

PHP-Modify

Insert, Update, and Delete Records using PHP

The three PHP pages listed below insert, update, and delete pets in the Veterinary database. You can try this at <http://vet.cis195.com> The User name is **vetstudent** and the Password is **195PetDoctor**

Your assignment is to complete one or more of the following tasks:

- Implement the insertpet.php, updatepet.php, and deletepet.php pages with your own VET database Web application. (3 Points Extra-Credit) Display the pet table with IDs on each page. (same code on each page, 1 Point Extra Credit)
- Create your own PHP pages to add, update, and delete owners in your VET database Web app. (6 Points Extra-Credit) Display the owner table with IDs on each page. (same code on each page, 2 Points Extra Credit)
- Create your own PHP pages to add, update, and delete records in two or more tables in your RYO database Web app. (12 Points Extra-Credit) Display the respective table with IDs on each page. (4 Points Extra Credit)

Add links on your index.html page so that each new page can be reached from it, directly or indirectly. (Your index.html already has a link to your petlist.php.)

insertpet.php (Use your own used ID and password.)

```
<html>
<head><title>Insert Pet</title></head>
<body>

<?php
    // Check the HTTP request for data from the HTML form.
    if (isset($_GET['petname']))
    {
        // Connect to the MySQL database server.
        // Use your own user ID and MySQL password.
        $db_server = mysql_connect('localhost', 'userid', 'password');
        if (!$db_server)
            die("Unable to connect to MySQL: " . mysql_error());

        // Select the VET database. Use your own user ID.
        if (!mysql_select_db('userid_VET'))
            die("Unable to select database: " . mysql_error());

        // Get the HTML form data from the HTTP request.
        $pet_name  = $_GET['petname'];
        $pet_type  = $_GET['pettype'];
        $pet_breed = $_GET['petbreed'];
        $pet_dob   = $_GET['petdob'];
```

```

        $owner_id = $_GET['ownerid'];

        // Build the SQL query.
        $query = "INSERT INTO PET
                  (PetName, PetType, PetBreed, PetDOB, OwnerID)
        VALUES('$pet_name', '$pet_type', '$pet_breed', '$pet_dob',
                  '$owner_id')";

        // Execute the SQL query.
        $result = mysql_query($query);
        if (!$result)
            die ("Unable to execute query: " . mysql_error());

        // Close the connection to the database server.
        mysql_close($db_server);
    }
?>

<!-- HTML Form -->
<form action="insertpet.php" method="get">
<p>Pet Name: <input type="text" name="petname" /></p>
<p>Pet Type: <input type="text" name="pettype" /></p>
<p>Pet Breed: <input type="text" name="petbreed" /></p>
<p>Pet DOB: <input type="text" name="petdob" /></p>
<p>Owner ID: <input type="text" name="ownerid" /></p>
<p><input type="submit" value="Insert Pet" /></p>
</form>

<!-- Navigation Links -->
<p><a href="petlist.php">List Pets</a></p>
<p><a href="insertpet.php">Insert Pet (Blank Form)</a></p>

</body>
</html>

```

updatepet.php

```

vet@Mouse:~/www$ cat updatepet.php
<html>
<head><title>Update Pet</title></head>
<body>

<?php
    // Check the HTTP request for data from the HTML form.
    if (isset($_GET['petname']))
    {

```

```
// Connect to the MySQL database server.
// Use your own user ID and MySQL password.
$db_server = mysql_connect('localhost', 'userid', 'password');
if (!$db_server)
    die("Unable to connect to MySQL: " . mysql_error());

// Select the VET database. Use your own user ID.
if (!mysql_select_db('vet_VET'))
    die("Unable to select database: " . mysql_error());

// Get the HTML form data from the HTTP request.
$pet_name  = $_GET['petname'];
$new_name  = $_GET['newname'];
$new_type  = $_GET['newtype'];
$new_breed = $_GET['newbreed'];
$new_dob   = $_GET['newdob'];
$new_owner = $_GET['newowner'];

// Build the SQL query.
// Update the fields entered on the form.
// Include commas to separate fields.
$count = 0;
$query = "UPDATE PET SET ";
if ($new_name != "") {
    $query .= "PetName='$new_name'";
    $count++;
}
if ($new_type != "") {
    if ($count > 0) $query .= ", ";
    $query .= "PetType='$new_type'";
    $count++;
}
if ($new_breed != "") {
    if ($count > 0) $query .= ", ";
    $query .= "PetBreed='$new_breed'";
    $count++;
}
if ($new_dob != "") {
    if ($count > 0) $query .= ", ";
    $query .= "PetDOB='$new_dob'";
    $count++;
}
if ($new_owner != "") {
    if ($count > 0) $query .= ", ";
    $query .= "OwnerID=$new_owner";
}
$query .= " WHERE PetName = '$pet_name'";
```

```
        echo "<p>Debug SQL Query: " . $query . "</p>";

        // Execute the SQL query.
        $result = mysql_query($query);
        if (!$result)
            die ("Unable to execute query: " . mysql_error());

        // Close the connection to the database server.
        mysql_close($db_server);
    }
?>

<!-- HTML Form -->
<form action ="updatepet.php" method ="get">
<p>Enter the Pet Name to select the pet:</p>
<p>Pet Name: <input type="text" name="petname" /></p>
<p>Enter one or more fields to update:</p>
<p>New Name: <input type="text" name="newname" /></p>
<p>New Type: <input type="text" name="newtype" /></p>
<p>New Breed: <input type="text" name="newbreed" /></p>
<p>New DOB: <input type="text" name="newdob" /></p>
<p>New Owner: <input type="text" name="newowner" /></p>
<p><input type="submit" value="Update Pet" /></p>
</form>

<!-- Navigation Links -->
<p><a href="petlist.php">List Pets</a></p>
<p><a href="updatepet.php">Update Pet (Blank Form)</a></p>

</body>
</html>
```

deletepet.php

```
<html>
<head><title>Delete Pet</title></head>
<body>

<?php
    // Check the HTTP request for data from the HTML form.
    if (isset($_GET['petname']))
    {
        // Connect to the MySQL database server.
        // Use your own user ID and MySQL password.
        $db_server = mysql_connect('localhost', 'userid', 'password');
        if (!$db_server)
```

```
        die("Unable to connect to MySQL: " . mysql_error());

    // Select the VET database. Use your own user ID.
    if (!mysql_select_db('vet_VET'))
        die("Unable to select database: " . mysql_error());

    // Get the HTML form data from the HTTP request.
    $pet_name = $_GET['petname'];

    // Build the SQL query.
    $query = "DELETE FROM PET
              WHERE PetName = '$pet_name'";

    // Execute the SQL query.
    $result = mysql_query($query);
    if (!$result)
        die("Unable to execute query: " . mysql_error());

    // Close the connection to the database server.
    mysql_close($db_server);
}

?>

<!-- HTML Form -->
<form action="deletepet.php" method="get">
<p>Pet Name: <input type="text" name="petname" /></p>
<p><input type="submit" value="Delete Pet" /></p>
</form>

<!-- Navigation Links -->
<p><a href="petlist.php">List Pets</a></p>
<p><a href="deletepet.php">Delete Pet (Blank Form)</a></p>

</body>
</html>
```

petlist.php (Add just before the </body> tag.)

```
<!-- Navigation Links -->
<p><a href="insertpet.php">Insert Pet</a></p>
<p><a href="updatepet.php">Update Pet</a></p>
<p><a href="deletepet.php">Delete Pet</a></p>
```
