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CO2: Compare the flow of process for sustainable digital solution		CO3: Illustrate multi-tier web application for targeted society			
Entity Diagram (0-3)	Logical Analysis (0-3)	Feature Implementation (0-3)	Code Structure (0-3)	Completeness (0-3)	Total

You have been given a database server with following configuration; **host: 127.0.0.1, username: my\_user, password: my\_password, dbname: my\_db.** Create 3 CRUD features/operations from your user category and Write code of your Model.php following and attach your project **Entity Diagram** and **Feature/specification** list.

## ➤ Code from Controller

### 1 . Model.php

```
<?php
```

```
session_start();
```

```
$hostname = '127.0.0.1';
```

```
$dbusername= 'my_user';
```

```
$dbpass='my_password';
```

```
$dbname='my_db';
```

```
$conn=mysqli_connect($hostname,$dbusername,$dbpass,$dbname);
```

```
?>
```

### 2 . Search\_property.php

```
<?php
```

```
require '../model/config.php';
```

```
if(!isset($_SESSION['flag'])){
```

```
    header('location: agentlogin.php');
```

```
}
```

```

if(isset($_REQUEST['search'])) {

    $search = $_GET['search'];

    $sql = "SELECT id, properties_name, type, location, size, room, price FROM properties WHERE
properties_name LIKE '%$search%'";

    $result = $conn->query($sql);

    if ($result->num_rows > 0) {

        echo "<h2>Search Results:</h2>";

        echo "<table border='1' cellspacing='0' cellpadding='5' align='center'>";

        echo "<thead><tr><th>Property ID</th><th>Property Name</th><th>Property Type</th><th>Property
Location</th><th>Property Size</th><th>Property Room</th><th>Property Price</th></tr></thead>";

        echo "<tbody>";

        while($row = $result->fetch_assoc()) {

            echo "<tr>";

            echo "<td>" . $row["id"] . "</td>";

            echo "<td>" . $row["properties_name"] . "</td>";

            echo "<td>" . $row["type"] . "</td>";

            echo "<td>" . $row["location"] . "</td>";

            echo "<td>" . $row["size"] . "</td>";

            echo "<td>" . $row["room"] . "</td>";

            echo "<td>" . $row["price"] . "</td>";

            echo "</tr>";

        }

        echo "</tbody>";

        echo "</table>";

    }

    else {

        echo "No properties found matching the search criteria.";
    }
}

```

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

### 3 .Update\_input.php

```
<?php  
  
if(!isset($_COOKIE['flag'])){  
    header('location: agentlogin.php');  
}  
?  
  
<!DOCTYPE html/>  
<html lang="en">  
<head>  
<meta charset="UTF-8">  
<meta name="viewport" content="width=device-width, initial-scale=1.0">  
<title>Property List</title>  
</head>  
<body>  
  
<form action="../controller/update_property.php" method="post">  
    <fieldset align="center">  
        <legend><h3>Properties List</h3></legend>  
  
        <table border="1" cellspacing="0" align="center">  
            <thead>
```

```

<tr>
    <th>Checkbox</th>
    <th>Property ID</th>
    <th>Property Name</th>
    <th>Property Type</th>
    <th>Property Location</th>
    <th>Property Size</th>
    <th>Property Room</th>
    <th>Property Price</th>
</tr>
</thead>
<tbody>
    <?php
        require '../../model/config.php';

        $sql = "SELECT id, properties_name, type, location ,size ,room, price FROM properties";
        $result = $conn->query($sql);
        if ($result->num_rows > 0) {

            while($row = $result->fetch_assoc()) {
                echo "<tr>";
                echo "<td><input type='checkbox' name='id[]' value='' . $row['id'] . ''></td>";
                echo "<td>" . $row["id"] . "</td>";
                echo "<td><input type='text' name='property_name[" . $row["id"] . "]" value='' . $row["properties_name"] . ''></td>";
                echo "<td><input type='text' name='type[" . $row["id"] . "]" value='' . $row["type"] . ''></td>";
                echo "<td><input type='text' name='location[" . $row["id"] . "]" value='' . $row["location"] . ''></td>";
                echo "<td><input type='text' name='size[" . $row["id"] . "]" value='' . $row["size"] . ''></td>";
                echo "<td><input type='text' name='room[" . $row["id"] . "]" value='' . $row["room"] . ''></td>";
                echo "<td><input type='text' name='price[" . $row["id"] . "]" value='' . $row["price"] . ''></td>";
                echo "</tr>";
            }
        }
    }

```

```

        }
    } else {
        echo "<tr><td colspan='8'>No properties found</td></tr>";
    }
    $conn->close();
    ?>
</tbody>
</table>
<br><br>

<input type="hidden" name="form_submitted" value="1">

<input type="submit" value="Update" align="center">
</fieldset>
</form>

</body>
</html>

```

#### 4 .Update\_property.php

```

<?php

require '../../model/config.php';

if(isset($_POST['form_submitted']) && isset($_POST['id'])) {

    $property_ids = $_POST['id'];

    foreach ($property_ids as $property_id) {

```

```
$property_name = $_POST['property_name'][$property_id];
```

```
$type = $_POST['type'][$property_id];
```

```
$location = $_POST['location'][$property_id];
```

```
$size = $_POST['size'][$property_id];
```

```
$room = $_POST['room'][$property_id];
```

```
$price = $_POST['price'][$property_id];
```

```
$query = "UPDATE properties SET properties_name = '$property_name',type = '$type',
```

```
location = '$location',size = '$size',room = '$room',price = '$price'
```

```
WHERE id = $property_id";
```

```
if (mysqli_query($conn, $query)) {
```

```
    echo "Property with ID $property_id updated successfully.<br>";
```

```
    header("location:../agentproperties_listing.php");
```

```
}
```

```
else {
```

```
    echo "Error updating property with ID $property_id: " . mysqli_error($conn) . "<br>";
```

```
}
```

```
}
```

```
} else {
```

```
    echo "Form not submitted or no properties selected.";
```

```
}
```

```
mysqli_close($conn);
```

```
?>
```

## 5 .Add\_property.php

<?php

*require '../..../model/config.php'; // Include your database configuration file*

*if(isset(\$\_REQUEST['submit'])) { // Check if form is submitted*

*\$property\_name = \$\_REQUEST['property\_name'];*

*\$type = \$\_REQUEST['type'];*

*\$location = \$\_REQUEST['location'];*

*\$size = \$\_REQUEST['size'];*

*\$room = \$\_REQUEST['room'];*

*\$price = \$\_REQUEST['price'];*

*// Construct the SQL query*

*\$query = "INSERT INTO properties (properties\_name,type, location,size,room, price) VALUES ('\$property\_name','\$type', '\$location','\$size','\$room', '\$price')";*

*// Execute the query*

*if (mysqli\_query(\$conn, \$query)) {*

*echo "Property added successfully";*

*header('location:../..../agentproperties\_listing.php');*

*} else {*

*echo "Error";*

*}*

*// mysqli\_close(\$conn); // Close connection*

*}*

*else {*

*echo "Form not submitted"; // This will be shown if the form hasn't been submitted*

```
}  
?>
```

## 5 .Delete\_property.php

```
<?php  
require '../../model/config.php';  
  
if(isset($_POST['id'])) {  
    $id = $_POST['id'];  
  
    foreach($id as $id) {  
        $id = intval($id);  
  
        $query = "DELETE FROM properties WHERE id = $id";  
  
        if (mysqli_query($conn, $query)) {  
            echo "Property with ID $id deleted successfully<br>";  
            header("location:../agentproperties_listing.php");  
        }  
        else {  
            echo "Error deleting property with ID $id: " . mysqli_error($conn) . "<br>";  
        }  
    }  
  
    mysqli_close($conn);  
} else {  
    echo "Form not submitted or no properties selected";  
}
```



?>

## 7 .Neighbors

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

<form action="agent-property-management/controller/delete_neighbor.php" method="post">
  <fieldset align="center">
    <legend><h3>NEIGHBOR LIST</h3></legend>

    <table border="1" cellspacing="0" cellpadding="5" align="center">
      <thead>
        <tr>
          <th>Checkbox</th>
          <th>Neighbor ID</th>
          <th>Name</th>
          <th>Address</th>
          <th>Occupation</th>
          <th>Age</th>
        </tr>
      </thead>
      <tbody>
        <?php
```

```
require '../model/config.php';
```

```
$sql = "SELECT id, name, address, occupation, age FROM neighbour";
```

```
$result = $conn->query($sql);
```

```
if ($result->num_rows > 0) {
```

```
    // Output data of each row
```

```
    while($row = $result->fetch_assoc()) {
```

```
        echo "<tr>";
```

```
        echo "<td><input type='checkbox' name='id[]' value='" . $row["id"] . "'></td>";
```

```
        echo "<td>" . $row["id"] . "</td>";
```

```
        echo "<td>" . $row["name"] . "</td>";
```

```
        echo "<td>" . $row["address"] . "</td>";
```

```
        echo "<td>" . $row["occupation"] . "</td>";
```

```
        echo "<td>" . $row["age"] . "</td>";
```

```
        echo "</tr>";
```

```
    }
```

```
}
```

```
else {
```

```
    echo "<tr><td colspan='6'>No neighbors found</td></tr>";
```

```
}
```

```
$conn->close();
```

```
?>
```

```
</tbody>
```

```
</table>
```

```
<br><br>
```

```
<a href="agent-property-management/view/add_neighbor.php"><button type="button">Insert  
Neighbor</button></a>
```

```

        <input type="submit" name="submit" value="Delete Neighbor">

        <a href="agent-property-management/view/update_neighbor.php"><button type="button">Update
Neighbor</button></a>

    </fieldset>

</form>

</body>

</html>

```

## 9 .Agentproperties\_listing.php

```

<?php

if(!isset($_COOKIE['flag'])){
    header('location: agentlogin.php');
}

?>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Property List</title>

</head>

<body>

<form action="agent-property-management/controller/delete_property.php" method="post">

    <fieldset align="center">

        <legend><h3>PROPERTIES LIST</h3></legend>

```

```
<table border="1" cellspacing="0" cellpadding="5" align="center">
```

```
<thead>
```

```
<tr>
```

```
<th>checkbox</th>
```

```
<th>Property ID</th>
```

```
<th>Property Name</th>
```

```
<th>Property Type</th>
```

```
<th>Property Location</th>
```

```
<th>Property Size</th>
```

```
<th>Property Room</th>
```

```
<th>Property Price</th>
```

```
</tr>
```

```
</thead>
```

```
<tbody>
```

```
<?php
```

```
require '../model/config.php';
```

```
$sql = "SELECT id, properties_name,type, location ,size ,room, price FROM properties";
```

```
$result = $conn->query($sql);
```

```
if ($result->num_rows > 0) {
```

```
    // Output data of each row
```

```
    while($row = $result->fetch_assoc()) {
```

```
        echo "<tr>";
```

```
        echo "<td><input type='checkbox' name='id[]' value='" . $row["id"] . "'></td>";
```

```
        echo "<td>" . $row["id"] . "</td>";
```

```
        echo "<td>" . $row["properties_name"] . "</td>";
```

```
        echo "<td>" . $row["type"] . "</td>";
```

```
        echo "<td>" . $row["location"] . "</td>";
```

```
        echo "<td>" . $row["size"] . "</td>";
        echo "<td>" . $row["room"] . "</td>";
        echo "<td>" . $row["price"] . "</td>";
        echo "</tr>";
    }
}
else {
    echo "<tr><td colspan='4'>No properties found</td></tr>";
}
$conn->close();

?>

</tbody>

</table>

<br><br>

<a href="agent-property-management/view/add_properties.php"><button type="button">Insert
Property</button></a>

<input type="submit" name="submit" value="Delete Property">

<a href="agent-property-management/view/update_input.php"><button type="button">Update
Property</button></a>

</fieldset>

</form>

</body>

</html>
```

## ➤ Feature and Specification

### 1. Dashboard :

#### A. Sidebar [client]:

- Dashboard Overview
- Listings Management
- Client Management
- Analytics and Reports
- Tasks and Reminders
- Profile Settings
- Help and Support
- Logout

#### B. Sidebar [agent]

- Dashboard Overview
- Listings Management
- Client Management
- Analytics and Reports
- Tasks and Reminders
- Profile Settings
- Help and Support
- Logout

#### C. Dashboard [agent/client]

- Agent Dashboard:
  1. Welcome Message
  2. Property Listings
  3. Client Management
  4. Tasks and Reminders
  5. Performance Metrics
  6. Communication Tools
  7. Property Insights
  8. Profile Settings
- Client Dashboard:

- 1. Property Recommendations
- 2. Saved Properties
- 3. Communication with Agents
- 4. Property Alerts
- 5. Appointment Scheduler
- 6. Market Insights
- 7. Profile Settings
- 8. Help and Support

#### D. Topbar

- Header/Top Bar in Dashboard:
- 1. Logo
- 2. Dashboard Title
- 3. Search Bar (Clients)
- 4. Property Listings (Agents)
- 5. Messages/Notifications
- 6. Profile Dropdown
- 7. Help/Support
- 8. Settings
- 9. Search Filters (Agents)
- 10. Dashboard Navigation
- 11. Logout

#### 2 . Property Listing

- Add Property
- Update Property
- Delete Property

#### 3 . Neighbourhood Information

- Add Property
- update Property
- delete Property

#### 4 . Map Integration

- Searching location
- Search office
- Google map API Key [not authorised]

# ER DIAGRAM

