**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');

}

?>

