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LAPORAN PRAKTIKUM PEMROGRAMAN WEB

MATERI KE – 11 : Login Multiuser dan Download-Upload

OLEH:

FAIRUS IN'AM PRATAMA

210605110095

KELAS H

TEKNIK INFORMATIKA

UIN MAULANA MALIK IBRAHIM MALANG

2023

1. Prosedur Praktikum

a) Form Register

- Keluaran

o Form

Register

Username

fairusinampratama

Password

••••••••••

Ulangi Password

••••••••••

Nama Lengkap

Fairus In'am Pratama

Email

fairusinampratama@outlook.com

Level

Mahasiswa

Reset   Submit

o DB

web.register: 1 rows total (approximately)

username	password	email	namalengkap	level
fairusinampratama	fa82e543d9a8f8adeb4c07aadd2149ab	Fairus Inam Pratama	fairusinampratama@outlook.com	mahasiswa

o Required

Username

Password

⚠ Please fill out this field.

o Alert

localhost says

Ulangi, Password Anda tidak sama

OK

- HTML

```html
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Register</title>
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/css/bootstrap.min.css" rel="stylesheet"
        integrity="sha384-rbsA2VBKQhggwzxH7pPCaAqO46MgnOM80zW1RWuH61DGLwZJEdK2Kadq2F9CUG65" crossorigin="anonymous">
</head>

<body>
    <form action="register.php" method="post" id="register">
        <div class="container mb-5 mt-5">
            <div class="title m-4">
                <h3>Register</h3>
            </div>
            <div class="mb-3">
                <label for="username" class="form-label">Username</label>
                <input type="text" class="form-control" name="username" id="username" required>
            </div>
            <div class="mb-3">
                <label for="password" class="form-label">Password</label>
                <input type="password" class="form-control" name="password" id="password" required>
            </div>
            <div class="mb-3">
                <label for="ulangipassword" class="form-label">Ulangi Password</label>
                <input type="password" class="form-control" name="ulangipassword" id="ulangipassword" required>
            </div>
            <div class="mb-3">
                <label for="namalengkap" class="form-label">Nama Lengkap</label>
                <input type="text" class="form-control" name="namalengkap" id="namalengkap" required>
            </div>
            <div class="mb-3">
                <label for="email" class="form-label">Email</label>
                <input type="email" class="form-control" name="email" id="email" required>
            </div>
            <div class="mb-3">
                <label for="level" class="form-label">Level</label>
                <select class="form-select" name="level" id="level" required>
                    <option value="admin">Admin</option>
                    <option value="mahasiswa">Mahasiswa</option>
                    <option value="dosen">Dosen</option>
                </select>
            </div>
            <div class="mb-3">
                <button type="reset" class="btn btn-secondary">Reset</button>
                <button type="submit" class="btn btn-primary">Submit</button>
            </div>
        </div>
    </form>
    <script>
        document.getElementById("register").onsubmit = function (event) {
            event.preventDefault();
            var password = document.getElementById("password").value;
            var ulangipassword = document.getElementById("ulangipassword").value;
            if (password !== ulangipassword) {
                alert("Ulangi, Password Anda tidak sama");
                return false;
            }

            alert("Anda Sukses Registrasi");
            document.getElementById("register").submit();
        }
    </script>
    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/js/bootstrap.bundle.min.js"
        integrity="sha384-kenU1KFdBIe4zVF0s0G1M5b4hcpxyD9F7jL+jjXkk+Q2h455rYXK/7HAuoJl+0I4"
        crossorigin="anonymous"></script>
</body>

</html>
```

- PHP

    o Connection

```php
<?php
$host = "localhost";
$username = "root";
$password = "";
$database = "web";
$koneksi = mysqli_connect($host, $username, $password, $database);
```

o Process

```php
<?php
include "connection.php";
$username = $_POST['username'];
$password = md5($_POST['password']);
$ulangipassword = md5($_POST['ulangipassword']);
$namalengkap = $_POST['namalengkap'];
$email = $_POST['email'];
$level = $_POST['level'];

$sql = "INSERT INTO register VALUES ('".$username."', '".$password."', '".$namalengkap."', '".$email."',
'".$level."')";
$query = $koneksi->query($sql);
if ($query === true) {
    header('location: register.html');
} else {
    echo "Eror";
}
```

- Penjelasan

Form dibuat dengan menggunakan Bootstrap supaya terlihat lebih rapi. Apabila terdapat input yang belum terisi, maka program akan mengeluarkan notifikasi untuk diwajibkan mengisi. Pengulangan password yang masih kurang tepat juga akan membuat proses submit gagal dan diberikan notifikasi berupa alert. Notifikasi ditampilkan dengan menggunakan metode alert() dari javascript serta required pada HTML. Setelah melewati persyaratan, data akan masuk ke register.php dan dikirim ke basis data.

b) Form Login
- Keluaran

Username: fairusinampratama
Password: ●●●●●●●●●●
Login

- Sumber Kode

Anda sebagai mahasiswa

- formlogin.html

```html
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Form Login</title>
</head>
<body>
    <form action="act_login.php?op=in" method="post">
        <table>
            <tr>
                <td>Username: </td>
                <td><input type="text" name="username" id="username"></td>
            </tr>
            <tr>
                <td>Password: </td>
                <td><input type="password" name="psw" id="psw"></td>
            </tr>
            <tr>
                <td></td>
                <td><input type="submit" value="Login"></td>
            </tr>
        </table>
    </form>
</body>
</html>
```

- act_login.html

```php
<?php
session_start();
include "koneksi.php";
$user = $_POST['username'];
$psw = md5($_POST['psw']);

$op = $_GET['op'];

if($op == "in") {
    $query_l = "SELECT * from register where username='$user' AND password= '$psw'";
    $h_l = $koneksi -> query($query_l);
    if(mysqli_num_rows($h_l) == 1) {
        $d_l = $h_l -> fetch_array();
        echo $d_l;
        $_SESSION['username'] = $d_l['username'];
        $_SESSION['level'] = $d_l['level'];
        if($d_l['level'] == "admin") {
            header("location:home.php");
            //echo "admin";
        } else if ($d_l['level'] == "mahasiswa") {
            header("location:home.php");
            //echo "mahasiswa";
        } else if ($d_l['level'] == "dosen") {
            header("location:home.php");
            //echo "dosen";
        } else {
            die("password salah <a href=\"javascrip:history.back()\">kembali</a>");
        }
    }
} else if ($op == "out") {
    unset($_SESSION['username']);
    unset($_SESSION['level']);
    header("location:formlogin.html");
}
```

o home.php

```php
<?php
session_start();
include "koneksi.php";
error_reporting(E_ALL^(E_NOTICE|E_WARNING));
if(!isset($_SESSION['username'])) {
    die("Anda belum login");
}
$username = $_SESSION['username'];
$level = $_SESSION['level'];
if ($level == 'admin') {
    echo "Anda sebagai ".$level;
} else if ($level == 'mahasiswa') {
    echo "Anda sebagai ".$level;
} else if ($level == 'dosen') {
    echo "Anda sebagai ".$level;
}
?>
```

o koneksi.php

```php
<?php
$host = "localhost";
$username = "root";
$password = "";
$database = "web";
$koneksi = mysqli_connect($host, $username, $password, $database);
```

- Penjelasan

Form berawal dengan masukan berupa *username* dan *password*. Keduanya kemudian akan dikirim ke act_login.php dengan menggunakan metode POST. Apabila *username* dan *password* cocok dengan basis data, maka akan dilanjutkan ke home.php. Pada halaman tersebut akan ditampilkan level dari user.

c) Upload dan Download Dokumen/File
   - Keluaran
      o Beranda

Upload-Download File

Upload

Download

o Upload Form

Upload Form

Choose File D3-2020-410841-title.pdf   Deskripsi: Jurnal   Upload
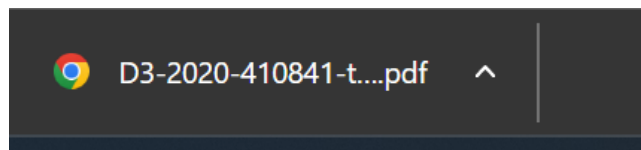
File D3-2020-410841-title.pdf uploaded and inserted into the database successfully.

o Download Form

Download File

Select File: D3-2020-410841-title.pdf ⌄

Download

o Hasil Download

o Database

kode_doc	tgl	deskripsi	file	nama_file	tipe_file	ukuran_file
1	2023-05-25	indonesia merdeka	C:\laragon\www\Prak Web\Modul 11...	364-1056-1-PB (2).pdf	application/pdf	35
2	2023-05-25	indonesia merdeka	C:\laragon\www\Prak Web\Modul 11...	carbon (9).png	image/png	42518
3	2023-05-25	indonesia merdeka	C:\laragon\www\Prak Web\Modul 11...	35746_KTP_atau_Kartu_Keluarga_(b...	application/pdf	213583
4	2023-05-25	Jurnal	C:\laragon\www\Prak Web\Modul 11...	D3-2020-410841-title.pdf	application/pdf	347154

web.document: 4 rows total (approximately)

- Sumber Kode

o Connection.php

```php
<?php
$host = "localhost";
$username = "root";
$password = "";
$database = "web";
$koneksi = mysqli_connect($host, $username, $password, $database);
    return res ? go(f, res[1], acc.concat([res[0]])) : acc
  }
  return go(f, seed, [])
}
```

o Download_proses.php

```php
<?php
if ($_SERVER["REQUEST_METHOD"] == "POST" && isset($_POST["file_id"])) {
    include "connection.php";

    if ($koneksi->connect_error) {
        die("Connection failed: " . $koneksi->connect_error);
    }

    $file_id = $_POST["file_id"];

    $sql = "SELECT file, nama_file, tipe_file, ukuran_file FROM document WHERE kode_doc
= ?";
    $stmt = $koneksi->prepare($sql);
    $stmt->bind_param("i", $file_id);
    $stmt->execute();
    $stmt->store_result();

    if ($stmt->num_rows > 0) {
        $stmt->bind_result($file_path, $nama_file, $tipe_file, $ukuran_file);
        $stmt->fetch();

        if (file_exists($file_path)) {
            header("Content-type: $tipe_file");
            header("Content-Disposition: attachment; filename=\"$nama_file\"");
            header("Content-length: $ukuran_file");

            readfile($file_path);
        } else {
            echo "File not found.";
        }
    } else {
        echo "File not found.";
    }

    $stmt->close();
    $koneksi->close();
}
?>
```

o Download.php

```php
<!DOCTYPE html>
<html>
<head>
    <title>Download Form</title>
</head>
<body>
    <h2>Download File</h2>
    <form action="download_proses.php" method="post">
        <label for="file_id">Select File:</label>
        <select name="file_id" id="file_id">
            <?php
                include "connection.php";

                $sql = "SELECT kode_doc, nama_file FROM document";
                $result = $koneksi->query($sql);

                if ($result->num_rows > 0) {
                    while ($row = $result->fetch_assoc()) {
                        echo '<option value="' . $row["kode_doc"] . '">' .
$row["nama_file"] . '</option>';
                    }
                } else {
                    echo '<option value="">No files available</option>';
                }

                $koneksi->close();
            ?>
        </select>
        <br><br>
        <input type="submit" value="Download">
    </form>
</body>
</html>
```

o Index.html

```html
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-
scale=1.0">
    <title>Upload-Download File</title>
</head>
<body>
    <h1>Upload-Download File</h1>
    <a href="upload.html">Upload</a> <br><br>
    <a href="download.php">Download</a>
</body>
</html>
```

o Upload.html

```html
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Upload File</title>
</head>
<body>
    <form action="upload.php" method="POST" enctype="multipart/form-
data">  <h1>Upload Form</h1>
        <input type="file" name="file">
        <label for="deskripsi">Deskripsi: </label>
        <input type="text" name="deskripsi" id="deskripsi">
        <input type="submit" value="Upload">
    </form>
</body>
</html>
```

o Upload.php

```php
<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    if (isset($_FILES["file"]) && $_FILES["file"]["error"] == UPLOAD_ERR_OK) {
        include "connection.php";

        if ($koneksi->connect_error) {
            die("Connection failed: " . $koneksi->connect_error);
        }

        $file = $_FILES["file"];
        $tgl = date("Y-m-d");
        $deskripsi = $_POST["deskripsi"];
        $nama_file = $file["name"];
        $tipe_file = $file["type"];
        $ukuran_file = $file["size"];

        $uploadDirectory = "C:\laragon\www\Prak Web\Modul 11\upload-download\data/";
        $uniqueFilename = uniqid() . "_" . $nama_file;
        $uploadPath = $uploadDirectory . $uniqueFilename;
        if (move_uploaded_file($file["tmp_name"], $uploadPath)) {
            // File moved successfully, now store the file path in the database
            $sql = "INSERT INTO document (tgl, deskripsi, file, nama_file, tipe_file,
ukuran_file) VALUES (?,?,?,?,?,?)";
            $stmt = $koneksi->prepare($sql);
            $stmt->bind_param("ssssss", $tgl, $deskripsi, $uploadPath, $nama_file,
$tipe_file, $ukuran_file);

            if ($stmt->execute()) {
                if ($stmt->affected_rows > 0) {
                    echo "File " . $nama_file . " uploaded and inserted into the
database successfully.";
                } else {
                    echo "Error: File " . $nama_file . " was not inserted into the
database.";
                }
            } else {
                echo "Error uploading file " . $nama_file . " and inserting into the
database.";
            }

            $stmt->close();
        } else {
            echo "Error moving file " . $nama_file . " to the desired directory.";
        }

        $koneksi->close();
    }
}
?>
```

- Penjelasan
  o Program dimulai dengan beranda yang berisikan halaman menuju ke upload atau download. Beranda hanya berisikan *anchor* yang mengarah ke dua halaman tersebut.
  o Halaman Upload hanya berisi dua macam masukan, yakni memilih file yang akan diupload, serta memberikan deskripsi. Kemudian lanjut pada *action*, file akan dipindahkan ke directory data di tempat yang sama dengan sumber kode, dan mengirim directory path tersebut ke database, supaya file yang disimpan tetap dalam kondisi baik, dan mudah ketika ingin men-download.

- Halaman download hanya berisikan combobox mengenai file apa yang ingin diunduh. File diurutkan berdasarkan kode_doc pada database. Kemudian, file yang dipilih akan dilakukan pengunduhan.