LAPORAN

PRAKTIKUM PENGEMBANGAN BERBASIS PLATFORM B2

PRAKTIKUM MANAJEMEN PENGEMBANGAN BERBASIS PLATFORM KE-4

Abyan Ardiatama (24060120140161)

Asisten Praktikum Lab B2:

- Robertus Agung Setiawan   (24060119130067)
- Bagaspranawa Tirta Buana (24060119130094)

PRODI S-1 INFORMATIKA

FAKULTAS SAINS DAN MATEMATIKA

UNIVERSITAS DIPONEGORO

SEMARANG

2022

1. Buatlah file untuk CRUD data berikut:

• view_customer.php, untuk menampilkan data pelanggan

```
<!--Abyan Ardiatama-->
<!--24060120140161-->
<!--Praktikum PBP 4-->

<!doctype html>
<html lang="en">
<head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <title>view_customer</title>
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.1/dist/css/bootstrap.min
.css" rel="stylesheet"
integrity="sha384-iYQeCzEYFbKjA/T2uDLTpkwGzCiq6soy8tYaI1GyVh/UjpbCx/TYkiZ
hlZB6+fzT" crossorigin="anonymous">
</head>

<body>
<div class="container">
<div class="card mt-4">
<div class="card-header">Customers Data</div>
<div class="card-body">
<br>
<a class="btn btn-primary" href="add_customer2.php">+ Add Customer
Data</a><br /><br />
<table class="table table-striped">
    <tr>
    <th>No</th>
    <th>Name</th>
    <th>Address</th>
    <th>City</th>
    <th>Action</th>
    </tr>

<?php
    // include our login information
    session_start(); //inisialisasi session saat ini berdasarkan
pengidentifikasi sesi yang diteruskan melalui permintaan GET atau POST
    require_once('db_login.php'); // memanggil halaman
    // execute the query
    $query = " SELECT * FROM customers ORDER BY customerid "; //Klausa
ORDER BY digunakan untuk mengurutkan hasil-set dalam urutan menaik atau
menurun
    $result = $db->query($query);
    if (!$result){
        die ("Could not the query the database: <br />" . $db->error
."<br>Query: " . $query);
    }
```

```php
    // fetch and display the results
    $i = 1;
    while ($row = $result->fetch_object()){ // fetch_object-> fungsi
mengembalikan baris saat ini dari kumpulan hasil, sebagai objek atau
keluaran.
        echo '<tr>';
        // Nama (.$row->name.), (.$row->address.), (.$row->city.) harus
sesuai dengan nama di database
        echo '<td>' .$i. '</td>';
        echo '<td>' .$row->name. '</td>';
        echo '<td>' .$row->address. '</td>';
        echo '<td>' .$row->city. '</td>';
        echo '<td><a class="btn btn-warning btn-sm"
href="edit_customer.php?id='.$row->customerid.'">Edit</a>  
    <a class="btn btn-danger btn-sm"
href="confirm_delete_customer.php?id='.$row->customerid.'">Delete</a>
        </td>';
        echo '</tr>';
        $i++;
    }
    echo '</table>';
    echo '<br />';
    echo 'Total Rows = ' .$result->num_rows;
    $result->free();
    $db->close();
    ?>
    <br><br>
    <a class="btn btn-primary" href="logout.php">Logout</a>
</div>
</div>
</div>
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.1/dist/js/bootstrap.bundl
e.min.js"
integrity="sha384-u1OknCvxWvY5kfmNBILK2hRnQC3Pr17a+RTT6rIHI7NnikvbZlHgTPO
OmMi466C8" crossorigin="anonymous">
    </script>
</body>
</html>
```

• edit_customer.php, untuk edit data pelanggan

```php
<!--Abyan Ardiatama-->
<!--24060120140161-->
<!--Praktikum PBP 4-->
<?php
//File : edit_customer.php
//Deskripsi : menampilkan form edit data customer dan mengupdate ke
database
```

```php
require_once('db_login.php');
$id = $_GET['id']; //mendapatkan customerid yang dilewatkan ke url

// mengecek apakah user belum menekan tombol submit
if (!isset($_POST["submit"])){
    $query = " SELECT * FROM customers WHERE customerid=" .$id. " ";
    //execute the query
    $result = $db->query($query);
    if (!$result){
        die ("Could not the query database: <br />" . $db->error);
    } else {
        while ($row = $result->fetch_object()){
            $name = $row->name;
            $address = $row->address;
            $city = $row->city;
        }
    }
} else{

    $valid = TRUE; //flag validasi
    $name = test_input($_POST['name']);
    if ($name == ''){
        $error_name = "Name is required";
        $valid = FALSE;
    } else if (!preg_match("/^[a-zA-Z ]*$/", $name)){
        $error_name = "Only letters and white space allowed";
        $valid = FALSE;
    }

    $address = test_input($_POST['address']);
    if ($address == ''){
        $error_address = "Address is required";
        $valid = FALSE;
    }

    $city = $_POST['city'];
    if ($city == '' || $city == 'none'){
        $error_city = "City is required";
        $valid = FALSE;
    }

    //update data into database
    if ($valid){
        //asign a query
        $query = " UPDATE customers SET name='".$name."',
address='".$address."', city='".$city."' WHERE customerid=".$id." ";
        //execute the query
        $result = $db->query($query);
        if (!$result){
            die ("Could not the query the database: <br />" . $db->error
. '<br>Query:' .$query);
        } else{
            //ketika sudah di submit , maka akan langsung pindah ke
```

halaman view_customer.php

```php
            $db->close();
            header('Location: view_customer.php');
        }
    }
}
?>
```

```html
<!doctype html>
<html lang="en">
<head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <title>edit_customer</title>
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.1/dist/css/bootstrap.min
.css" rel="stylesheet"
integrity="sha384-iYQeCzEYFbKjA/T2uDLTpkwGzCiq6soy8tYaI1GyVh/UjpbCx/TYkiZ
hlZB6+fzT" crossorigin="anonymous">
</head>

<body>
    <br>
    <div class="container">
    <div class="card">
    <div class="card-header">Edit Customers Data</div>
    <div class="card-body">
    <form method="POST" autocomplete="on" action="<?php echo
htmlspecialchars($_SERVER["PHP_SELF"]).'?id=' .$id; ?>">
    <div class="form-group">
    <label for="name">Nama:</label>
    <input type="text" class="form-control" id="name" name="name"
value="<?php echo $name;?>">
    <!-- Fungsi isset() memeriksa apakah suatu variabel disetel, yang
berarti variabel tersebut harus dideklarasikan dan bukan NULL. -->
    <div class="text-danger"><?php if (isset($error_name)) echo
$error_name;?></div>
    </div>

    <div class="form-group">
    <label for="address">Address:</label>
    <textarea class="form-control" id="address" name="address"
rows="5"><?php echo $address;?></textarea>
    <div class="text-danger"><?php if (isset($error_address)) echo
$error_address;?></div>
    </div>

    <div class="form-group">
    <label for="city">City:</label>
    <select name="city" id="city" class="form-control" required>
    <option value="none" <?php if (isset($city)) echo
'selected="true"';?>>--Select a city--</option>
    <option value="Airport West" <?php if (isset($city) &&
```

```
$city=="Airport West") echo 'selected="true"';?>>Airport West</option>
    <option value="Box Hill" <?php if (isset($city) && $city=="Box Hill")
echo 'selected="true"';?>>Box Hill</option>
    <option value="Yarravile" <?php if (isset($city) &&
$city=="Yarravile") echo 'selected="true"';?>>Yarravile</option>
    </select>
    <div class="text-danger"><?php if(isset($error_city)) echo
$error_city;?></div>
    </div>
    <br>
    <button type="submit" class="btn btn-primary" name="submit"
value="submit">Submit</button>
    <a href="view_customer.php" class="btn btn-secondary">Cancel</a>
    </form>
    </div>
    </div>
    </div>
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.1/dist/js/bootstrap.bundl
e.min.js"
integrity="sha384-u1OknCvxWvY5kfmNBILK2hRnQC3Pr17a+RTT6rIHI7NnikvbZlHgTPO
OmMi466C8" crossorigin="anonymous">
    </script>
</body>
</html>
<?php
$db->close();
?>
```

• add_customer.php, untuk menambah data customer baru

```
<!--Abyan Ardiatama-->
<!--24060120140161-->
<!--Praktikum PBP 4-->

<?php
  require_once('./db_login.php');

  $valid = TRUE;

  if (isset($_POST["submit"])) {
    $name = test_input($_POST['name']);

    if ($name == '') {
      $error_name = "Name is required";
      $valid = FALSE;
    } else {
      if (!preg_match("/^[a-zA-Z ]*$/", $name)) {
        $error_name = "Only letters and white space allowed";
        $valid = FALSE;
```

```php
        }
    }

    $address = test_input($_POST['address']);

    if ($address == '') {
      $error_address = "Address is required";
      $valid = FALSE;
    }

    $city = $_POST['city'];

    if ($city == '' || $city == 'none') {
      $error_city = "City is required";
      $valid = FALSE;
    }

    //insert data into database
    if ($valid) {
      //escape inputs data
      $name = $db->real_escape_string($name);
      $address = $db->real_escape_string($address);
      $city = $db->real_escape_string($city);
      $query = " INSERT INTO customers (name, address, city) VALUES('" .
$name . "','" . $address . "','" . $city . "') "; //Asign a query
      $result = $db->query( $query ); // Execute the query

      if (!$result) {
          die ("Could not query the database: <br />". $db->error. 'query =
' . $query);
      } else {
          header('Location: view_customer.php');
      }

      $db->close(); //close db connection
    }
  }
?>

<!DOCTYPE HTML>
<html>

<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">

  <!-- Latest compiled and minified CSS -->
  <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/css/bootstrap.min
.css" rel="stylesheet"
integrity="sha384-F3w7mX95PdgyTmZZMECAngseQB83DfGTowi0iMjiWaeVhAn4FJkqJBy
hZMI3AhiU" crossorigin="anonymous">
```

```html
  <title>Form</title>
</head>

<body>
    <div class="container">
    <div class="card">
    <div class="card-header">Add Customers Data</div>
    <div class="card-body">
    <br>
    <form method="POST" autocomplete="on" action="<?php echo
htmlspecialchars($_SERVER["PHP_SELF"]);?>">
        <div class="form-group">
        <label for="name">Nama:</label>
        <input type="text" class="form-control" id="name" name="name"
maxlength="50">
        <div class="error"><?php if(isset($error_name)) echo
$error_name;?></div>
        </div>
        <div class="form-group">
        <label for="address">Address:</label>
        <textarea class="form-control" id="address" name="address"
rows="5" cols="30" placeholder="Address (max 100 characters)"></textarea>
        <div class="error"><?php if(isset($error_address)) echo
$error_address;?></div>
        </div>
        <div class="form-group">
        <label for="city">City:</label>
        <select name="city" id="city" class="form-control" required>
            <option value="none" <?php if (!isset($city)) echo
'selected="true"';?>>--Select a city--</option>
            <option value="Airport West" <?php if (isset($city) &&
$city=="Airport West") echo 'selected="true"';?>>Airport West</option>
            <option value="Box Hill" <?php if (isset($city) &&
$city=="Box Hill") echo 'selected="true"'; ?>>Box Hill</option>
            <option value="Yarraville" <?php if (isset($city) &&
$city=="Yarraville") echo 'selected="true"'; ?>>Yarraville</option>
        </select>
        <div class="error"><?php if(isset($error_city)) echo
$error_city;?></div>
        </div>
        <br>
        <button type="submit" class="btn btn-primary" name="submit"
value="submit">Submit</button> 
        <a href="view_customer.php" class="btn btn-secondary">Cancel</a>
    </form>
    </div>
    </div>
    </div>
    </body>

    </html>
```

• delete_customer.php, untuk menghapus data customer tertentu.

```php
<?php
  $id = $_GET['id'];

  require_once('./db_login.php'); // Include our login information

  $query = " DELETE FROM customers WHERE customerid=" . $id . " "; //
Asign a query
  $result = $db->query( $query ); // Execute the query

  if (!$result) {
    die ("Could not query the database: <br />". $db->error);
  } else {
    $db->close();
    header('Location: view_customer.php');
  }

  $db->close(); // close db connection
?>
```

2. Buatlah file untuk login seperti berikut:

• login.php seperti pada contoh di modul ini, jika berhasil redirect ke halaman

view_customer.php.

```php
<!--Abyan Ardiatama-->
<!--24060120140161-->
<!--Praktikum PBP 4-->

<?php
//File         : login.php
//Deksripsi    : menampilkan form login dan memvalidasi username dan
password ke halaman admin.php

session_start();
require_once('db_login.php');

//cek apakah user sudah submit form
if(!isset($_POST['submit'])){
    $valid = TRUE; //flag validasi
    //cek validasi email
    $email = test_input($_POST['email']);
    if($email == ''){
        $error_email = "Email is required";
        $valid = FALSE;
    }elseif(!filter_var($email, FILTER_VALIDATE_EMAIL)){
        $error_email = "Invalid email format";
        $valid = FALSE;
    }
    //cek validasi password
```

```php
    $password = test_input($_POST['password']);
    if($password == ''){
        $error_password = "Password is required";
        $valid = FALSE;
    }

    //cek validasi
    if($valid){
        //assign a query
        $query = "SELECT * FROM admin WHERE email='".$email."' AND
password='".$password."'";
        //execute the query
        $result = $db->query($query);
        if(!$result){
            die("Could not query the database: <br />". $db->error);
        }else{
            if($result->num_rows > 0){ //login berhasil
                $_SESSION['username'] = $email;
                header('Location: admin.php');
                exit;
            }else{ //login gagal
                echo '<span class="error">Combination of username and
password are not correct.</span>';
            }
        }
        //close db connection
        $db->close();
    }
}
?>
<!doctype html>
<html lang="en">
<head>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
<title>login.php</title>
<link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.1/dist/css/bootstrap.min
.css" rel="stylesheet"
integrity="sha384-iYQeCzEYFbKjA/T2uDLTpkwGzCiq6soy8tYaI1GyVh/UjpbCx/TYkiZ
hlZB6+fzT" crossorigin="anonymous">
</head>
<body>
        <div class="container">
        <div class="card">
        <div class="card-header">Login Form</div>
        <div class="card-body">

        <form method="POST" autocomplete="on" action="<?php echo
htmlspecialchars($_SERVER["PHP_SELF"]);?>">
        <div class="form-group">
            <label for="email">Email</label>
                <input type="text" class="form-control" id="email"
```

```
name="email" size="30" value="<?php if(isset($email)) echo $email; ?>">
            <div class="text-danger"><?php if(isset($error_email)) echo
$error_email; ?></div>
        </div>
        <div class="form-group">
            <label for="password">Password</label>
                <input type="password" class="form-control" id="password"
name="password" placeholder="Password">
            <div class="text-danger"><?php if(isset($error_password))
echo $error_password; ?></div>
        </div>
        <button type="submit" class="btn btn-primary"
name="submit">Login</button>
        </form>
        </div>
        </div>
        </div>
</body>
```

• Tambahkan penanganan pada file view_customer.php sehingga file tersebut hanya dibuka oleh admin setelah berhasil login.

```
if (!isset($_SESSION['username'])){
    header('Location: login.php');
}
```

• Tambahkan link logout pada file view_customer.php untuk melakukan logout, lalu buatlah file logout.php seperti pada contoh di modul.

```
<a class="btn btn-primary" href="logout.php">Logout</a>
```

```
<!--Abyan Ardiatama-->
<!--24060120140161-->
<!--Praktikum PBP 4-->
<?php
//File: logout.php
//Deskripsi: untuk logout (menghapus session yang dibuat saat login)

session_start();
if (isset($_SESSION['username'])){
    unset($_SESSION['username']);
    session_destroy();
}
header('Location: login.php');
?>
```

3. Buatlah file-file berikut untuk memproses shopping cart seperti yang dicontohkan di modul:

• view_books.php

```
<!--Abyan Ardiatama-->
<!--24060120140161-->
<!--Praktikum PBP 4-->

<!doctype html>
<html lang="en">
  <head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <title>view_books</title>
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.1/dist/css/bootstrap.min
.css" rel="stylesheet"
integrity="sha384-iYQeCzEYFbKjA/T2uDLTpkwGzCiq6soy8tYaI1GyVh/UjpbCx/TYkiZ
hlZB6+fzT" crossorigin="anonymous">
  </head>
  <body>
      <div class="container">
            <div class="card mt-4">
                <div class="card-header">Books Data</div>
                <div class="card-body">
                    <br>
                    <table class="table table-striped">
                        <tr>
                            <th>ISBN</th>
                            <th>Author</th>
                            <th>Title</th>
                            <th>Price</th>
                            <th>Action</th>
                        </tr>

                        <?php
                        // include our login information
                        require_once('db_login.php');

                        // execute the query
                        $query = " SELECT * FROM books ORDER BY isbn
";
                        $result = $db->query($query);
                        if (!$result){
                            die ("Could not the query the database:
<br />" . $db->error ."<br>Query: " . $query);
                        }
```

```
                                    // fetch and display the results
                                    while ($row = $result->fetch_object()){
                                          echo '<tr>';
                                          echo '<td>' .$row->isbn. '</td>';
                                          echo '<td>' .$row->author. '</td>';
                                          echo '<td>' .$row->title. '</td>';
                                          echo '<td> $'.$row->price.'</td>';
                                          echo '<td><a class="btn btn-primary"
href="show_cart.php?id='.$row->isbn.'">Add to Cart</a></td>';
                                          echo '</tr>';
                                    }
                                    echo '</table>';
                                    echo '<br />';
                                    echo 'Total Rows = ' .$result->num_rows;
                                    $result->free();
                                    $db->close();
                                    ?>
                        </div>
                    </div>
                </div>
      <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.1/dist/js/bootstrap.bundl
e.min.js"
integrity="sha384-u1OknCvxWvY5kfmNBILK2hRnQC3Pr17a+RTT6rIHI7NnikvbZlHgTPO
OmMi466C8" crossorigin="anonymous"></script>
   </body>
</html>
```

• show_cart.php

```
<!--Abyan Ardiatama-->
<!--24060120140161-->
<!--Praktikum PBP 4-->
<?php
//File      : show_cart.php
//Deskripsi : untuk menambahkan item ke shopping cart dan menampilkan isi
shopping cart

session_start();
$id = $_GET['id'];
if($id != ""){
    //jika $_SESSION['cart'] belum ada, maka inisilisasi dengan array
kosong
    //$_SESSION['cart'] merupakan array assosiatif
    //indeksnya berisi isbn buku yang dipilih
    //value-nya berisi jumlah (qty) dari buku dengan isbn tersebut
    if (!isset($_SESSION['cart'])){
        $_SESSION['cart'] = array();
    }
    //jika $_SESSION['cart'] dengan indeks isbn buku yang dipilih sudah
ada, tambahkan value-nya
```

```php
    // dengan 1, jika belum ada, buat elemen baru dengan indeks tersebut
dan set nilainya dengan 1
    if (isset($_SESSION['cart'][$id])){
        $_SESSION['cart'][$id]++;
    } else{
        $_SESSION['cart'][$id] = 1;
    }
}
?>
```
```html
<!--Menampilkan isi shopping cart-->
<!doctype html>
<html lang="en">
  <head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <title>Bootstrap demo</title>
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.1/dist/css/bootstrap.min.
css" rel="stylesheet"
integrity="sha384-iYQeCzEYFbKjA/T2uDLTpkwGzCiq6soy8tYaI1GyVh/UjpbCx/TYkiZh
lZB6+fzT" crossorigin="anonymous">
  </head>
  <body>
  <br>
<div class="container">
    <div class="card">
        <div class="card-header">Shopping Cart</div>
        <div class="card-body">
            <br>
            <table class="table table-striped">
                <tr>
                    <th>ISBN</th>
                    <th>Author</th>
                    <th>Title</th>
                    <th>Price</th>
                    <th>Qty</th>
                    <th>Price * Qty</th>
                </tr>
                <?php
                //include our login information
                require_once('db_login.php');
                $sum_qty = 0; //inisialisasi total item di shopping cart
                $sum_price = 0; //inisialisasi total price di shopping
cart
                if (is_array($_SESSION['cart'])){
                    foreach ($_SESSION['cart'] as $id => $quantity){
                        $query = " SELECT * FROM books WHERE
isbn='".$id."'";
                        $result = $db->query($query);
                        if (!$result){
                            die("Could not query the database:
<br>".$db->error."<br>Query: " .$query);
                        }
```

```php
                                while ($row = $result->fetch_object()){
                                    echo '<tr>';
                                    echo '<td>'.$row->isbn.'</td>';
                                    echo '<td>'.$row->author.'</td>';
                                    echo '<td>'.$row->title.'</td>';
                                    echo '<td>'.$row->price.'</td>';
                                    echo '<td>'.$quantity.'</td>';
                                    $price = $row->price;
                                    echo '<td>'.$price*$quantity.'</td>';
                                    $sum_price = $sum_price + ($row->price *
$quantity);
                                    $sum_qty = $sum_qty + $quantity;
                                }
                            }
                            echo
'<tr><td></td><td></td><td></td><td></td><td>'.$sum_qty.'</td><td>'.$sum_p
rice.'</td></tr>';
                        $result->free();
                        $db->close();
                    } else{
                        echo '<tr><td colspan="6" align="center">There is no
item in shopping cart</td></tr>';
                    }
                    ?>
                </table>
                Total items = <?php echo $sum_qty; ?><br><br>
                <a class="btn btn-primary" href="view_books.php">Continue
Shopping</a>
                <a class="btn btn-danger" href="delete_cart.php">Empty
Cart</a><br /><br />
            </div>
        </div>
</div>
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.1/dist/js/bootstrap.bundle
.min.js"
integrity="sha384-u1OknCvxWvY5kfmNBILK2hRnQC3Pr17a+RTT6rIHI7NnikvbZlHgTPOO
mMi466C8" crossorigin="anonymous"></script>
    </body>
</html>
```

• delete_cart.php

```php
<?php
//File: delete_cart.php
//Deskripsi: untuk menghapus session

session_start();
if(isset($_SESSION['cart'])){
    //Fungsi unset() dapat digunakan untuk membatalkan setel variabel
```
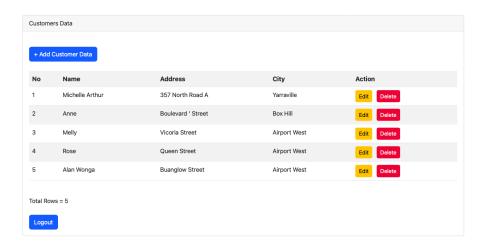
```
      unset($_SESSION['cart']);
}
header('Location: view_books.php');
?>
```
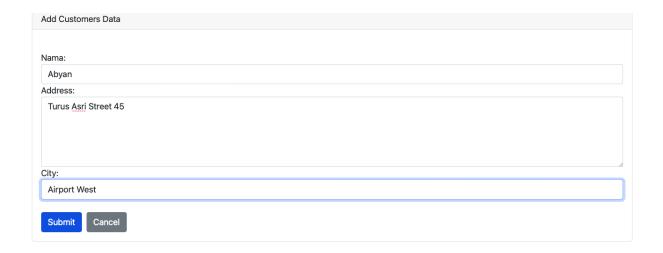
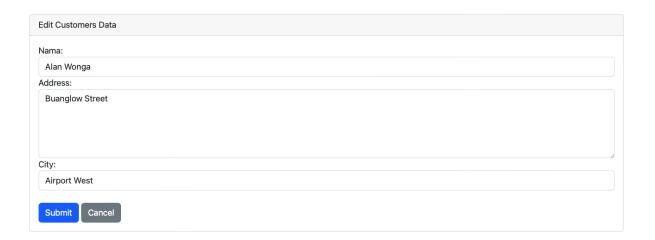## 4. Screenshot Hasil Program

a. Login.php

b. view_customer.php

c. add_customer.php

Add Customers Data

Nama:

Abyan

Address:

Turus Asri Street 45

City:

Airport West

Submit Cancel

d. edit_customer.php

Edit Customers Data

Nama:

Alan Wonga

Address:

Buanglow Street

City:

Airport West

Submit Cancel

e. Confirm_delete_customer.php (setelah dilakukan penghapusan)

Customers Data

+ Add Customer Data

No	Name	Address	City	Action
1	Michelle Arthur	357 North Road A	Yarraville	Edit Delete
2	Anne	Boulevard ' Street	Box Hill	Edit Delete
3	Melly	Vicoria Street	Airport West	Edit Delete
4	Rose	Queen Street	Airport West	Edit Delete
5	Alan Wonga	Buanglow Street	Airport West	Edit Delete

Total Rows = 5

Logout