# Department of Computing

**CS-344: Web Engineering**

# Multipage Dynamic Web Development Using PHP

**Date: 24.11.22**

**SYEDA FATIMA SHAHID (337346)**

# 

### Task 1

Find the path of the picture from the ‘picPath’ column in the employee table present in the database and then use this path in the ‘src’ attribute of the <img> tag. Make sure to control the width and height of the picture in order to avoid distortion of the table due to large image size. If the ‘picPath’ column is blank i.e., user has not uploaded his profile picture, then display a default picture instead. The picture should be clickable and click on it should open the edit page.

### Task 2

Extend the employee scripts so that user can upload his/her profile picture when creating or updating an employee. Any new record or any change in the record (update) must be saved in the database.

### Task 3

Use super global arrays $\_SESSION and $\_COOKIE appropriately e.g. to store user’s information in the session or to write cookies to store any important thing which can be useful in future.

|  |
| --- |
| TASK 1 |
| CODE:  index.php  <?php  //including the database connection file  include\_once(".\config.php");  $result = mysqli\_query($mysqli, "SELECT e1.employeeNumber as id, e1.picPath, concat(e1.firstName, ' ', e1.lastName) as name,e1.email,e1.jobTitle, concat(COALESCE(addressLine1, ''), ' ', COALESCE(addressLine2, ''), ' ',COALESCE(city, ''), ' ', COALESCE(state, ''),' ',COALESCE(country, '')) as officeAddress,concat(e2.firstName, ' ', e2.lastName, ', ' , e2.jobTitle) as reportsTo FROM employees e1,employees e2, offices where e1.reportsTo = e2.employeeNumber and e1.officeCode = offices.officeCode;"); // using mysqli\_query instead  ?>  <html>  <head>      <title>Table</title>      <link rel="stylesheet" href="styles.css">      <style>          .flex {          display: flex;          justify-content: space-between;          margin: 0px 0px 20px 0px;          }          table td,table th {              border: 2px solid white;              padding:5px;          }          table th {              font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;          }          table td a{              text-decoration: none;          }          #addbtn{              padding:8px 12px;              margin-top:15px;              transition: background 0.8s;              background-color: white;              border-radius: 5px;          }          #addbtn:hover{              background: violet;          }          #addbtn a{              text-decoration: none;              color: black;          }      </style>  </head>  <body style="background-image: url(https://mdbootstrap.com/img/Photos/new-templates/glassmorphism-article/img7.jpg);">  <table border=3 style="margin:auto;border-collapse: collapse;border-color: royalblue;background:white">      <caption><h2 style="color:white;">Employee Table</h2></caption>      <tr bgcolor='violet'>          <th></th>          <th>NAME</th>          <th>EMAIL</th>          <th>JOB TITLE</th>          <th>OFFICE ADDRESS</th>          <th>REPORTS TO</th>          <th>UPDATE</th>      </tr>      <?php          while($res = mysqli\_fetch\_array($result)) {              echo "<tr>";              if($res['picPath'] != NULL){                  echo "<td> <a href=edit.php?id=$res[id]>";                  echo "<img src=".$res['picPath']." alt='Employee Picture' width = '80px' height = '80px'>";                  echo "</a></td>";              }              else{                  echo "<td> <a href='edit.php?id=$res[id]'>";                  echo "<img src='.\imgs\user-1699635\_960\_720.png' alt='Default Picture' width = '80px' height = '80px'>";                  echo "</a></td>";              }              echo "<td><b>".$res['name']."</td>";              echo "<td>".$res['email']."</td>";              echo "<td>".$res['jobTitle']."</td>";              echo "<td>".$res['officeAddress']."</td>";              echo "<td>".$res['reportsTo']."</td>";              echo "<td><a style=\"color:orange;\" href=\"edit.php?id=$res[id]\">Edit</a> | <a style=\"color:red;\" href=\"delete.php?id=$res[id]\" onClick=\"return confirm('Are you sure you want to delete?')\">Delete</a></td>";          }          $mysqli->close();      ?>      </table>      <div style="text-align:center">          <button id="addbtn"> <a href="create.html"><b>Add Employee</a></button>      </div>  </body>  </html>  SCREENSHOTS:    Default picture |

|  |
| --- |
| TASK 2 |
| CODE:  create.php  <html>  <head>      <title>Add Data</title>  </head>  <body>  <?php  //including the database connection file  include\_once(".\config.php");  // all attributes of employee table uncluded in input fields  if(isset($\_POST['Submit'])) {      $picPath = mysqli\_real\_escape\_string($mysqli, $\_POST['picPath']);      $employeeNumber = mysqli\_real\_escape\_string($mysqli, $\_POST['id']);      $firstName = mysqli\_real\_escape\_string($mysqli, $\_POST['firstName']);      $lastName = mysqli\_real\_escape\_string($mysqli, $\_POST['lastName']);      $extension = 'x' . mysqli\_real\_escape\_string($mysqli, $\_POST['extension']);   // format of extension: x0000      $email = mysqli\_real\_escape\_string($mysqli, $\_POST['email']);      $officeCode = mysqli\_real\_escape\_string($mysqli, $\_POST['officeCode']);      $reportsTo = mysqli\_real\_escape\_string($mysqli, $\_POST['reportsTo']);      $jobTitle = mysqli\_real\_escape\_string($mysqli, $\_POST['jobTitle']);        // checking empty fields      if(empty($picPath) || empty($employeeNumber) ||empty($firstName) ||empty($lastName) || empty($extension) || empty($email)||empty($officeCode) ||empty($reportsTo)||empty($jobTitle)) {          if(empty($picPath)) {              $picPath = "";          }          if(empty($employeeNumber)) {              echo "<font color='red'>ID field is empty.</font><br/>";          }          if(empty($firstName)) {              echo "<font color='red'>First Name field is empty.</font><br/>";          }          if(empty($lastName)) {              echo "<font color='red'>Last Name field is empty.</font><br/>";          }            if(empty($extension)) {              echo "<font color='red'>Extension field is empty.</font><br/>";          }            if(empty($email)) {              echo "<font color='red'>Email field is empty.</font><br/>";          }          if(empty($officeCode)) {              echo "<font color='red'>Office Code field is empty.</font><br/>";          }          if(empty($reportsTo)) {              echo "<font color='red'>Reports To field is empty.</font><br/>";          }          if(empty($jobTitle)) {              echo "<font color='red'>Job Title field is empty.</font><br/>";          }            //link to the previous page          echo "<br/><a href='javascript:self.history.back();'>Go Back</a>";      } else {          // if all the fields are filled (not empty)            //insert data to database          $result = mysqli\_query($mysqli, "INSERT INTO employees VALUES('$picPath','$employeeNumber','$lastName', '$firstName','$extension','$email','$officeCode','$reportsTo','$jobTitle')");            //display success message          echo "<font color='green'>Record added successfully!";          echo "<br/><a style=\"text-decoration:none;color:royalblue;\" href='index.php'>View Changes</a>";      }        $mysqli->close();  }  ?>  </body>  </html>  create.html  <html>    <head>      <title>Add Data</title>      <link rel="stylesheet" href="styles.css">      <style>        #addbtn{          padding:8px 20px;          margin-top:15px;          transition: background 0.8s;          background-color: white;          border-radius: 5px;          color: black;          font-weight: bold;        }        #addbtn:hover{            background: violet;        }        body>a{          text-decoration: none;          color: royalblue;          transition: color 0.8s;        }        body>a:hover{          color:navy;        }      </style>    </head>    <body>      <a href="index.php"><h3>Home</h3></a>      <br />      <form action="create.php" method="post" name="form1">        <div style="width: 25%">          <div class="flex">            <label>ID</label>            <input type="number" name="employeeNumber" required />          </div>          <div class="flex">            <label>First Name</label>            <input type="text" name="firstName" required />          </div>          <div class="flex">            <label>Last Name</label>            <input type="text" name="lastName" required />          </div>          <div class="flex">            <label>Extension</label>            <input type="number" name="extension" required />          </div>          <div class="flex">            <label>Email</label>            <input type="email" name="email" required />          </div>          <div class="flex">            <label>Office Code</label>            <input type="number" name="officeCode" required />          </div>          <div class="flex">            <label>Reports To</label>            <input type="number" name="reportsTo" required />          </div>          <div class="flex">            <label>Job Title</label>            <input type="text" name="jobTitle" required />          </div>          <div class="flex">            <label for="img">Profile Picture:</label>            <input type="file" name="picPath" accept="image/\*" />          </div>          <div class="flex">            <input type="submit" name="Submit" value="Add" id="addbtn"/>          </div>        </div>      </form>    </body>  </html>  edit.php  <?php  // including the database connection file  include\_once(".\config.php");  if(isset($\_POST['update'])){      $picPath = mysqli\_real\_escape\_string($mysqli, $\_POST['picPath']);      $employeeNumber = mysqli\_real\_escape\_string($mysqli, $\_POST['employeeNumber']);      $firstName = mysqli\_real\_escape\_string($mysqli, $\_POST['firstName']);      $lastName = mysqli\_real\_escape\_string($mysqli, $\_POST['lastName']);      $extension = 'x' . mysqli\_real\_escape\_string($mysqli, $\_POST['extension']);      $email = mysqli\_real\_escape\_string($mysqli, $\_POST['email']);      $officeCode = mysqli\_real\_escape\_string($mysqli, $\_POST['officeCode']);      $reportsTo = mysqli\_real\_escape\_string($mysqli, $\_POST['reportsTo']);      $jobTitle = mysqli\_real\_escape\_string($mysqli, $\_POST['jobTitle']);        // checking empty fields      if(empty($picPath) || empty($employeeNumber) ||empty($firstName) ||empty($lastName) || empty($extension) || empty($email)||empty($officeCode) ||empty($reportsTo)||empty($jobTitle)) {            if(empty($picPath)) {            $picPath="";          }          if(empty($employeeNumber)) {              echo "<font color='red'>ID field is empty.</font><br/>";          }          if(empty($firstName)) {              echo "<font color='red'>First Name field is empty.</font><br/>";          }          if(empty($lastName)) {              echo "<font color='red'>Last Name field is empty.</font><br/>";          }            if(empty($extension)) {              echo "<font color='red'>Extension field is empty.</font><br/>";          }            if(empty($email)) {              echo "<font color='red'>Email field is empty.</font><br/>";          }          if(empty($officeCode)) {              echo "<font color='red'>Office Code field is empty.</font><br/>";          }          if(empty($reportsTo)) {              echo "<font color='red'>Reports To field is empty.</font><br/>";          }          if(empty($jobTitle)) {              echo "<font color='red'>Job Title field is empty.</font><br/>";          }            //link to the previous page          echo "<br/><a href='javascript:self.history.back();'>Go Back</a>";      } else {          //updating the table          $result = mysqli\_query($mysqli, "UPDATE employees SET picPath='$picPath', firstName='$firstName',lastName='$lastName',extension='$extension',email='$email',officeCode='$officeCode',reportsTo='$reportsTo',jobTitle='$jobTitle' WHERE employeeNumber=$employeeNumber");            $mysqli->close();          //redirectig to the display page. In our case, it is index.php          header("Location: index.php");      }  }  ?>  <?php  // using GET to retrieve employee number from URL  $employeeNumber = $\_GET['employeeNumber'];  // Retrieving data of the selected employee  $result = mysqli\_query($mysqli, "SELECT \* FROM employees WHERE employeeNumber=$employeeNumber");  while($res = mysqli\_fetch\_array($result)){      $picPath = $res['picPath'];      $firstName =  $res['firstName'];      $lastName =  $res['lastName'];      $extension =  substr($res['extension'],1);      $email =  $res['email'];      $officeCode =  $res['officeCode'];      $reportsTo = $res['reportsTo'];      $jobTitle =  $res['jobTitle'];  }  $mysqli->close();  ?>  <html>  <head>      <title>Edit Data</title>      <link rel="stylesheet" href="styles.css">      <style>        #updatebtn{          padding:8px 12px;          margin-top:15px;          transition: background 0.8s;          background-color: white;          border-radius: 5px;          color: black;          font-weight: bold;        }        #updatebtn:hover{            background: violet;        }        body>a{          text-decoration: none;          color: royalblue;          transition: color 0.8s;        }        body>a:hover{          color:navy;        }      </style>  </head>  <body>      <a href="index.php"><h3>Home</h3></a>      <br/>      <form action="edit.php" method="post" name="form1">        <div style="width: 20%">          <div class="flex">            <label>First Name</label>            <input type="text" name="firstName" required value="<?php echo $firstName;   ?>"/>          </div>          <div class="flex">            <label>Last Name</label>            <input type="text" name="lastName" required value="<?php echo $lastName;   ?>"/>          </div>          <div class="flex">            <label>Extension</label>            <input type="number" name="extension" required value="<?php echo $extension;   ?>"/>          </div>          <div class="flex">            <label>Email</label>            <input type="email" name="email" required value="<?php echo $email;   ?>"/>          </div>          <div class="flex">            <label>Office Code</label>            <input type="number" name="officeCode" required value="<?php echo $officeCode;   ?>"/>          </div>          <div class="flex">            <label>Reports To</label>            <input type="number" name="reportsTo" required value="<?php echo $reportsTo;   ?>"/>          </div>          <div class="flex">            <label>Job Title</label>            <input type="text" name="jobTitle" required value="<?php echo $jobTitle;   ?>"/>          </div>          <div class="flex">            <label for="img">Profile Picture:</label>            <input type="text" name="picPath" value="<?php echo $picPath;   ?>"/>          </div>          <div class="flex">              <td><input type="hidden" name="employeeNumber" value="<?php echo $\_GET['id'];?>"></td>              <td><input type="submit" name="update" value="Update" id="updatebtn"></td>          </div>        </div>      </form>      </body>  </html>  SCREENSHOTS:  Adding an Employee    Choosing Profile Picture    Adding an Employee    Updating an Employee    Changing Email of “Mary Patterson”    Updated in Table and Database |

|  |
| --- |
| **TASK 3** |
| **CODE:**  **login.php**  <?php  session\_start();  $\_SESSION['userName'] = "Fatima";  $\_SESSION['cmdId'] = 337346;  setcookie("University", "NUST", time() + (86400), "/"); // 86400s = 1 day  echo($\_SESSION['userName'] . '! Log in successfull!');  echo("<br>Cookies have been set");  echo "<br/><a style=\"text-decoration:none;color:royalblue;\" href='index.php'>View Changes</a>";  ?>  **logout.php**  <?php  session\_start();  session\_unset();  session\_destroy();  echo("You have been logged out! Log in again to continue<br>");  echo ("<br/><a style=\"text-decoration:none;color:royalblue;\" href='login.php'>Go to log in page</a>");  ?>  **Changes in index.php**  <?php  session\_start();  $cValue = $\_COOKIE['University'];  if(isset($\_SESSION['userName'])){      echo('Welcome ' . $\_SESSION['userName']);      echo('<br>CMS ID: ' . $\_SESSION['cmdId']);      echo("<br>University: <i><b>$cValue</b></i>");      echo "<br/><a href='logout.php'>Go to Logout Page</a>";  }  else{      echo('Please Log In to Continue');      echo ('<br/><a href="login.php" target="\_blank">Login Page</a>');  }  ?>  **SCREENSHOTS:**  **Upon Log In:**    **After Log Out:** |