# Praktikum Pemrograman Berbasis Web

## Untuk Memenuhi Tugas Ke-4

**Dosen**

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**Program Studi Teknik Informatika**

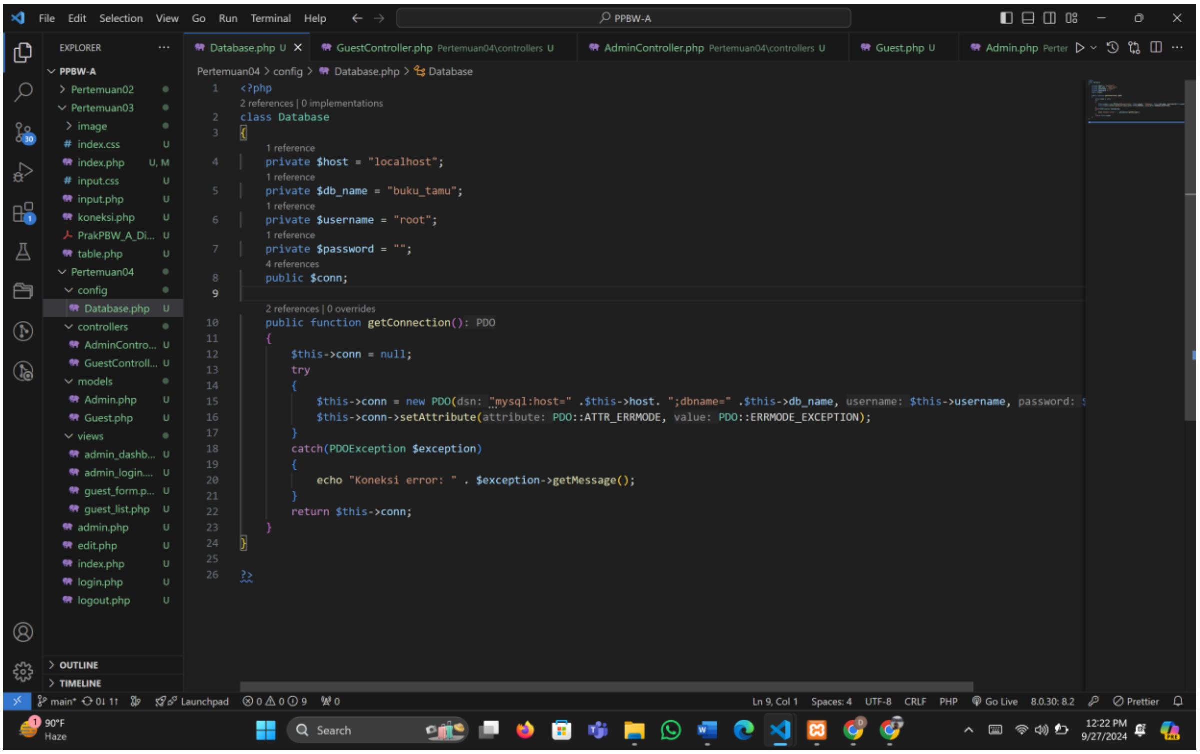
**Universitas Pancasila**

**Tahun Akdemik 2024 / 2025**

**Jakarta**

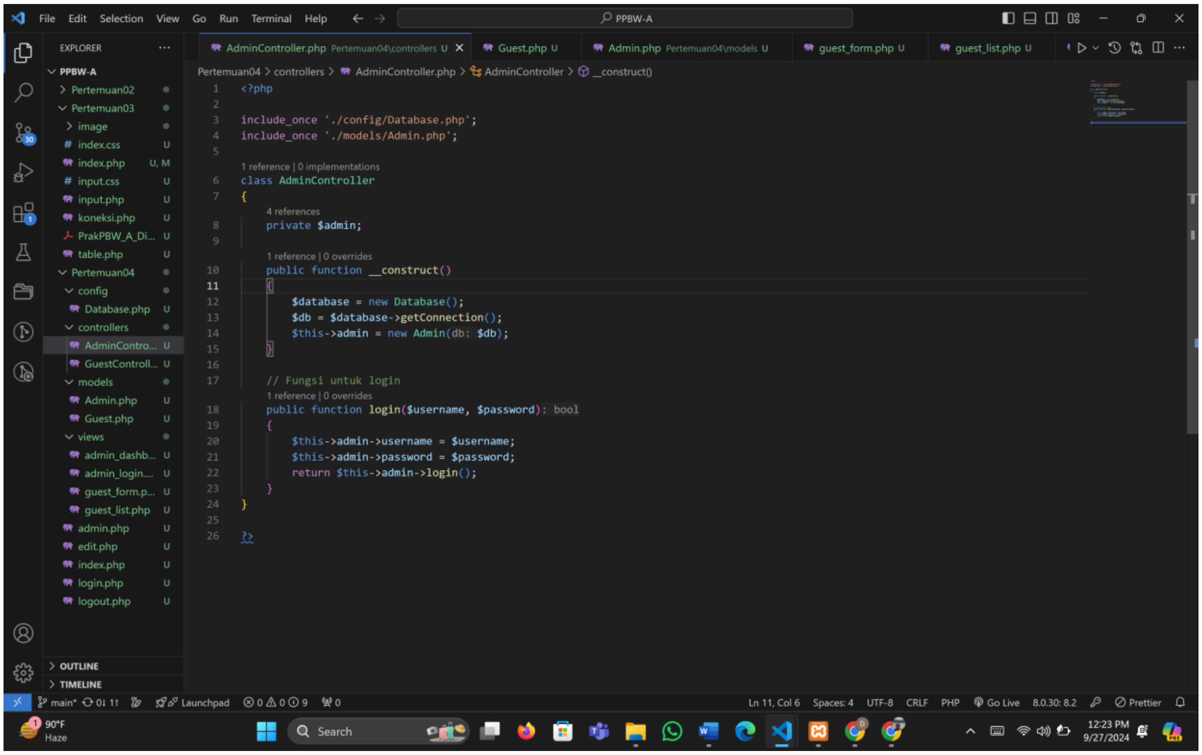
# A. Source Code

## I. Config / Database.php



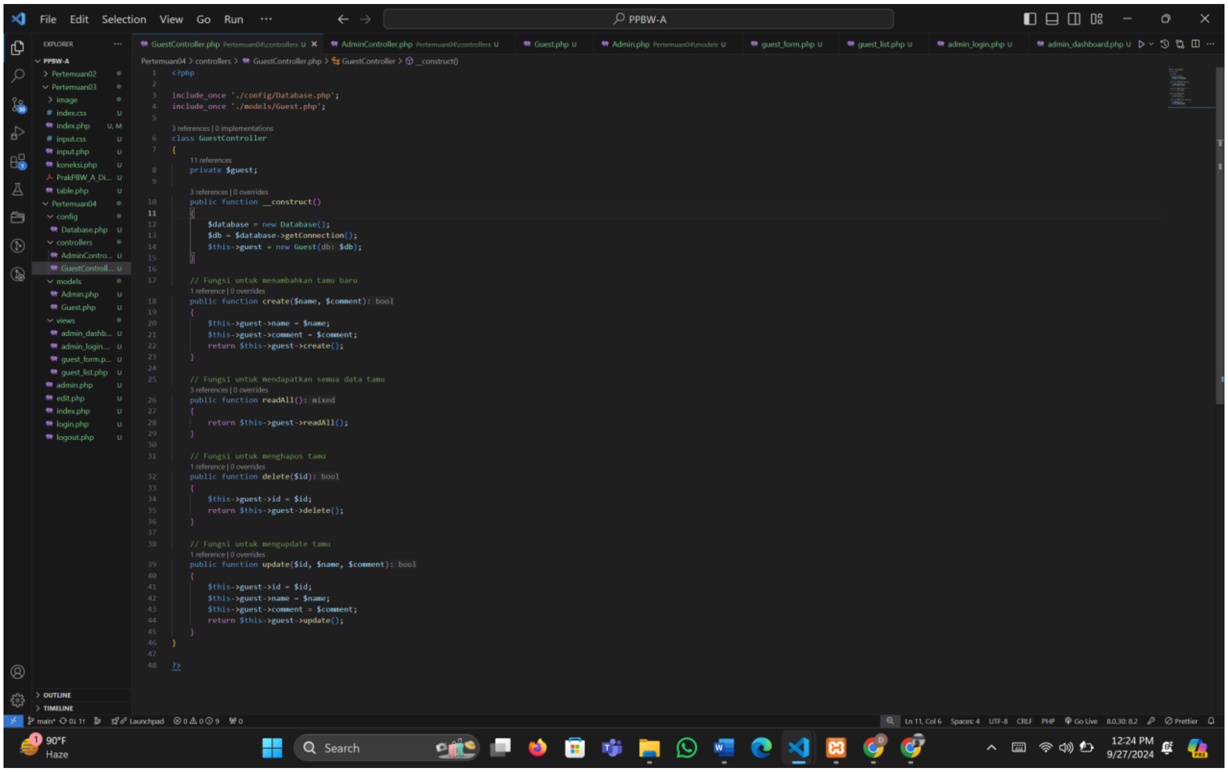
```php
<?php
2 references | 0 implementations
class Database
{
    1 reference
    private $host = "localhost";
    1 reference
    private $db_name = "buku_tamu";
    1 reference
    private $username = "root";
    1 reference
    private $password = "";
    4 references
    public $conn;

    2 references | 0 overrides
    public function getConnection(): PDO
    {
        $this->conn = null;
        try
        {
            $this->conn = new PDO(dsn: "mysql:host=" .$this->host. ";dbname=" .$this->db_name, username: $this->username, password: $
            $this->conn->setAttribute(attribute: PDO::ATTR_ERRMODE, value: PDO::ERRMODE_EXCEPTION);
        }
        catch(PDOException $exception)
        {
            echo "Koneksi error: " . $exception->getMessage();
        }
        return $this->conn;
    }
}

?>
```

## II. Controlers / AdminController.php



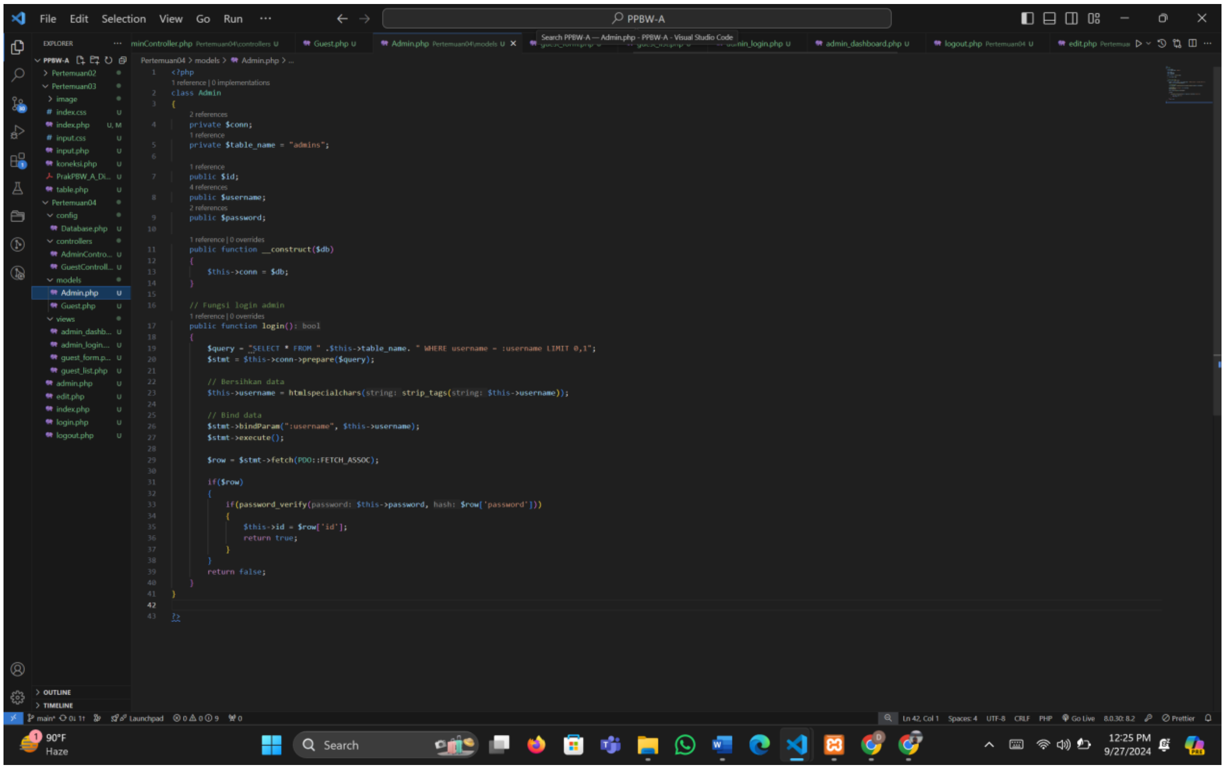
```php
<?php

include_once './config/Database.php';
include_once './models/Admin.php';

1 reference | 0 implementations
class AdminController
{
    4 references
    private $admin;

    1 reference | 0 overrides
    public function __construct()
    {
        $database = new Database();
        $db = $database->getConnection();
        $this->admin = new Admin(db: $db);
    }

    // Fungsi untuk login
    1 reference | 0 overrides
    public function login($username, $password): bool
    {
        $this->admin->username = $username;
        $this->admin->password = $password;
        return $this->admin->login();
    }
}

?>
```

# III. Controlers / GuestController.php



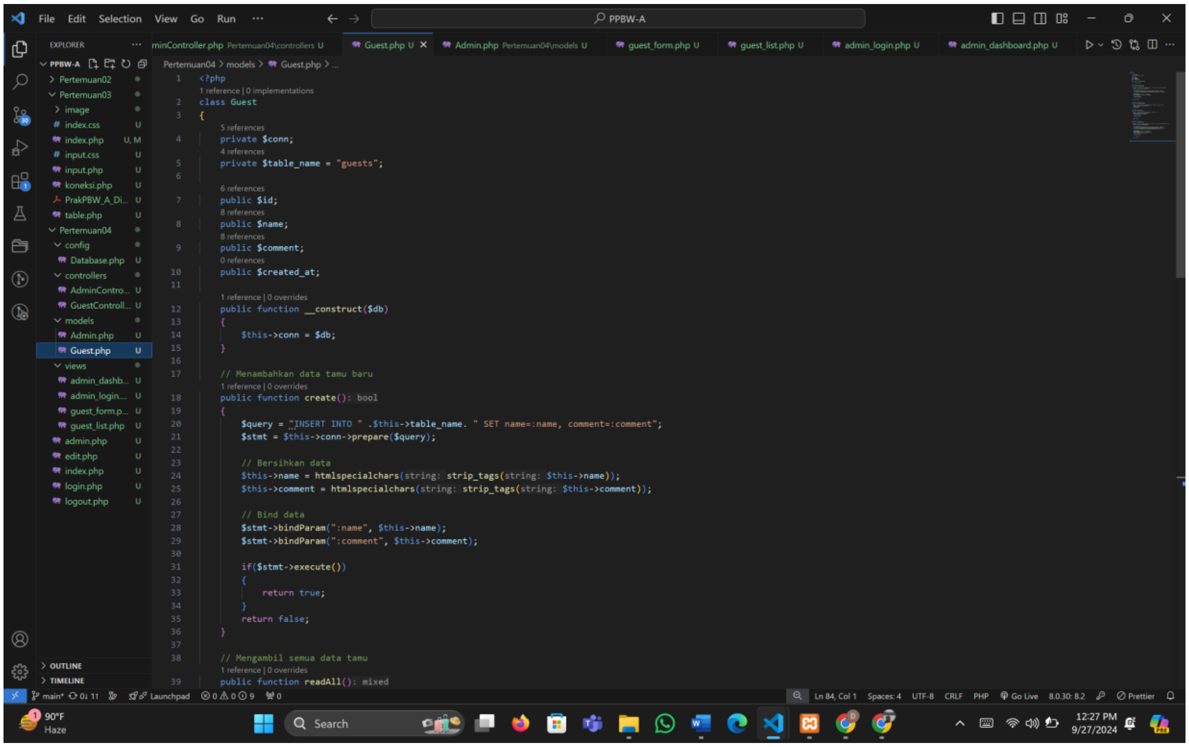
```php
<?php

include_once './config/Database.php';
include_once './models/Guest.php';

class GuestController
{
    private $guest;

    public function __construct()
    {
        $database = new Database();
        $db = $database->getConnection();
        $this->guest = new Guest($db);
    }

    // Fungsi untuk menambahkan tamu baru
    public function create($name, $comment)
    {
        $this->guest->name = $name;
        $this->guest->comment = $comment;
        return $this->guest->create();
    }

    // Fungsi untuk mendapatkan semua data tamu
    public function readAll()
    {
        return $this->guest->readAll();
    }

    // Fungsi untuk menghapus tamu
    public function delete($id)
    {
        $this->guest->id = $id;
        return $this->guest->delete();
    }

    // Fungsi untuk mengupdate tamu
    public function update($id, $name, $comment)
    {
        $this->guest->id = $id;
        $this->guest->name = $name;
        $this->guest->comment = $comment;
        return $this->guest->update();
    }
}

?>
```

# IV. models / Admin.php

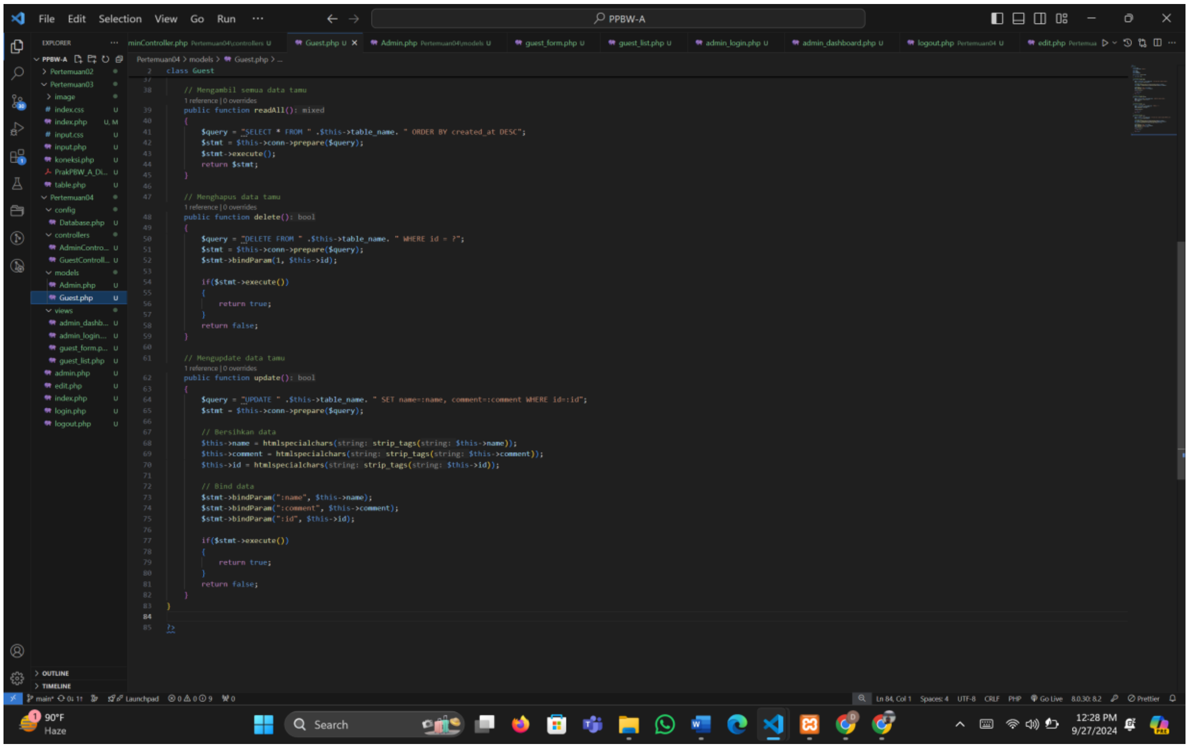


```php
<?php
class Admin
{
    private $conn;
    private $table_name = "admins";

    public $id;
    public $username;
    public $password;

    public function __construct($db)
    {
        $this->conn = $db;
    }

    // Fungsi login admin
    public function login()
    {
        $query = "SELECT * FROM " .$this->table_name. " WHERE username = :username LIMIT 0,1";
        $stmt = $this->conn->prepare($query);

        // Bersihkan data
        $this->username = htmlspecialchars(strip_tags($this->username));

        // Bind data
        $stmt->bindParam(":username", $this->username);
        $stmt->execute();

        $row = $stmt->fetch(PDO::FETCH_ASSOC);

        if($row)
        {
            if(password_verify($this->password, $row['password']))
            {
                $this->id = $row['id'];
                return true;
            }
        }
        return false;
    }
}

?>
```

## V. model / Guest.php

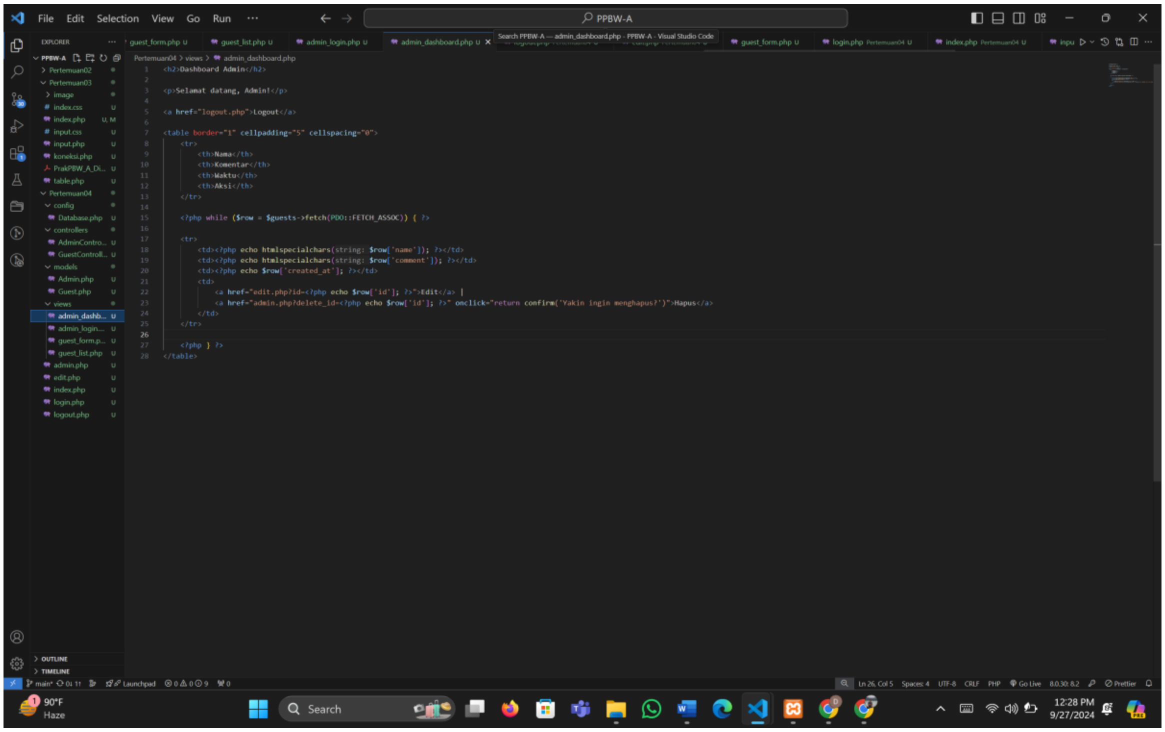


```php
<?php
class Guest
{
    private $conn;
    private $table_name = "guests";

    public $id;
    public $name;
    public $comment;
    public $created_at;

    public function __construct($db)
    {
        $this->conn = $db;
    }

    // Menambahkan data tamu baru
    public function create(): bool
    {
        $query = "INSERT INTO " .$this->table_name. " SET name=:name, comment=:comment";
        $stmt = $this->conn->prepare($query);

        // Bersihkan data
        $this->name = htmlspecialchars(strip_tags($this->name));
        $this->comment = htmlspecialchars(strip_tags($this->comment));

        // Bind data
        $stmt->bindParam(":name", $this->name);
        $stmt->bindParam(":comment", $this->comment);

        if($stmt->execute())
        {
            return true;
        }
        return false;
    }

    // Mengambil semua data tamu
    public function readAll(): mixed
```


File Edit Selection View Go Run ···
PPBW-A
EXPLORER
minController.php Pertemuan04\controllers U
Guest.php U
Admin.php Pertemuan04\models U
guest_form.php U
guest_list.php U
admin_login.php U
admin_dashboard.php U
logout.php Pertemuan04 U
edit.php Pertemua
Pertemuan04 > models > Guest.php > ...
OUTLINE
TIMELINE
main* Launchpad
Ln 84, Col 1 Spaces: 4 UTF-8 CRLF PHP Go Live 8.0.30: 8.2 Prettier
90°F Haze
Search
12:28 PM 9/27/2024

```php
class Guest

    // Mengambil semua data tamu
    public function readAll(): mixed
    {
        $query = "SELECT * FROM " .$this->table_name. " ORDER BY created_at DESC";
        $stmt = $this->conn->prepare($query);
        $stmt->execute();
        return $stmt;
    }

    // Menghapus data tamu
    public function delete(): bool
    {
        $query = "DELETE FROM " .$this->table_name. " WHERE id = ?";
        $stmt = $this->conn->prepare($query);
        $stmt->bindParam(1, $this->id);

        if($stmt->execute())
        {
            return true;
        }
        return false;
    }

    // Mengupdate data tamu
    public function update(): bool
    {
        $query = "UPDATE " .$this->table_name. " SET name=:name, comment=:comment WHERE id=:id";
        $stmt = $this->conn->prepare($query);

        // Bersihkan data
        $this->name = htmlspecialchars(strip_tags($this->name));
        $this->comment = htmlspecialchars(strip_tags($this->comment));
        $this->id = htmlspecialchars(strip_tags($this->id));

        // Bind data
        $stmt->bindParam(":name", $this->name);
        $stmt->bindParam(":comment", $this->comment);
        $stmt->bindParam(":id", $this->id);

        if($stmt->execute())
        {
            return true;
        }
        return false;
    }
}

?>
```

## V. views / admin_dashboard.php



```
<h2>Dashboard Admin</h2>

<p>Selamat datang, Admin!</p>

<a href="logout.php">Logout</a>

<table border="1" cellpadding="5" cellspacing="0">
    <tr>
        <th>Nama</th>
        <th>Komentar</th>
        <th>Waktu</th>
        <th>Aksi</th>
    </tr>

    <?php while ($row = $guests->fetch(PDO::FETCH_ASSOC)) { ?>

    <tr>
        <td><?php echo htmlspecialchars(string: $row['name']); ?></td>
        <td><?php echo htmlspecialchars(string: $row['comment']); ?></td>
        <td><?php echo $row['created_at']; ?></td>
        <td>
            <a href="edit.php?id=<?php echo $row['id']; ?>">Edit</a> |
            <a href="admin.php?delete_id=<?php echo $row['id']; ?>" onclick="return confirm('Yakin ingin menghapus?')">Hapus</a>
        </td>
    </tr>

    <?php } ?>
</table>
```

## VI. views / admin_login.php

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>

<style>
      body {
        font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
        background: linear-gradient(135deg, #667eea 0%, #764ba2 100%);
        margin: 0;
```

```
    padding: 0;
    justify-content: center;
    align-items: center;
    height: 100vh;
}

.container {
    background-color: orange;
    border-radius: 8px;
    box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
    padding: 30px;
    width: 100%;
    max-width: 400px;
    margin: 100px 500px;
}

.kata {
    text-align: center;
    margin-bottom: 20px;
}

h2 {
    color: green;
    margin: 0;
}

.form {
    margin: 10px 0;
```

```
}

.form label {
   display: block;
   margin-bottom: 5px;
   color: #555;
}

.form input[type="text"],
.form textarea {
   width: 100%;
   padding: 8px;
   margin-bottom: 15px;
   border: 1px solid #ddd;
   border-radius: 4px;
   box-sizing: border-box;
}

.form input[type="password"],
.form textarea {
   width: 100%;
   padding: 8px;
   margin-bottom: 15px;
   border: 1px solid #ddd;
   border-radius: 4px;
   box-sizing: border-box;
}
```

```
        .form textarea {
            resize: vertical;
        }

        .form input[type="submit"] {
            background-color: #4CAF50;
            color: white;
            border: none;
            padding: 10px 20px;
            border-radius: 4px;
            cursor: pointer;
            font-size: 16px;
            transition: background-color 0.3s;
            width: 100%;
        }

        .form input[type="submit"]:hover {
            background-color: #45a049;
        }
</style>

<body>
    <div class="container">
        <div class="kata">
            <h2>Login Admin</h2>
        </div>

        <div class="form">
```

```
            <form action="login.php" method="post">
                <label for="username">Username:</label><br>
                <input type="text" name="username" required><br><br>
                <label for="password">Password:</label><br>
                <input type="password" name="password" required><br><br>
                <input type="submit" value="Login">
            </form>
        </div>
    </div>

</body>
</html>
```

## VII. views / guest_form.php

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Form</title>
</head>
<style>
        body {
            font-family: Arial, sans-serif;
            background-color: #f0f0f0;
            margin: 0;
            padding: 0;
            justify-content: center;
            align-items: center;
            min-height: 100vh;
        }

        .container {
            background-color: orange;
            border-radius: 8px;
            box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
            padding: 30px;
            width: 100%;
            max-width: 400px;
            margin: 100px 500px;
        }

        .kata {
            text-align: center;
            margin-bottom: 20px;
        }

        h2 {
            color: green;
            margin: 0;
        }

        .form {
            margin: 10px 0;
        }
```

```
.form label {
  display: block;
  margin-bottom: 5px;
  color: #555;
}

.form input[type="text"],
.form textarea {
  width: 100%;
  padding: 8px;
  margin-bottom: 15px;
  border: 1px solid #ddd;
  border-radius: 4px;
  box-sizing: border-box;
}

.form textarea {
  resize: vertical;
}

.form input[type="submit"] {
  background-color: #4CAF50;
  color: white;
  border: none;
  padding: 10px 20px;
  border-radius: 4px;
  cursor: pointer;
  font-size: 16px;
```

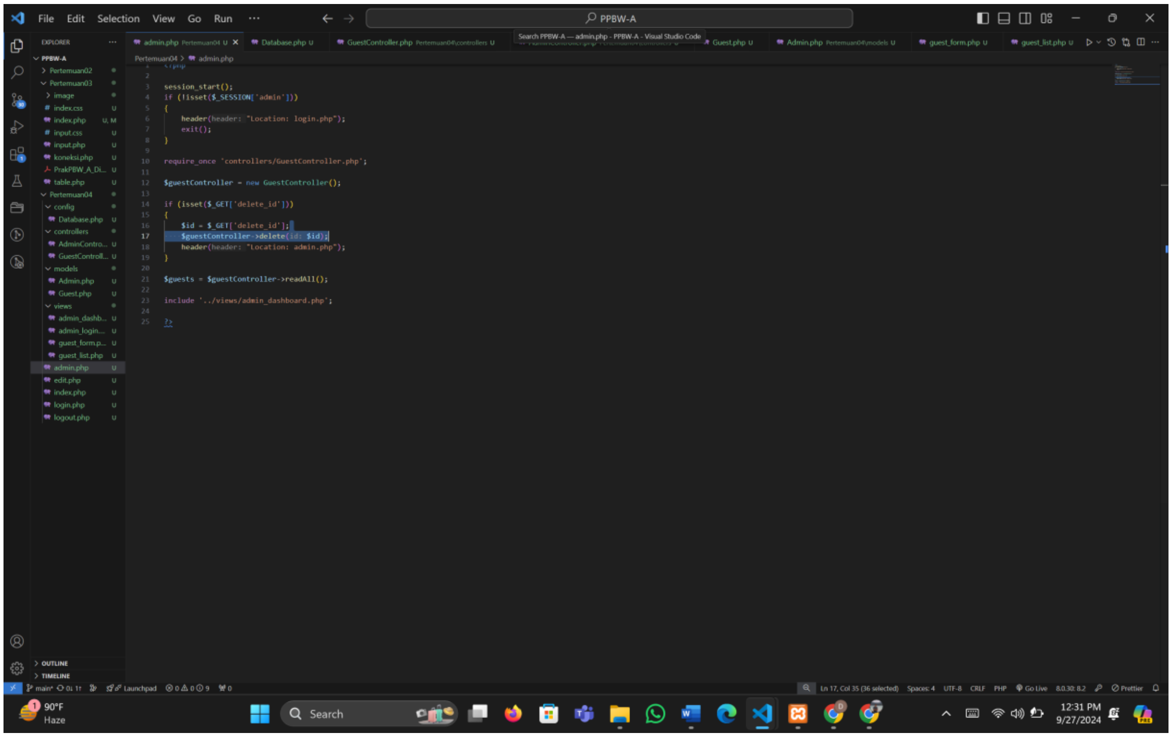
```
            transition: background-color 0.3s;
            width: 100%;
        }

        .form input[type="submit"]:hover {
            background-color: #45a049;
        }
</style>

<body>
    <div class="container">
        <div class="kata">
            <h2>Selamat Datang di Buku Tamu</h2>
        </div>

        <div class="form">
            <form action="index.php" method="post">
                <label for="name">Nama:</label><br>
                <input type="text" name="name" required><br><br>
                <label for="comment">Komentar:</label><br>
                <textarea name="comment" rows="5" required></textarea><br><br>
                <input type="submit" value="Kirim">
            </form>
        </div>
    </div>
</body>
</html>
```

**VIII. models / guest_list.php**

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>

<style>
    body {
      font-family: Arial, sans-serif;
      line-height: 1.6;
      margin: 0;
      padding: 20px;
      background-color: #f4f4f4;
    }
    h3 {
      color: #333;
    }
    table {
      width: 100%;
      border-collapse: collapse;
      margin-top: 20px;
      background-color: #fff;
      box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
      text-align: center;
```

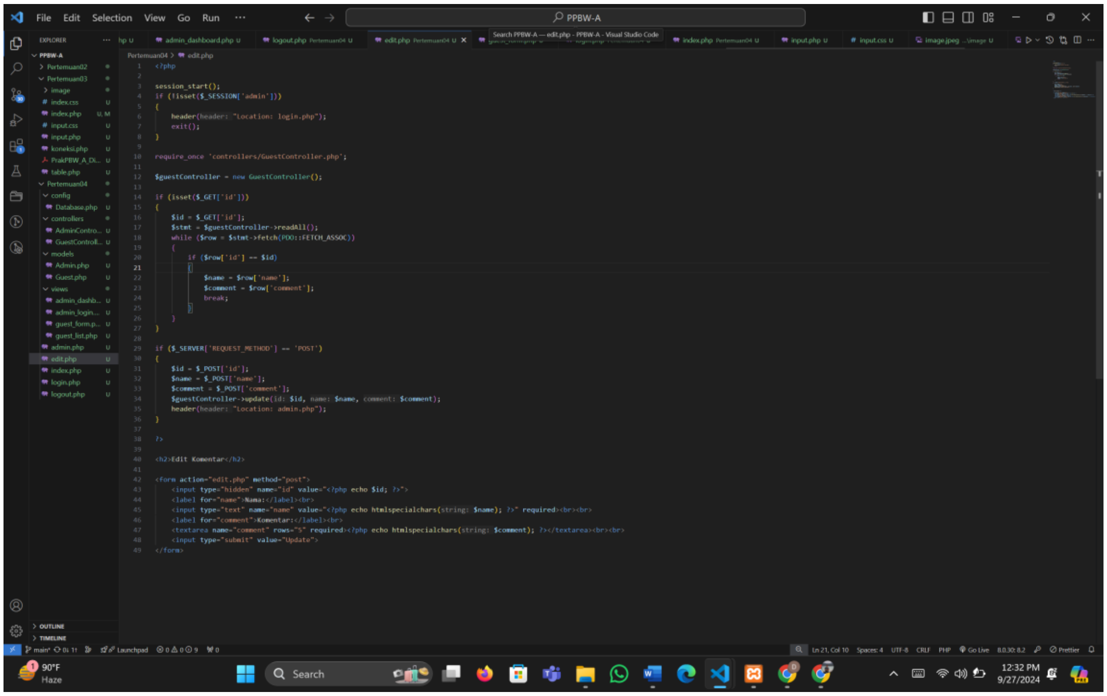
```
        }
        th, td {
            padding: 12px;
            text-align: left;
            border-bottom: 1px solid #ddd;
        }
        th {
            background-color: #f2f2f2;
            font-weight: bold;
            color: #333;
        }
        tr:hover {
            background-color: #f5f5f5;
        }
</style>

<body>
<h3>Daftar Komentar</h3>

<table border="1" cellpadding="5" cellspacing="0">

    <tr>
        <th>Nama</th>
        <th>Komentar</th>
        <th>Waktu</th>
    </tr>

    <?php while ($row = $guests->fetch(PDO::FETCH_ASSOC)) { ?>
    <tr>
        <td><?php echo htmlspecialchars($row['name']); ?></td>
        <td><?php echo htmlspecialchars($row['comment']); ?></td>
        <td><?php echo $row['created_at']; ?></td>
    </tr>

    <?php } ?>
</table>
</body>
</html>
```

## IX. admin.php



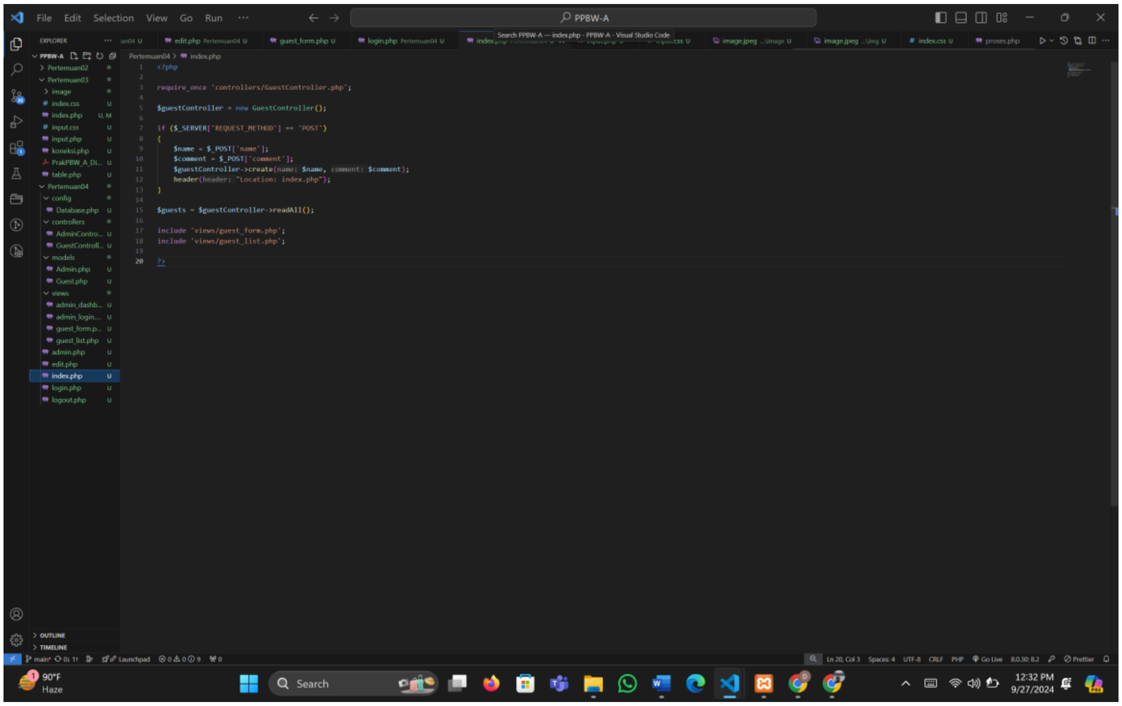
```
<?php

session_start();
if (!isset($_SESSION['admin']))
{
    header("Location: login.php");
    exit();
}

require_once 'controllers/GuestController.php';

$guestController = new GuestController();

if (isset($_GET['delete_id']))
{
    $id = $_GET['delete_id'];
    $guestController->delete($id);
    header("Location: admin.php");
}

$guests = $guestController->readAll();

include '../views/admin_dashboard.php';

?>
```

## X. edit.php



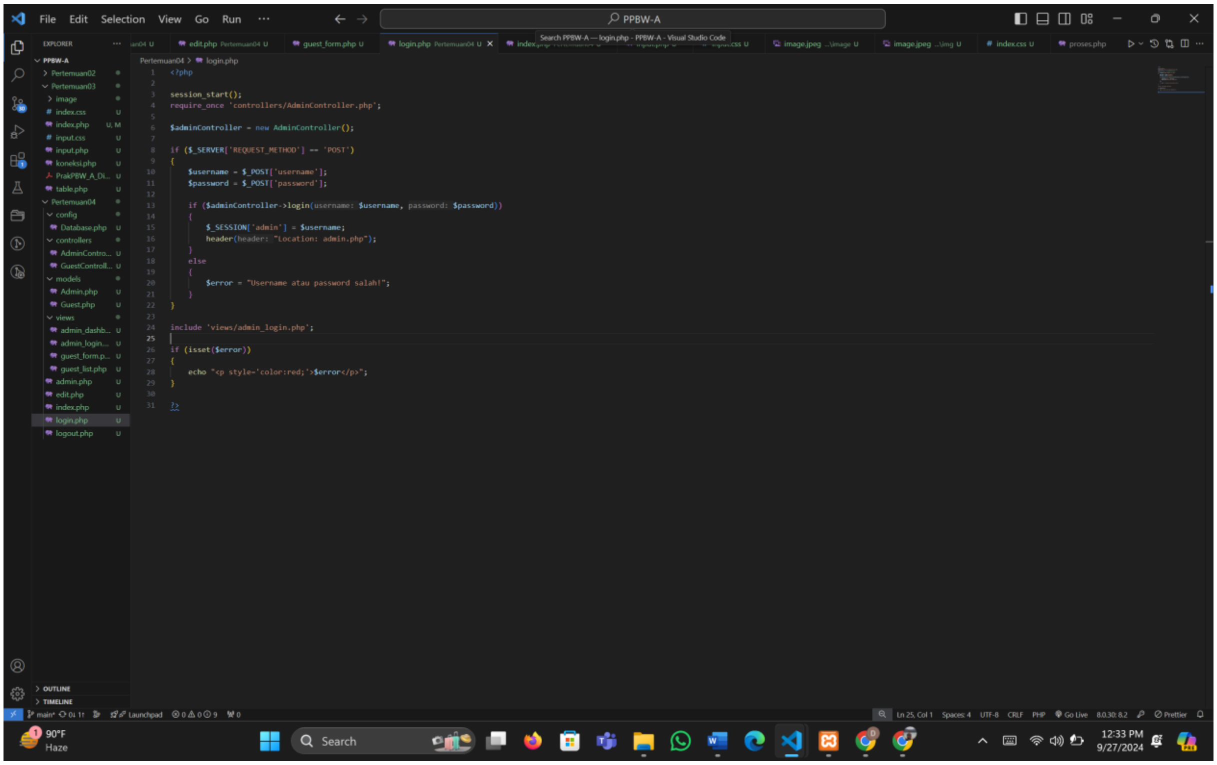
```php
<?php

session_start();
if (!isset($_SESSION['admin']))
{
    header(header: "Location: login.php");
    exit();
}

require_once 'controllers/GuestController.php';

$guestController = new GuestController();

if (isset($_GET['id']))
{
    $id = $_GET['id'];
    $stmt = $guestController->readAll();
    while ($row = $stmt->fetch(PDO::FETCH_ASSOC))
    {
        if ($row['id'] == $id)
        {
            $name = $row['name'];
            $comment = $row['comment'];
            break;
        }
    }
}

if ($_SERVER['REQUEST_METHOD'] == 'POST')
{
    $id = $_POST['id'];
    $name = $_POST['name'];
    $comment = $_POST['comment'];
    $guestController->update(id: $id, name: $name, comment: $comment);
    header(header: "Location: admin.php");
}

?>

<h2>Edit Komentar</h2>

<form action="edit.php" method="post">
    <input type="hidden" name="id" value="<?php echo $id; ?>">
    <label for="name">Nama:</label><br>
    <input type="text" name="name" value="<?php echo htmlspecialchars(string: $name); ?>" required><br><br>
    <label for="comment">Komentar:</label><br>
    <textarea name="comment" rows="5" required><?php echo htmlspecialchars(string: $comment); ?></textarea><br><br>
    <input type="submit" value="Update">
</form>
```

## XI. index.php



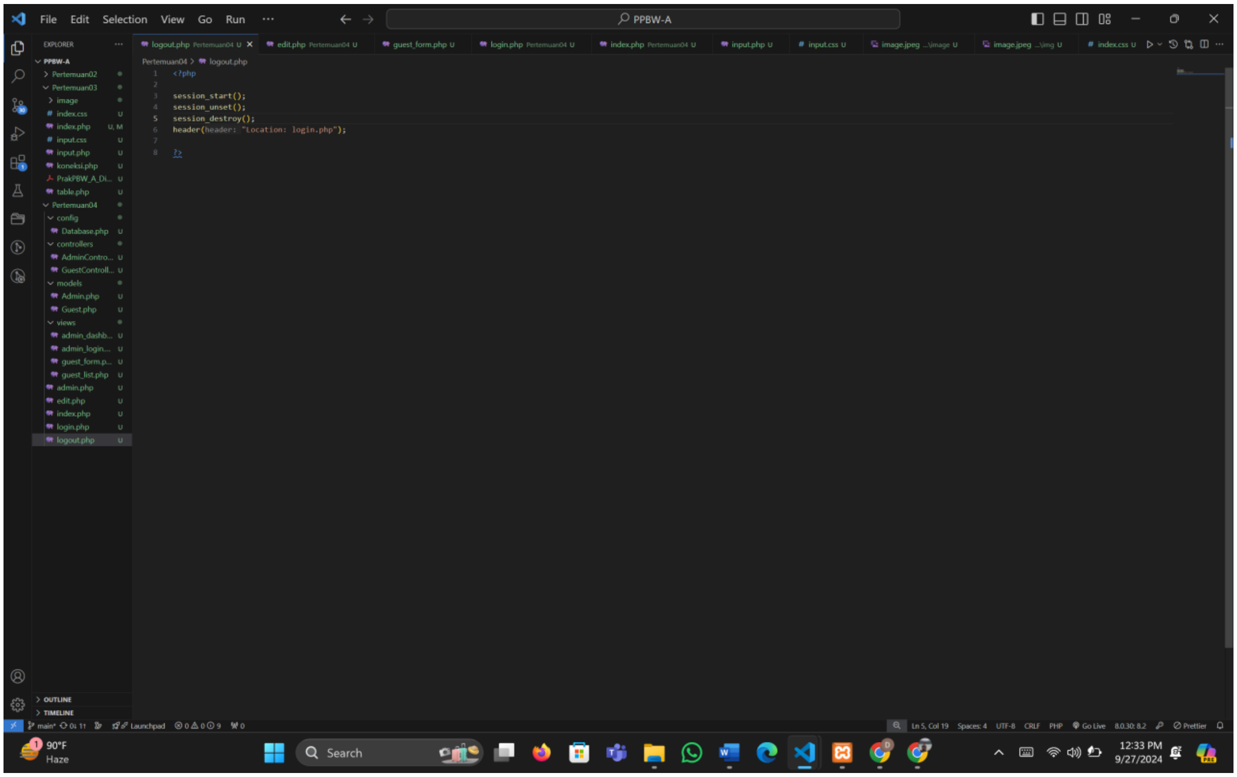
```php
<?php

require_once 'controllers/GuestController.php';

$guestController = new GuestController();

if ($_SERVER['REQUEST_METHOD'] == 'POST')
{
    $name = $_POST['name'];
    $comment = $_POST['comment'];
    $guestController->create(name: $name, comment: $comment);
    header(header: "Location: index.php");
}

$guests = $guestController->readAll();

include 'views/guest_form.php';
include 'views/guest_list.php';

?>
```

## XII. Login.php



```php
<?php

session_start();
require_once 'controllers/AdminController.php';

$adminController = new AdminController();

if ($_SERVER['REQUEST_METHOD'] == 'POST')
{
    $username = $_POST['username'];
    $password = $_POST['password'];

    if ($adminController->login(username: $username, password: $password))
    {
        $_SESSION['admin'] = $username;
        header(header: "Location: admin.php");
    }
    else
    {
        $error = "Username atau password salah!";
    }
}

include 'views/admin_login.php';

if (isset($error))
{
    echo "<p style='color:red;'>$error</p>";
}

?>
```

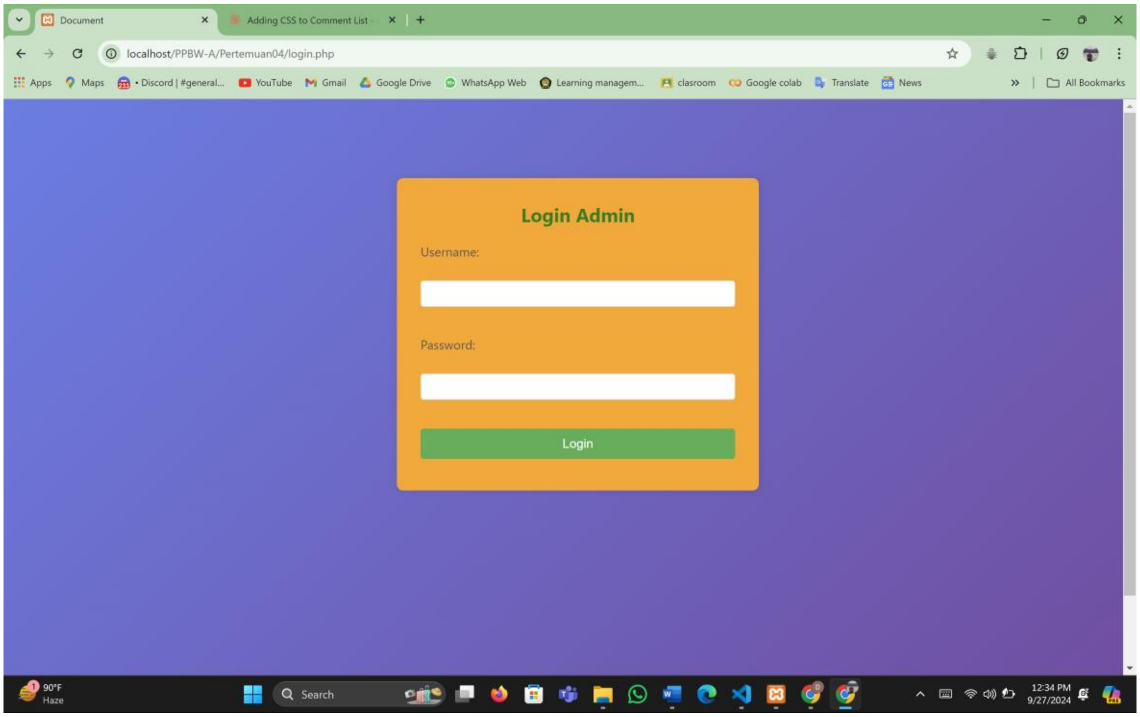
## XIII. Logout.php



```php
<?php

session_start();
session_unset();
session_destroy();
header(header: "Location: login.php");

?>
```

# B. Screen Shoot Hasil Running Program

## A. Login Admin



Document
Adding CSS to Comment List
localhost/PPBW-A/Pertemuan04/login.php
Apps · Maps · Discord | #general... · YouTube · Gmail · Google Drive · WhatsApp Web · Learning managem... · clasroom · Google colab · Translate · News · All Bookmarks
90°F Haze
Search
12:34 PM 9/27/2024

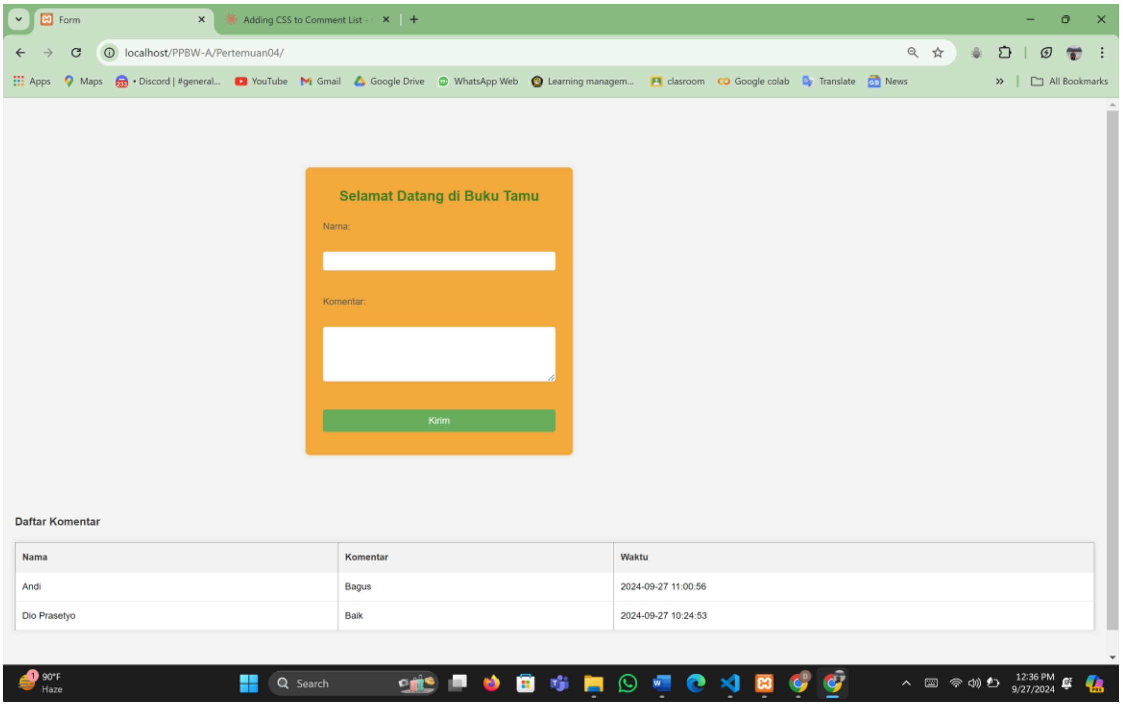
Login Admin

Username:

Password:

Login

## B. Login User



Form
Adding CSS to Comment List
localhost/PPBW-A/Pertemuan04/
Apps · Maps · Discord | #general... · YouTube · Gmail · Google Drive · WhatsApp Web · Learning managem... · clasroom · Google colab · Translate · News · All Bookmarks
90°F Haze
Search
12:36 PM 9/27/2024

Selamat Datang di Buku Tamu

Nama:

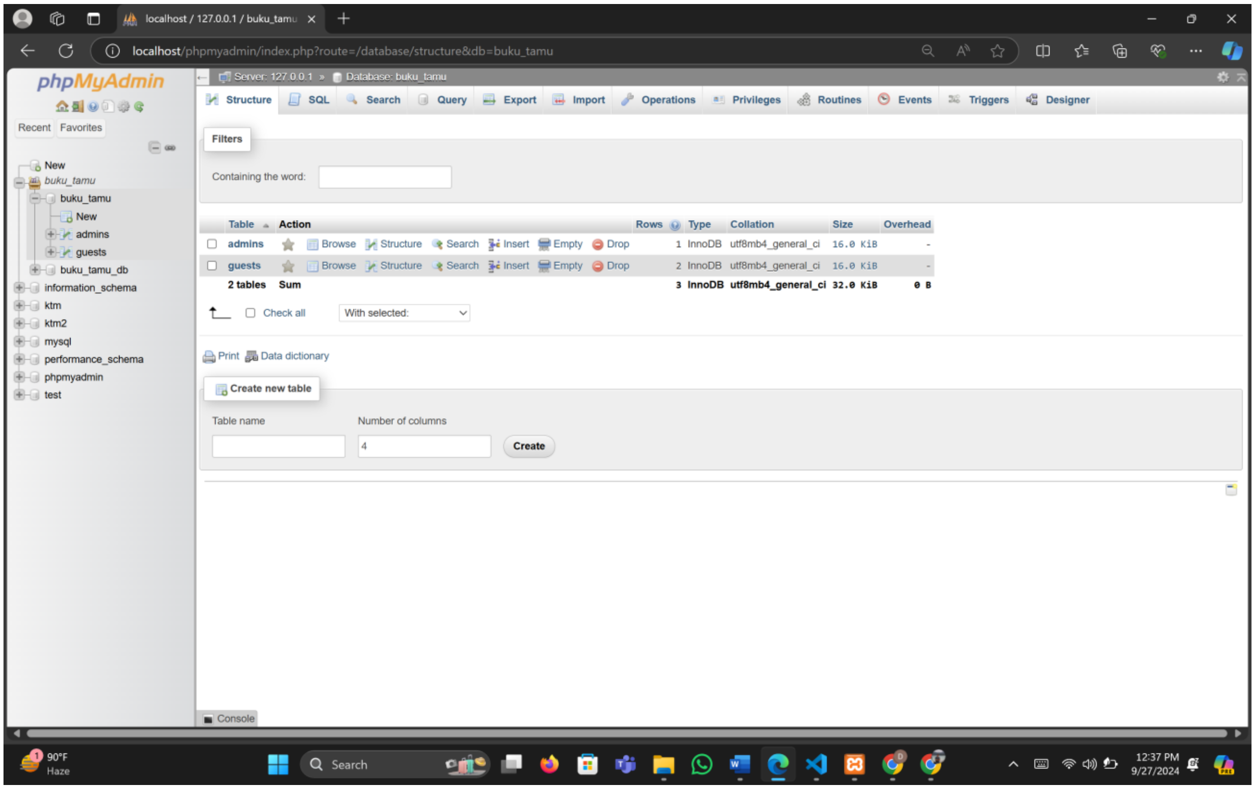
Komentar:

Kirim

Daftar Komentar

| Nama | Komentar | Waktu |
|---|---|---|
| Andi | Bagus | 2024-09-27 11:00:56 |
| Dio Prasetyo | Baik | 2024-09-27 10:24:53 |

## C. PHP MYAdmin (database)



localhost/phpmyadmin/index.php?route=/database/structure&db=buku_tamu

Server: 127.0.0.1 » Database: buku_tamu

Containing the word:

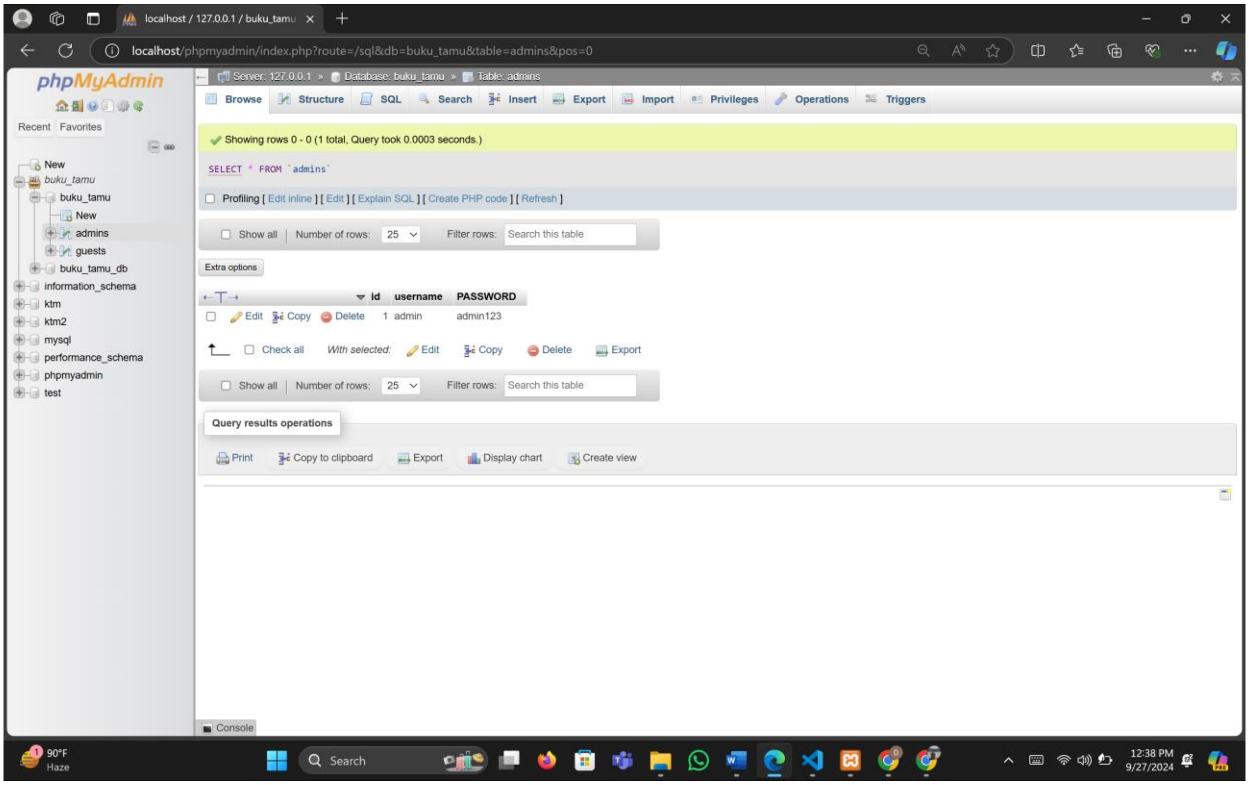
| | Table | Action | | | | | | | Rows | Type | Collation | Size | Overhead |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| □ | admins | ☆ | Browse | Structure | Search | Insert | Empty | Drop | 1 | InnoDB | utf8mb4_general_ci | 16.0 KiB | - |
| □ | guests | ☆ | Browse | Structure | Search | Insert | Empty | Drop | 2 | InnoDB | utf8mb4_general_ci | 16.0 KiB | - |
| | 2 tables | Sum | | | | | | | 3 | InnoDB | utf8mb4_general_ci | 32.0 KiB | 0 B |

□ Check all    With selected:

Table name

Number of columns: 4

12:37 PM
9/27/2024



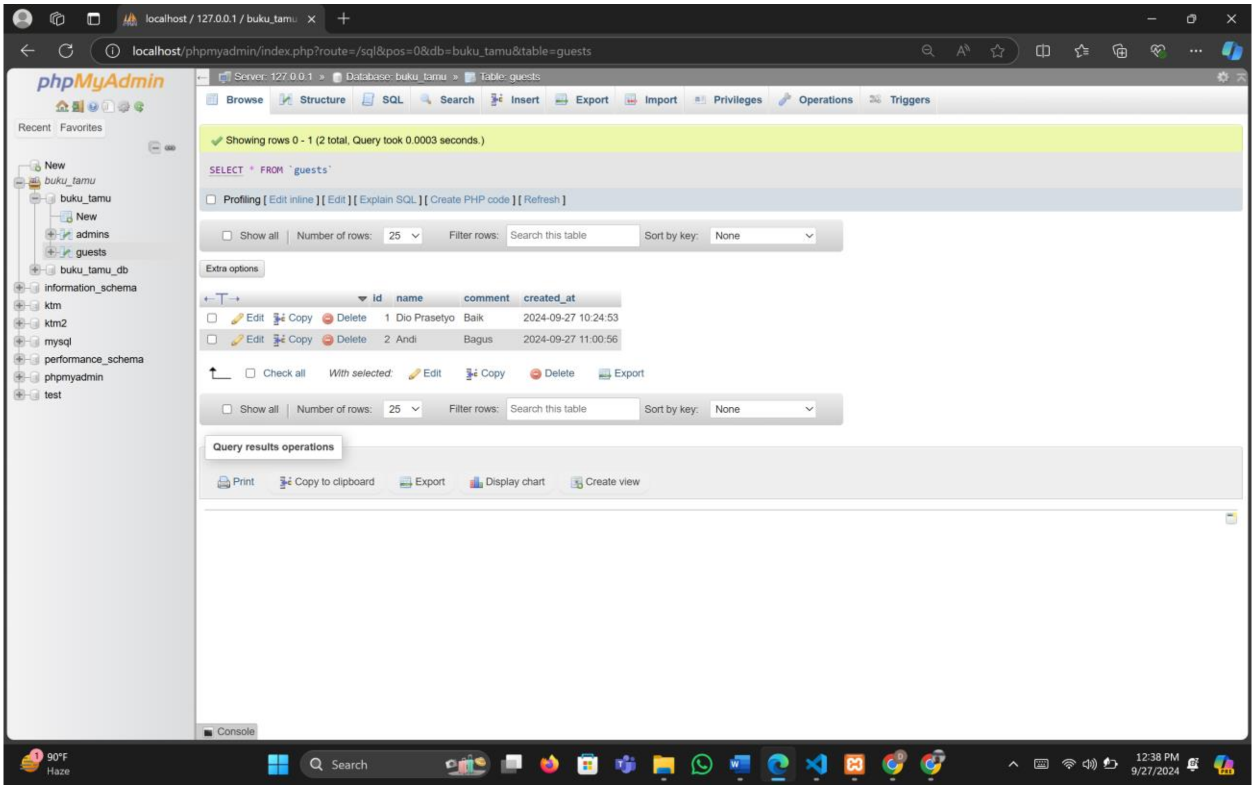
localhost/phpmyadmin/index.php?route=/sql&db=buku_tamu&table=admins&pos=0

Showing rows 0 - 0 (1 total, Query took 0.0003 seconds.)

```
SELECT * FROM `admins`
```

□ Show all | Number of rows: 25 | Filter rows: Search this table

| id | username | PASSWORD |
|---|---|---|
| 1 | admin | admin123 |



localhost/phpmyadmin/index.php?route=/sql&pos=0&db=buku_tamu&table=guests

Showing rows 0 - 1 (2 total, Query took 0.0003 seconds.)

```
SELECT * FROM `guests`
```

□ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

| id | name | comment | created_at |
|---|---|---|---|
| 1 | Dio Prasetyo | Baik | 2024-09-27 10:24:53 |
| 2 | Andi | Bagus | 2024-09-27 11:00:56 |