chapter14-project1.php

includes/

* book-config.inc.php
* book-utilities.inc.php
* header.inc.php
* left-nav.inc.php

lib/

* AuthorDB.class.php

book-complete.sql

book-small.sql

**book-config.inc.php**

<?php

define('DBCONNECTION', 'mysql:host=localhost;dbname=book');

define('DBUSER', 'YOUR USERNAME HERE');

define('DBPASS', 'YOUR PASSWORD HERE');

spl\_autoload\_register(function ($class) {

 $file = 'lib/' . $class . '.class.php';

 if (file\_exists($file))

 include $file;

});

/\* cloud9 database setup \*/

$ip = getenv('IP');

$port = '3306';

$user = getenv('C9\_USER');

$connection = "mysql:host=$ip;port=$port;dbname=book";

$pdo = DatabaseHelper::setConnectionInfo(array(DBCONNECTION, $user, ''));

/\* localhost mysql setup \*/

//$pdo = DatabaseHelper::setConnectionInfo(array(DBCONNECTION, DBUSER, DBPASS));

?>

**book-Utilities.inc.php: readCustomers($filename), readOrders($customer, $filename)**

<?php

**function readCustomers($filename)** {

 // read the file into memory; if there is an error then stop processing

 $arr = file($filename) or die('ERROR: Cannot find file');

 // our data is semicolon-delimited

 $delimiter = ';';

 // loop through each line of the file

 foreach ($arr as $line) {

 // returns an array of strings where each element in the array

 // corresponds to each substring between the delimiters

 $splitcontents = explode($delimiter, $line);

 $aCustomer = array();

 $aCustomer['id'] = $splitcontents[0];

 $aCustomer['name'] = utf8\_encode($splitcontents[1] . ' ' . $splitcontents[2]);

 $aCustomer['email'] = utf8\_encode($splitcontents[3]);

 $aCustomer['university'] = utf8\_encode($splitcontents[4]);

 $aCustomer['address'] = utf8\_encode($splitcontents[5]);

 $aCustomer['city'] = utf8\_encode($splitcontents[6]);

 $aCustomer['country'] = utf8\_encode($splitcontents[8]);

 $aCustomer['sales'] = utf8\_encode($splitcontents[11]);

 // add customer to array of customers

 $customers[$aCustomer['id']] = $aCustomer;

 }

 return $customers;

}

**function readOrders($customer, $filename)** {

 $arr = file($filename) or die('ERROR: Cannot find file');

 // our data is comma-delimited

 $delimiter = ',';

 // loop through each line of the file

 foreach ($arr as $line) {

 $splitcontents = explode($delimiter, $line);

 $anOrder = array();

 $anOrder['id'] = $splitcontents[0];

 $anOrder['customer'] = $splitcontents[1];

 $anOrder['isbn'] = $splitcontents[2];

 $anOrder['title'] = $splitcontents[3];

 $anOrder['category'] = $splitcontents[4];

 $orders[] = $anOrder;

 }

 foreach ($orders as $ord) {

 if ($ord['customer'] == $customer) $filtered[] = $ord;

 }

 if (isset($filtered) )

 return $filtered;

 else

 return null;

}

?>

**testdb-pdo.php**

<html>

<body>

<h1> Hello the time is <?php echo date("H:i:s"); ?> </h1>

<p> some text afterwards... </P>

<?php

try {

 $connString = "mysql:host=localhost;dbname=art";

 $user = "testuser2";

 $pass = "mypassword";

 $pdo = new PDO($connString,$user,$pass);

 $pdo->setAttribute(PDO::ATTR\_ERRMODE, PDO::ERRMODE\_EXCEPTION);

 echo "<p>Connection successful</p>";

 $sql = "select \* from genres";

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

 foreach ($result as $row)

 {

 echo $row[0] . " - " . $row[1] . "<br/>";

 }

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

 echo $row['ID'] . " - " . $row['GenreName'] . "<br/>";

 }

}

catch (PDOException $e) {

 die( $e->getMessage() );

}

?>

</body>

</html>

**testdb-classes.php**

<?php

include 'includes/book-config.inc.php';

?>

<html> <body>

<?php

try {

 $db = new AuthorDB($pdo);

 $result = $db->findById(2);

 echo '<h3>Sample Author (id=2)</h3>';

 echo $result['FirstName'] . ' ' . $result['LastName'];

 $result = $db->getAll();

 echo '<h3>All Authors</h3>';

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

 echo $row['FirstName'] . ' ' . $row['LastName'];

 }

 $db = new EmployeeDB($pdo);

 $result = $db->findById(2);

 echo '<h3>Sample Employee (id=2)</h3>';

 echo $result['FirstName'] . ' ' . $result['LastName'];

 $result = $db->getAll();

 echo '<h3>All Employees</h3>';

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

 echo $row['FirstName'] . ' ' . $row['LastName'];

 }

 $db = new EmployeeToDoDB($pdo);

 $result = $db->findById(2);

 echo '<h3>Sample EmployeeToDo (id=2)</h3>';

 echo $result['Status'] . ' ' . $result['DateBy'];

 $result = $db->findByEmployee(30);

 echo '<h3>EmployeeToDo for Employee (30)</h3>';

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

 echo $row['FirstName'] . ' ' . $row['LastName'];

 }

 $db = new UniversityDB($pdo);

 $result = $db->findById(100654);

 echo '<h3>Sample University (id=100654)</h3>';

 echo $result['UniversityID'] . ' ' . $result['Name'];

 $result = $db->getAll();

 echo '<h3>All Universities</h3>';

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

 echo $row['Name'] . ' ' . $row['City'];

 }

 }

catch (PDOException $e) {

 die( $e->getMessage() );

}

?>

</body>

</html>

**Chapter14-project1.php**

<?php

include 'includes/book-config.inc.php';

$db = new EmployeeDB($pdo);

$employees = $db->getAll();

?>

<!DOCTYPE html>

<html lang="en">

<head>

 <title>Chapter 14</title>

 <meta charset="utf-8">

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

 <link href='http://fonts.googleapis.com/css?family=Roboto' rel='stylesheet' type='text/css'>

 <link rel="stylesheet" href="https://fonts.googleapis.com/icon?family=Material+Icons">

 <link rel="stylesheet" href="https://code.getmdl.io/1.1.3/material.blue\_grey-orange.min.css">

 <link rel="stylesheet" href="css/styles.css">

 <script src="https://code.jquery.com/jquery-1.7.2.min.js" ></script>

 <script src="https://code.getmdl.io/1.1.3/material.min.js"></script>

</head>

<body>

<div class="mdl-layout mdl-js-layout mdl-layout--fixed-drawer

 mdl-layout--fixed-header">

 **<?php include 'includes/header.inc.php'; ?>**

 **<?php include 'includes/left-nav.inc.php'; ?>**

 <main class="mdl-layout\_\_content mdl-color--grey-50">

 <section class="page-content">

 <div class="mdl-grid">

 <!-- mdl-cell + mdl-card -->

 <div class="mdl-cell mdl-cell--3-col card-lesson mdl-card mdl-shadow--2dp">

 <div class="mdl-card\_\_title mdl-color--orange">

 <h2 class="mdl-card\_\_title-text">Employees</h2>

 </div>

 <div class="mdl-card\_\_supporting-text">

 <ul class="demo-list-item mdl-list">

 **<?php**

 foreach ($employees as $emp) {

 echo '<li class="mdl-list\_\_item">';

 echo '<a href="chapter14-project1.php?employee=' . $emp['EmployeeID'] . '">' . $emp['FirstName'] . ' ' . $emp['LastName'] . '</a>';

 echo '</li> ';

 }

 ?>

 </ul>

 </div>

 </div> <!-- / mdl-cell + mdl-card -->

 <!-- mdl-cell + mdl-card -->

 <div class="mdl-cell mdl-cell--9-col card-lesson mdl-card mdl-shadow--2dp">

 **<?php**

 if ($\_SERVER['REQUEST\_METHOD'] == 'GET') {

 if ( isset($\_GET['employee']) ) {

 $requestedEmployee = $db->findById($\_GET['employee']);

 ?>

 <div class="mdl-card\_\_title mdl-color--deep-purple mdl-color-text--white">

 <h2 class="mdl-card\_\_title-text">Employee Details</h2>

 </div>

 <div class="mdl-card\_\_supporting-text">

 <div class="mdl-tabs mdl-js-tabs mdl-js-ripple-effect">

 <div class="mdl-tabs\_\_tab-bar">

 <a href="#address-panel" class="mdl-tabs\_\_tab is-active">Address</a>

 <a href="#todo-panel" class="mdl-tabs\_\_tab">To Do</a>

 </div>

 <div class="mdl-tabs\_\_panel is-active" id="address-panel">

 <h4>**<?php echo $requestedEmployee['FirstName'] . ' ' . $requestedEmployee['LastName']; ?>**</h4>

 <**?php**

 echo $requestedEmployee['Address'] . '<br>';

 echo $requestedEmployee['City'] . ', ' . $requestedEmployee['Region'] . '<br>';

 echo $requestedEmployee['Country'] . ', ' . $requestedEmployee['Postal'] . '<br>';

 echo $requestedEmployee['Email']

 ?>

 </div>

 <div class="mdl-tabs\_\_panel" id="todo-panel">

 **<?php**

 $db2 = new EmployeeToDoDB($pdo);

 $todos = $db2->findByEmployee($\_GET['employee']);

 if ( is\_null($todos) ) {

 echo 'No To Dos for ' . $requestedEmployee['LastName'];

 } else {

 ?>

 <table class="mdl-data-table mdl-shadow--2dp">

 <thead>

 <tr>

 <th class="mdl-data-table\_\_cell--non-numeric">Date</th>

 <th class="mdl-data-table\_\_cell--non-numeric">Status</th>

 <th class="mdl-data-table\_\_cell--non-numeric">Priority</th>

 <th class="mdl-data-table\_\_cell--non-numeric">Content</th>

 </tr>

 </thead>

 <tbody>

 **<?php foreach ($todos as $todo)** {

 echo '<tr>';

 echo '<td class="mdl-data-table\_\_cell--non-numeric">' . date("Y-M-d", strtotime($todo['DateBy'])) . '</td>';

 echo '<td class="mdl-data-table\_\_cell--non-numeric">' . $todo['Status'] . '</td>';

 echo '<td class="mdl-data-table\_\_cell--non-numeric">' . $todo['Priority'] . '</td>';

 echo '<td class="mdl-data-table\_\_cell--non-numeric">' . substr($todo['Description'],1,50) . '</td>';

 echo '</tr> ';

 } ?>

 </tbody>

 </table>

 <?php } ?>

 </div>

 </div>

 </div>

 <?php

 } // end if ( isset ...

 } // // end if ( $\_SERVER ... ?>

 </div> <!-- / mdl-cell + mdl-card -->

 </div> <!-- / mdl-grid -->

 </section>

 </main>

</div> <!-- / mdl-layout -->

</body>

</html>

**AuthorDB.php**

<?php

/\* Handles database access for the Authors table. \*/

**class AuthorDB** {

 private $pdo = null;

 private static $baseSQL = "SELECT \* FROM Authors";

 private static $constraint = ' order by LastName';

 public function \_\_construct($connection) {

 $this->pdo = $connection;

 }

 **public function findById($id)**

 {

 $sql = self::$baseSQL . ' WHERE AuthorID=? ';

 $statement = DatabaseHelper::runQuery($this->pdo, $sql, Array($id));

 return $statement->fetch();

 }

 **public function getAll()**

 {

 $sql = self::$baseSQL . self::$constraint;

 $statement = DatabaseHelper::runQuery($this->pdo, $sql, null);

 return $statement;

 }

}

?>