**American International University-Bangladesh**

**Course**: CSC 3215 Web Technologies

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| --- | --- | --- | --- | --- |
| **Lab Exam**:MID-TERM | **Section**: F | **Semester**: Spring 2023-2024 | **Time**: 45 minutes | **Total Marks**: 30 |

|  |  |
| --- | --- |
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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 :
2. Sidebar [client]:

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

1. Sidebar [agent]

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

1. 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

1. 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

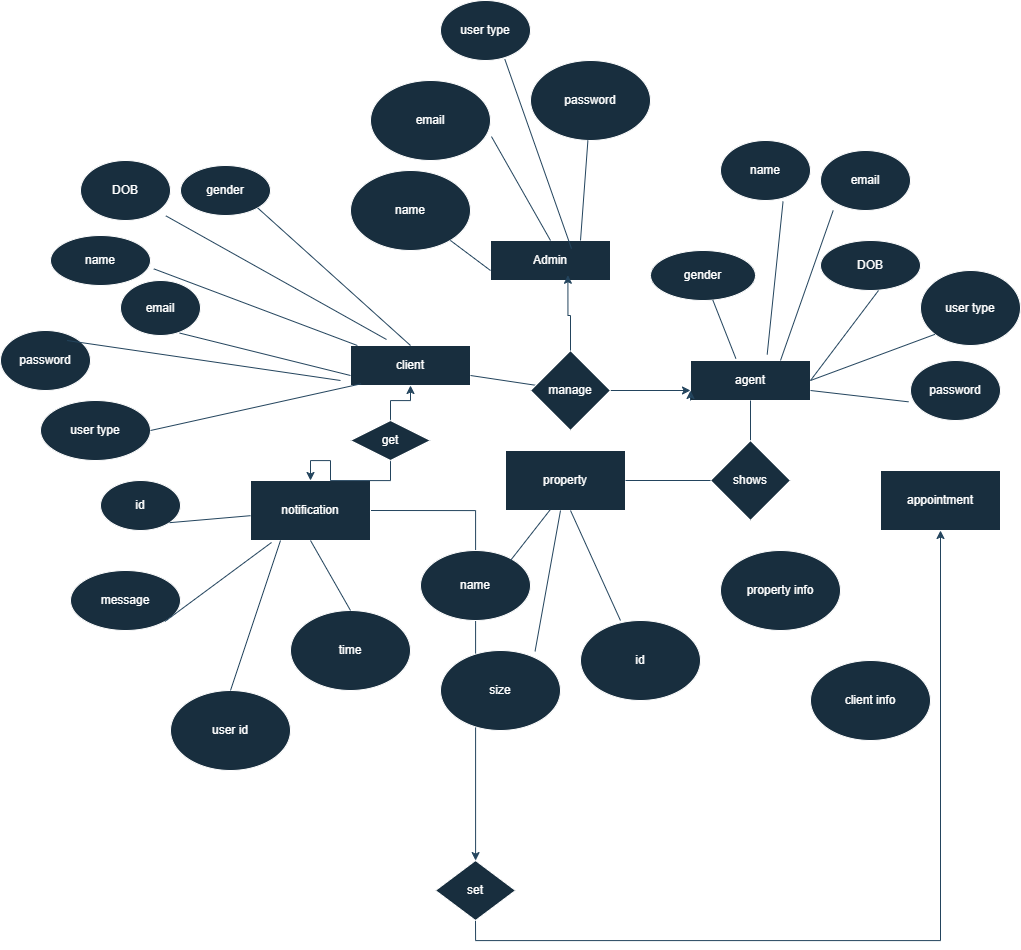
3 . Neighbourhood Information

* Add Property
* update Property
* delete Property

4 . Map Integration

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

**ER DIAGRAM**

****