# PHP and MySQL

## EXERCISE 6: PHOTO ALBUM SERVER VERSION E

### Photo Album Server Version E

Save a copy of **photoalbum-server-version-d.php** and call it **photoalbum-server-version-e.php**.

The aim of this version is to require users to log in to be allowed to either upload or delete images. As we already have the actual upload and delete functionality in place, we simply need to protect it. We will use the same code to implement authentication as in the previous exercise.

The code which acts upon requests to upload or delete images is present at the start of the script in version d. It looks like this:

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| if ( isset( $\_GET['deletionid'])) {  $errorMessage = deletePhotograph( $pdo, $\_GET['deletionid']);  if ( $errorMessage != "") {  print "<div class='errormessage'>$errorMessage</div>\n";  } else {  print "<div class='message'>Image deleted.</div>\n";  }  }  if ( isset( $\_POST['formid']) && $\_POST['formid'] == 'fileupload') {  $photoid = addPhotograph( $pdo, $\_POST['name'], $\_POST['description'], 'self', $\_FILES['uploadfile']);  } |

We don’t want to act upon these things if the user is not logged in. To achieve this we must first call the logInOrOut function to set up the session and handle any log in and log out attempts, and then after that we can check the value of $\_SESSION['user']to see if a user is logged in or not. If not, it will have the value “anonymous”. So we can change the code shown in the box above so that it is inside an if statement as shown below:

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| --- |
| logInOrOut( $pdo, 'users');  if ( $\_SESSION['user'] != "anonymous") {  *...code shown in box above goes here*  } |

Once this change has been made, upload the file to the server and try it out. You will find that the delete links now do nothing and the upload form also does nothing.

This is OK, but obviously we need a way for the user to log in (and log out again). Add the following code for a log in form at the bottom of the script, immediately after the existing code for the image upload form, and just before the <footer> tag. Like the image upload form, this form is hidden by the w3css classes and needs a link to make it pop up.

|  |
| --- |
| <div id='id02' class='w3-modal'>  <div class='w3-modal-dialog'>  <div class='w3-modal-content w3-card-4'>  <header class='w3-container w3-teal'>  <a href='#' class='w3-closebtn'>&times;</a>  <h2>Log in</h2>  </header>  <div class='w3-container'>  <form action='?' method='post' id='loginform' class='w3-container'>  <div class='w3-group'>  <input type='text' name='username' size='16' class='w3-input'>  <label class='w3-label'>Username</label>  </div>  <div class='w3-group'>  <input type='password' name='password' size='16' class='w3-input'>  <label class='w3-label'>Password</label>  </div>  <input type='hidden' name='formid' value='login'>  <input type='submit' value='Log in' id='loginbutton' class='w3-btn'>  </form>  </div>  <footer class='w3-container w3-teal'>  <p></p>  </footer>  </div>  </div>  </div> |

Now add the following code at the top of the script, immediately after the call to logInOrOut. This provides a log-in link if the user is not already logged in, and a log out link if they are. The log-in link simply displays the log-in form, it is when that form is submitted that the log-in actually happens.

|  |
| --- |
| print "<div class='w3-container w3-center'>\n";  if ( $\_SESSION['user'] == "anonymous") {  print " <a href='#id02' class='link'>Log in</a>\n";  } else {  print " User: ".$\_SESSION['user']." Role: ".$\_SESSION['role']." <a href='?logout=true' class='link'>Log out</a>\n";  }  print "</div>\n"; |

Make these changes and you should be able to log in and use the upload and delete features, and then log out and find they no longer work.

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| **EXERCISE 6: PHOTO ALBUM SERVER VERSION E** |
| ***Required in your report (basic exercise).*** |
| * A clickable link to photoalbum-server-version-e.php * Reflection on the tasks and all activities involved. |
| ***Extended Tasks*** |
| * Add conditional statements to the script so that the link to add images and the links to delete images are not displayed unless the user is logged in. |
| *Original additional work:*  *Investigate and experiment with any related subject matter that interests you.* |