**Exercise 11.14 – Reading and Storing Blob Data (Binary Large Object data, image file)**

* **PHP Documentation & References**
	+ end(), <http://php.net/manual/en/function.end.php>
		- advances array’s internal pointer to the last element, and returns its value
	+ explode(), <http://php.net/manual/en/function.explode.php>
		- Split a string by a string
	+ PDO
* **Using “POST” method**
* **From phpMyAdmin**
	+ **Create travels database and import travel.sql database files**
	+ **Click Privileges**
		- **Create User Account**
		- **Add user account: username, password, access privileges**
* **Functions**
	+ **processFileUpload()**

$pdo = new PDO(DBCONNSTRING,DBUSER,DBPASS);

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

if ($\_FILES["inputFile"]["error"] == UPLOAD\_ERR\_OK)

$statement = $pdo->prepare($sql);

 $statement->bindParam(':data', $fileContent, PDO::PARAM\_LOB);

 $statement->execute();

 $insertID = $pdo->lastInsertId();

* **PHP files inclusion: inside includes folder**
	+ includes/travel-config.php
	+ includes/travel-head.inc.php
	+ includes/travel-header.inc.php
	+ includes/travel-left-rail.inc.php
	+ includes/travel-footer.inc.php
	+ viewImage.php
* **How to run the program**
	+ [**http://localhost/lab11/lab11-exercise14.php**](http://localhost/lab11/lab11-exercise14.php)

<?php

//includes/travel-config.php

define('DBHOST', 'localhost');

define('DBNAME', 'travels');

define('DBUSER', 'testuser');

define('DBPASS', 'secret');

define('DBCONNSTRING','mysql:host=localhost;dbname=art');

?>

//lab11-exercise14.php

<?php

require\_once('includes/travel-config.php');

?>

<!DOCTYPE html>

<html lang="en">

<head>

 <title>Travel Template</title>

 <?php include 'includes/travel-head.inc.php'; ?>

</head>

<body>

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

<div class="container"> <!-- start main content container -->

 <div class="row"> <!-- start main content row -->

 <div class="col-md-3"> <!-- start left navigation rail column -->

 <?php include 'includes/travel-left-rail.inc.php'; ?>

 </div> <!-- end left navigation rail -->

 <div class="col-md-9"> <!-- start main content column -->

 <ol class="breadcrumb">

 <li><a href="#">Home</a></li>

 <li class="active">Upload</li>

 </ol>

<?php

function processFileUpload(){

 //require\_once("config.php");

 $pdo = new PDO(DBCONNSTRING,DBUSER,DBPASS);

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

 $validExt = array("jpg", "png");

 $validMime = array("image/jpeg","image/png");

 // echo "<pre>";print\_r($\_FILES);echo "</pre>";

 if ($\_FILES["inputFile"]["error"] == UPLOAD\_ERR\_OK) {

 $name = $\_FILES["inputFile"]["name"];

 $extension = end(explode(".", $name));

 if (in\_array($\_FILES["inputFile"]["type"],$validMime) && in\_array($extension, $validExt)) {

 //INSERT INTO BLOB

 $fileContent = file\_get\_contents($\_FILES["inputFile"]['tmp\_name']);

 $sql = "INSERT INTO travelimage (ImageContent) VALUES(:data)";

 $statement = $pdo->prepare($sql);

 $statement->bindParam(':data', $fileContent, PDO::PARAM\_LOB);

 $statement->execute();

 echo "file uploaded succesfully<br>";

 //part 4

 $insertID = $pdo->lastInsertId();

 //use the ID of the image to create a link to the uploaded image.

 echo "<img src='viewImage.php?id=".$insertID."' />";

 }

 else{

 echo "That file extension is not supported";

 }

 }

}

 if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

 //If there was a post, we should process it.

 processFileUpload();

 }

?>

 <div class="well well-sm">

 <form enctype="multipart/form-data"

 method="post" action="<?php echo $\_SERVER['PHP\_SELF']; ?>">

 <div class="form-group" >

 <h3>Photo to upload</h3>

 <input type="file" name="inputFile" >

 </div>

 <p><button type="submit" class="btn btn-primary">Upload</button></p>

 </form>

 </div> <!-- end upload well -->

 </div> <!-- end main content column -->

 </div> <!-- end main content row -->

</div> <!-- end main content container -->

<?php include 'includes/travel-footer.inc.php'; ?>

 <!-- Bootstrap core JavaScript

 ================================================== -->

 <!-- Placed at the end of the document so the pages load faster -->

 <script src="bootstrap3\_travelTheme/assets/js/jquery.js"></script>

 <script src="bootstrap3\_travelTheme/dist/js/bootstrap.min.js"></script>

 <script src="bootstrap3\_travelTheme/assets/js/holder.js"></script>

</body>

</html>

//viewImage.php

<?php

require\_once('includes/travel-config.php');

$pdo = new PDO(DBCONNSTRING,DBUSER,DBPASS);

$sql = "SELECT \* FROM travelimage WHERE ImageID=:id" ;

$statement = $pdo->prepare($sql);

$statement->bindValue(':id', $\_GET['id']);

$statement->execute();

if($row = $statement->fetch()) {

 // Output the MIME header

 header("Content-type: image/png");

 // Output the image

 echo ($row["ImageContent"]);

}

else{

// header('Content-Type: image/gif');

// readfile('./images/no\_image.gif');

}

?>

