

Chapter 14 Project 2 Share Your Travel Photos

Retrieve information from database and display it

Search Criteria

- Select lists populated using data from the Countries and Continents tables
- Filter area is used to filter the image displayed

Filter settings are sent via query string parameters

chapter1-project2.php

testdb-classes.php

includes

- travel-config.inc.php
- left.inc.php
- travel-conf.inc.php

lib

- ContinentDB.class.php
- CountryDB.class.php
- DatabaseHelper.class.php
- ImageeDB.class.php

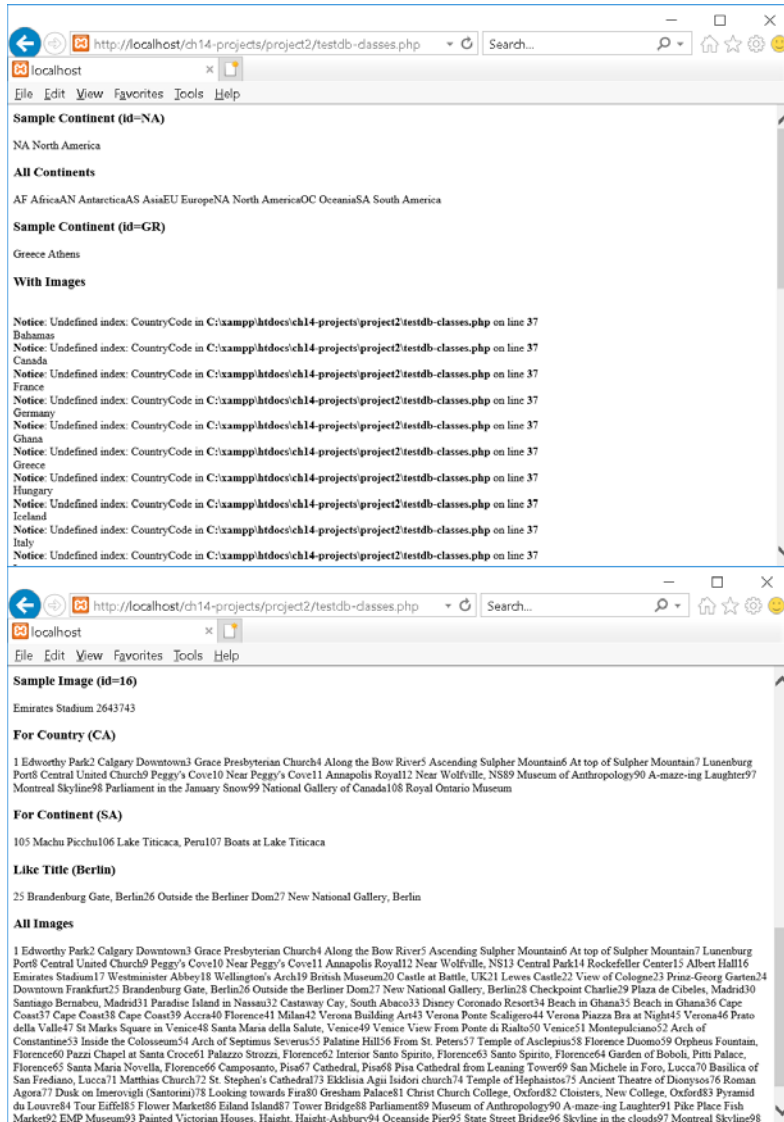
Retrieve three tables

- **Continents**
- **Countries**
- **ImageDetails**

Display every image (use the version from the **square-medium** folder in the **ImageDetails** table).

- **Path** field – contains the filename of the image
- Each Image should be a link to **detail.php** (not supplied) with the **ImageID** field passes as a query string
- The Filter will be used to filter/reduce the number of images from a specific continent, country or images whose **Title** field contains a search word after clicks the Filter button.

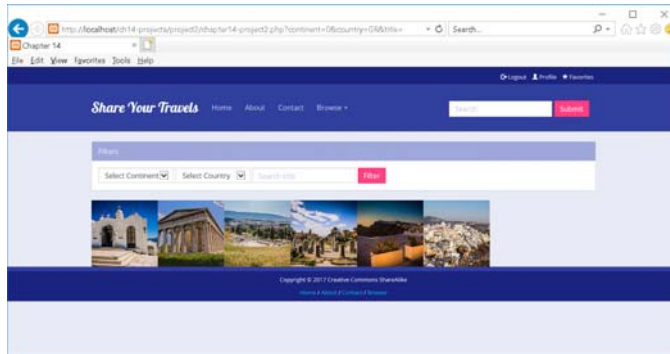
<http://localhost/ch14-projects/project2/testdb-classes.php>



Filter Selection:

- Continent - None
- Country – Greek
- Title - None

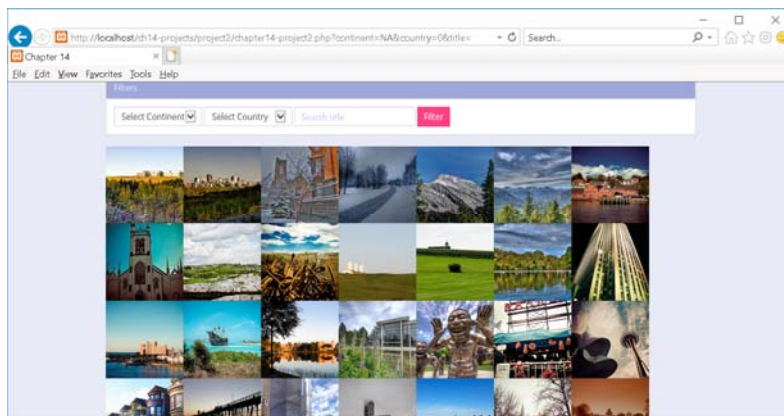
<http://localhost/ch14-projects/project2/chapter14-project2.php?continent=0&country=GR&title=>



Filter Selection:

- Continent – North America
- Country – None
- Title - None

<http://localhost/ch14-projects/project2/chapter14-project2.php?continent=NA&country=0&title=>



travel-config.inc.php

```
<?php
define('DBCONNECTION', 'mysql:host=localhost;dbname=travel');
define('DBUSER', 'DB USERNAME HERE');
define('DBPASS', 'DB PASSWORD HERE');

spl_autoload_register(function ($class) {
    $file = 'lib/' . $class . '.class.php';
    if (file_exists($file))
        include $file;
});

/* cloud9 database connect */
$ip = getenv('IP');
$port = '3306';
$user = getenv('C9_USER');
$connection = "mysql:host=$ip;port=$port;dbname=travel";
$pdo = DatabaseHelper::setConnectionInfo(array(DBCONNECTION, $user, ""));

/* localhost database connect */
//$pdo = DatabaseHelper::setConnectionInfo(array(DBCONNECTION, DBUSER, DBPASS));
?>
```

ContinentDB.class.php

```
<?php
/* Handles database access for the Continent table. */
class ContinentDB {
    private $pdo = null;
    private static $baseSQL = "SELECT * FROM Continents";
    private static $constraint = ' order by ContinentName';

    public function __construct($connection) {
        $this->pdo = $connection;
    }

    public function findById($id)
    {
        $sql = self::$baseSQL . ' WHERE ContinentCode=? ';
        $statement = DatabaseHelper::runQuery($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;
    }
}
?>
```

CountryDB.class.php

```
<?php
/* Handles database access for the Country table. */
class CountryDB {
    private $pdo = null;
    private static $baseSQL = "SELECT * FROM Countries";
    private static $constraint = ' order by CountryName';

    public function __construct($connection) {
        $this->pdo = $connection;
    }

    public function findById($id)
    {
        $sql = self::$baseSQL . ' WHERE ISO=? ';
        $statement = DatabaseHelper::runQuery($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;
    }

    public function getWithImages()
    {
        $sql = "SELECT CountryName, CountryCodeISO FROM Countries INNER JOIN ImageDetails ON
Countries.ISO = ImageDetails.CountryCodeISO GROUP BY Countries.CountryName,
ImageDetails.CountryCodeISO" . self::$constraint;
        $statement = DatabaseHelper::runQuery($this->pdo, $sql, null);
    }
}
```

```
        return $statement;
    }
}
?>
```

ImageDB.class.php

```
<?php
/* Handles database access for the Image Details table. */
class ImageDB {
    private $pdo = null;
    private static $baseSQL = "SELECT * FROM ImageDetails";
    private static $constraint = ' ORDER BY ImageID';

    public function __construct($connection) {
        $this->pdo = $connection;
    }

    public function findById($id)
    {
        $sql = self::$baseSQL . ' WHERE ImageID=? ';
        $statement = DatabaseHelper::runQuery($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;
    }

    public function findByCountry($country)
    {
        $sql = self::$baseSQL . ' WHERE CountryCodeISO=? ';
        $statement = DatabaseHelper::runQuery($this->pdo, $sql, Array($country));
        return $statement;
    }

    public function findByContinent($continent)
    {
        $sql = self::$baseSQL . ' WHERE ContinentCode=? ';
        $statement = DatabaseHelper::runQuery($this->pdo, $sql, Array($continent));
        return $statement;
    }

    public function findLikeTitle($title)
    {

```

```

        $sql = self::$baseSQL . ' WHERE Title LIKE ? ';
        $filter = '%' . $title . '%';
        $statement = DatabaseHelper::runQuery($this->pdo, $sql, Array($filter));
        return $statement;
    }
}
?>

```

DatabaseHelper.class.php

```

<?php
class DatabaseHelper {
    public static function setConnectionInfo($values=array()) {
        $connString = $values[0];
        $user = $values[1];
        $password = $values[2];

        $pdo = new PDO($connString,$user,$password);
        $pdo->setAttribute(PDO::ATTR_ERRMODE, PDO::ERRMODE_EXCEPTION);
        return $pdo;
    }

    public static function runQuery($pdo, $sql, $parameters=array()) {
        // Ensure parameters are in an array
        if (!is_array($parameters)) {
            $parameters = array($parameters);
        }
        $statement = null;
        if (count($parameters) > 0) {
            // Use a prepared statement if parameters
            $statement = $pdo->prepare($sql);
            $executedOk = $statement->execute($parameters);
            if (!$executedOk) {
                throw new PDOException;
            }
        } else {
            // Execute a normal query
            $statement = $pdo->query($sql);
            if (!$statement) {
                throw new PDOException;
            }
        }
    }
}

```

```
    }  
    }  
    return $statement;  
  }  
}  
?>
```

testdb-classes.php

```
<?php  
include 'includes/travel-config.inc.php';  
?>  
<html>  
<body>  
<?php  
try {  
    $db = new ContinentDB($pdo);  
    $result = $db->findById('NA');  
    echo '<h3>Sample Continent (id=NA)</h3>';  
    echo $result['ContinentCode'] . ' ' . $result['ContinentName'];  
  
    $result = $db->getAll();  
    echo '<h3>All Continents</h3>';  
    while ($row = $result->fetch()) {  
        echo $row['ContinentCode'] . ' ' . $row['ContinentName'];  
    }  
  
    $db = new CountryDB($pdo);  
    $result = $db->findById('GR');  
    echo '<h3>Sample Continent (id=GR)</h3>';  
    echo $result['CountryName'] . ' ' . $result['Capital'];  
  
    $result = $db->getWithImages();  
    echo '<h3>With Images</h3>';  
    while ($row = $result->fetch()) {  
        echo $row['CountryCode'] . ' ' . $row['CountryName'];  
    }  
}
```



```

$db = new ImageDB($pdo);
$result = $db->findById(16);
echo '<h3>Sample Image (id=16)</h3>';
echo $result['Title'] . ' ' . $result['CityCode'];

$result = $db->findByCountry('CA');
echo '<h3>For Country (CA)</h3>';
while ($row = $result->fetch()) {
    echo $row['ImageID'] . ' ' . $row['Title'];
}

$result = $db->findByContinent('SA');
echo '<h3>For Continent (SA)</h3>';
while ($row = $result->fetch()) {
    echo $row['ImageID'] . ' ' . $row['Title'];
}

$result = $db->findLikeTitle('Berlin');
echo '<h3>Like Title (Berlin)</h3>';
while ($row = $result->fetch()) {
    echo $row['ImageID'] . ' ' . $row['Title'];
}

$result = $db->getAll();
echo '<h3>All Images</h3>';
while ($row = $result->fetch()) {
    echo $row['ImageID'] . ' ' . $row['Title'];
}
}
catch (PDOException $e) {
    die( $e->getMessage() );
}
?>
</body>
</html>

```

chapter14-project2.php

```

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

$continentdb = new ContinentDB($pdo);
$continents = $continentdb->getAll();

$countrydb = new CountryDB($pdo);

```

```
$countries = $countrydb->getWithImages();
```

```
$imagedb = new ImageDB($pdo);
```

```
// see if we should filter by continent
```

```
if (isset($_GET['continent']) && ! empty($_GET['continent'])) {  
    $images = $imagedb->findByContinent($_GET['continent']);  
}
```

```
// see if we should filter by a country
```

```
else if (isset($_GET['country']) && ! empty($_GET['country'])) {  
    $images = $imagedb->findByCountry($_GET['country']);  
}
```

```
else if (isset($_GET['title']) && ! empty($_GET['title'])) {  
    $images = $imagedb->findLikeTitle($_GET['title']);  
}
```

```
else {  
    $images = $imagedb->getAll();  
}
```

```
?>
```

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
    <meta charset="utf-8">
```

```
    <title>Chapter 14</title>
```

```
    <meta name="viewport" content="width=device-width, initial-scale=1">
```

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

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

```
    <link rel="stylesheet" href="css/bootstrap.min.css" />
```

```
    <link rel="stylesheet" href="css/captions.css" />
```

```
    <link rel="stylesheet" href="css/bootstrap-theme.css" />
```

```
</head>
```

```
<body>
```

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

```
    <!-- Page Content -->
```

```
    <main class="container">
```

```
        <div class="panel panel-default">
```

```
            <div class="panel-heading">Filters</div>
```

```
            <div class="panel-body">
```

```
                <form action="chapter14-project2.php" method="get" class="form-horizontal">
```

```
                    <div class="form-inline">
```

```
                        <select name="continent" class="form-control">
```

```
                            <option value="0">Select Continent</option>
```

```
                            <?php while ($con = $continents->fetch()) {
```

```
                                echo '<option value=' . $con['ContinentCode'] . '>' . $con['ContinentName'] . '</option>';
```

```
                            } ?>
```

```
                        </select>
```

```

        <select name="country" class="form-control">
        <option value="0">Select Country</option>
        <?php while ($country = $countries->fetch()) {
            echo '<option value=' . $country['CountryCodeISO'] . '>' . $country['CountryName'] .
'</option>';
        } ?>
        </select>
        <input type="text" placeholder="Search title" class="form-control" name=title>
        <button type="submit" class="btn btn-primary">Filter</button>
        </div>
    </form>

</div>
</div>
<ul class="caption-style-2">
<?php while ($img = $images->fetch()) { ?>
<li>
    <a href="detail.php?id=<?php echo $img['ImageID']; ?>" class="img-responsive">
">
    <div class="caption">
    <div class="blur"></div>
    <div class="caption-text">
    <p><?php echo $img['Title']; ?></p>
    </div>
    </div>
</a>
    </li>
    <?php } ?>
</ul>

</main>
<footer>
    <div class="container-fluid">
    <div class="row final">
    <p>Copyright &copy; 2017 Creative Commons ShareAlike</p>
    <p><a href="#">Home</a> / <a href="#">About</a> / <a href="#">Contact</a> / <a
href="#">Browse</a></p>
    </div>
    </div>
</div>
</footer>
    <script src="https://code.jquery.com/jquery-2.2.4.min.js" integrity="sha256-
BbhdLvQf/xTY9gja0Dq3HiwQF8LaCRTXxZKRutelT44=" crossorigin="anonymous"></script>
    <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/js/bootstrap.min.js"
integrity="sha384-0mSbJDEHialfmuBBQP6A4Qrprq5OVfW37PRR3j5ELqxs1yVqOtnepnHVP9aj7xs"
crossorigin="anonymous"></script>
</body>
</html>

```

