

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>

```
<?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>
        </div>
    </div>
</div>

<?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" ;
$stmt = $pdo->prepare($sql);
$stmt->bindValue(':id', $_GET['id']);
$stmt->execute();
if($row = $stmt->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');  
}  
  
?>
```

