, jpeg, png,
                     pdf, atau gif.";
18               }
19
20               if ($file_size > 2097152) {
21                   $errors[] = "Ukuran file harus lebih kecil dari 2 MB.
                     ";
22               }
23
24               if (empty($errors) == true) {
25                   move_uploaded_file($file_tmp, "documents/" .
                     $file_name);
26                   echo "File $file_name berhasil diunggah. <br>";
27               } else {
28                   echo implode(" ", $errors);
29               }
30           }
31       }
32   }
33
34   ?>
```

Browse... 2 files selected.   Unggah

File WhatsApp Image 2023-10-15 at 5.22.56 PM.jpeg berhasil diunggah.
File WhatsApp Image 2023-09-23 at 10.44.33 PM.jpeg berhasil diunggah.

- To make multiple files upload, add the multiple attribute thenadd code to the php by using an array to temporarily store the add code to the php by using an array to temporarily store the files you want to upload.

4.1

```html
js8 > php > form-upload-ajax.php > html > body > div.upload-form-container > form#upl
1   <!DOCTYPE html>
2   <html lang="en">
3   <head>
4       <link rel="stylesheet" type="text/css" href="../css/upload.css">
5       <title>Unggah File Dokumen</title>
6   </head>
7   <body>
8       <div class="upload-form-container">
9           <h2>Unggah File Dokumen</h2>
10          <form id="upload-form" action="upload-ajax.php" method="post"
                enctype="multipart/form-data">
11              <div class="file-input-container">
12                  <input type="file" name="file[]" id="file"
                        class="file-input" multiple="multiple">
13                  <label for="file" class="file-label">Pilih File</
                        label>
14              </div>
15              <button type="submit" name="submit" class="upload-button"
                    id="upload-button">Unggah</button>
16          </form>
17
18          <div id="status" class="upload-status"></div>
19      </div>
20
21      <script src="https://code.jquery.com/jquery-3.6.0.min.js"></
            script>
22      <script src="../js/upload.js"></script>
23  </body>
24  </html>
```

```js
js8 > js > JS upload.js > …
 1  $(document).ready(function() {
 2      $('#file').change(function() {
 3          if (this.files.length > 0) {
 4              $('#upload-button').prop('disabled', false).css
                ('opacity', 1);
 5          } else {
 6              $('#upload-button').prop('disabled', true).css('opacity',
                0.5);
 7          }
 8      });
 9  });
10
11  $(document).ready(function() {
12      $('#upload-form').submit(function(e) {
13          e.preventDefault();
14
15          var formData = new FormData(this);
16
17          $.ajax({
18              type: 'POST',
19              url: 'upload-ajax.php',
20              data: formData,
21              cache: false,
22              contentType: false,
23              processData: false,
24              success: function(response) {
25                  $('#status').html(response);
26              },
27              error: function() {
28                  $('#status').html('Upload error');
29              }
30          });
31      });
32  });
```

js8 > php > upload-ajax.php > …

```php
<?php

if (isset($_FILES['file'])) {
    $totalFiles = count($_FILES['file']['name']);

    for ($i=0; $i < $totalFiles; $i++) {
        if (isset($_FILES['file']['name'][$i])) {
            $errors = array();
            $file_name = $_FILES['file']['name'][$i];
            $file_size = $_FILES['file']['size'][$i];
            $file_tmp = $_FILES['file']['tmp_name'][$i];
            $file_type = $_FILES['file']['type'][$i];
            @$file_ext = strtolower("" . end(explode('.', $_FILES['file']['name'][$i])) . "");
            $extensions = array("jpg", "jpeg", "png", "pdf", "gif");

            if (in_array($file_ext, $extensions) === false) {
                $errors[] = "Ekstensi file tidak diperbolehkan. Silakan unggah file dengan ekstensi jpg, jpeg, png, pdf, atau gif.";
            }

            if ($file_size > 2097152) {
                $errors[] = "Ukuran file harus lebih kecil dari 2 MB.";
            }

            if (empty($errors) == true) {
                move_uploaded_file($file_tmp, "documents/" . $file_name);
                echo "File $file_name berhasil diunggah. <br>";
            } else {
                echo implode(" ", $errors);
            }
        }
    }
}

?>
```

```css
js8 > php > css > 🎨 upload.css > 🎯 .upload-status
1    .upload-form-container{
2        max-width: 400px;
3        margin: 0 auto;
4        padding: 20px;
5        border: 1px solid #ccc;
6        border-radius: 5px;
7        text-align: center;
8    }
9
10   .h2{
11       margin: 0;
12       font-size: 24px;
13       color: #333;
14   }
15
16   .file-input-container{
17       display: flex;
18       justify-content: center;
19       align-items: center;
20       margin: 20px 0;
21   }
22
23   .file-input{
24       display: none;
25   }
26
27   .file-label{
28       background: #3498db;
29       color: #fff;
30       padding: 10px 20px;
31       border-radius: 5px;
32       cursor: pointer;
33   }
34
35   .upload-button {
36       background: #2ecc71;
37       color: #fff;
38       padding: 10px 20px;
39       border: none;
40       border-radius: 5px;
41       cursor: pointer;
42       opacity: 0.5;
43   }
44
45   .upload-button:disabled{
46       background: #ccc;
47       cursor: not-allowed;
48   }
49
50   .upload-status {
51       margin-top: 20px;
52       font-weight: bold;
53   }
```

- The code actually functions the same as the previous code, it's just that in the code there is the addition of css for styling on its appearance and additional jquery to disable the upload button if the file has not been selected and remove the disable if you have selected file.

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