

Exercise 11.10 – Integrating User Inputs (PDO) – Art Database

- Developer defined functions
 - outputArtists() uses PDO
 - \$pdo = new PDO(DBCONNSTRING, DBUSER, DBPASS);
 - \$pdo->setAttribute(PDO::ATTR_ERRMODE, PDO::ERRMODE_EXCEPTION);
 - \$result = \$pdo->query(\$sql);
 - \$row = \$result->fetch();
 - \$pdo = null;
 - outputPaintings() calls outputSinglePaintings()
 - isset() and \$_GET['id'] ... check valid ID input
 - \$pdo = new PDO(DBCONNSTRING, DBUSER, DBPASS);
 - \$pdo->setAttribute(PDO::ATTR_ERRMODE, PDO::ERRMODE_EXCEPTION);
 - \$result = \$pdo->query(\$sql);
 - \$row = \$result->fetch();
 - outputSinglePainting(\$row)
 - outputSinglePainting(\$row)

```
<?php
//config.php - lab11-exercise08-mysqli.php
define('DBHOST', 'localhost');
define('DBNAME', 'art');
define('DBUSER', 'testuser');
define('DBPASS', 'secret');
define('DBCONNSTRING','mysql:host=localhost; dbname=art');
?>
//lab11-exercise10.php
<?php
require_once('config.php');
/*
Displays the list of artist links on the left-side of page
*/
function outputArtists() {
    try {
        $pdo = new PDO(DBCONNSTRING, DBUSER, DBPASS);
        $pdo->setAttribute(PDO::ATTR_ERRMODE, PDO::ERRMODE_EXCEPTION);
        $sql = "select * from Artists order by LastName limit 0,15";
        $result = $pdo->query($sql);
        while ($row = $result->fetch()) {
            echo '<a href="lab11-exercise10.php?id=' . $row['ArtistID'] . '" class="list-group-item';
            if (isset($_GET['id']) && $_GET['id'] == $row['ArtistID']) echo ' active';
            echo '>';
            echo $row['LastName'] . '</a>';
        }
        $pdo = null;
    }
    catch (PDOException $e) {
        die( $e->getMessage() );
    }
}
```

```

/*
Displays the list of paintings for the artist id specified in the id query string
*/
function outputPaintings() {
    try {
        if (isset($_GET['id']) && $_GET['id'] > 0) {
            $pdo = new PDO(DBCONNSTRING, DBUSER, DBPASS);
            $pdo->setAttribute(PDO::ATTR_ERRMODE, PDO::ERRMODE_EXCEPTION);

            $sql = 'select * from ArtWorks where ArtistId=' . $_GET['id'];
            $result = $pdo->query($sql);
            while ($row = $result->fetch()) {
                outputSinglePainting($row);
            }
            $pdo = null;
        }
    }
    catch (PDOException $e) {
        die( $e->getMessage() );
    }
}

/*
Displays a single painting
*/
function outputSinglePainting($row) {
    echo '<div class="media">';
    echo '<a class="pull-left" href="#">';
    echo '';
    echo '</a>';
    echo '<div class="media-body">';
    echo '<h4 class="media-heading">';
    echo htmlentities($row['Title'], ENT_IGNORE | ENT_HTML5, "ISO-8859-1");
    echo '</h4>';
    echo $row['Description'];
    echo '</div>';
    echo '</div>';
}
?>

<!DOCTYPE html>

```

```

<html>
<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Chapter 11</title>
  <!-- Bootstrap core CSS -->
  <link href="bootstrap3_defaultTheme/dist/css/bootstrap.css" rel="stylesheet">
</head>
<body>
<div class="well"><h1>User Input (pdo)</h1></div>
<div class="container">
  <div class="row">
    <div class="col-md-3">
      <div class="list-group">
        <?php outputArtists(); ?>
      </div>
    </div>
    <div class="col-md-9">
      <?php outputPaintings(); ?>
    </div>
  </div>
</div>
</body>
</html>

```

Testing and Results

<http://localhost/lab11/lab11-exercise10.php?id=95>

