

4TL

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COS10026

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# ABOUT US

4TL COMPANY

- 4TL WILL NEVER FAIL -

**01**

**HUYNH BA THANH**



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Working on HR Manager Queries and  
Settings.PHP

**02**

**HO THANH PHONG**



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Working on Jobs Description and updating  
the previous Style.CSS

**03**

**LAI VU CHI AN**



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Working on updating previous HTML pages and  
Process\_EOI.PHP

# USE PHP TO REUSE COMMON ELEMENTS IN WEB SITE

Rewrite web pages so that the common static HTML elements such as menu, header and footer, are written in common text files that are then “included” back into web pages.

```
<footer>
<div class="footer-container">
  <div class="footer-top">
    <div class="footer-section">
      Pioneering the next wave of digital innovation with cutting-edge solutions.</p>
      <div class="social-links">
        <a href="#"><i class='bx bxl-facebook'></i></a>
        <a href="#"><i class='bx bxl-twitter'></i></a>
        <a href="#"><i class='bx bxl-linkedin'></i></a>
        <a href="#"><i class='bx bxl-instagram'></i></a>
      </div>
    </div>
    <div class="footer-section">
      <h4>Quick Links</h4>
      <ul>
        <li><a href="about.html">About Us</a></li>
        <li><a href="jobs.html">Careers</a></li>
        <li><a href="#">Services</a></li>
        <li><a href="#">Projects</a></li>
      </ul>
    </div>
    <div class="footer-section">
      <h4>Resources</h4>
      <ul>
        <li><a href="#">Blog</a></li>
        <li><a href="#">Newsletter</a></li>
        <li><a href="#">Events</a></li>
        <li><a href="#">Help Center</a></li>
      </ul>
    </div>
  </div>
</div>
```

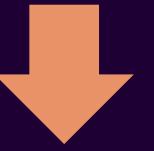
```
<head>
  <meta charset="utf-8" />
  <meta name="description" content="Project 2" />
  <meta name="keywords" content="project 2" />
  <meta name="author" content="4TL"/>
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <title>Project 2</title>
  <link rel="stylesheet" href="styles/style.css" />
  <link href='https://unpkg.com/boxicons@2.1.4/css/boxicons.min.css' rel='stylesheet' />
</head>
```

```
<div class="footer-section">
  <h4>Newsletter</h4>
  <p>Subscribe to our newsletter for updates</p>
  <form class="newsletter-form">
    <input type="email" placeholder="Enter your email" />
    <button type="submit">Subscribe</button>
  </form>
</div>
<div class="footer-bottom">
  <p>© 2025 4TL Corporation. All rights reserved.</p>
  <div class="footer-bottom-links">
    <a href="#">Privacy Policy</a>
    <a href="#">Terms of Service</a>
    <a href="#">Cookie Policy</a>
  </div>
</div>
</div>
</footer>
```

```
<header>
  <div id="navbar" class="obj-width">
    <a href="index.php"></a>
    <!-- responsive navbar -->
    <input type="checkbox" id="nav-toggle" class="nav-toggle" />
    <ul id="menu">
      <li><a href="manage_login.php">Manage</a></li>
      <li><a href="jobs.php">Jobs</a></li>
      <li><a href="about.php">About</a></li>
      <li><a href="apply.php">Apply</a></li>
      <li><a href="enhancements.php">Enhancements</a></li>
    </ul>
    <label for="nav-toggle" class="nav-toggle-label">
      <i class='bx bx-menu'></i>
    </label>
  </div>
</header>
// menu.inc
```

# USE PHP TO REUSE COMMON ELEMENTS IN WEB SITE

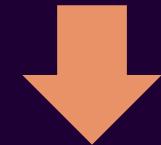
```
<!DOCTYPE html>
<html lang="vi">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Job application page</title>
    <link rel="stylesheet" type="text/css" href="style/style.css">
    <link rel="apple-touch-icon" sizes="57x57" href="images/logo/apple-icon-57x57.png">
    <link rel="apple-touch-icon" sizes="60x60" href="images/logo/apple-icon-60x60.png">
    <link rel="apple-touch-icon" sizes="72x72" href="images/logo/apple-icon-72x72.png">
    <link rel="apple-touch-icon" sizes="76x76" href="images/logo/apple-icon-76x76.png">
    <link rel="apple-touch-icon" sizes="114x114" href="images/logo/apple-icon-114x114.png">
    <link rel="apple-touch-icon" sizes="120x120" href="images/logo/apple-icon-120x120.png">
    <link rel="apple-touch-icon" sizes="144x144" href="images/logo/apple-icon-144x144.png">
    <link rel="apple-touch-icon" sizes="152x152" href="images/logo/apple-icon-152x152.png">
    <link rel="apple-touch-icon" sizes="180x180" href="images/logo/apple-icon-180x180.png">
    <link rel="icon" type="image/png" sizes="192x192" href="images/logo/android-icon-192x192.png">
    <link rel="icon" type="image/png" sizes="32x32" href="images/logo/favicon-32x32.png">
    <link rel="icon" type="image/png" sizes="96x96" href="images/logo/favicon-96x96.png">
    <link rel="icon" type="image/png" sizes="16x16" href="images/logo/favicon-16x16.png">
    <link rel="manifest" href="images/logo/manifest.json">
    <meta name="msapplication-TitleColor" content="#ffffff">
    <meta name="msapplication-TileImage" content="/ms-icon-144x144.png">
    <meta name="theme-color" content="#ffffff">
</head>
<body class="apply-body">
    <header>
        <div id="navbar" class="obj-width">
            <a href="index.html"></a>
            <!--responsive navbar-->
            <input type="checkbox" id="nav-toggle" class="nav-toggle">
            <ul id="menu">
                <li><a href="jobs.html">Jobs</a></li>
                <li><a href="about.html">About</a></li>
                <li><a href="apply.html">Apply</a></li>
                <li><a href="enhancement.html">Enhancements</a></li>
            </ul>
            <label for="nav-toggle" class="nav-toggle-label">
                <i class='bx bx-menu'></i>
            </label>
        </div>
    </header>
    <h1> Job Application Form </h1>
    <fieldset id="WebL">
```



```
<!DOCTYPE html>
<html lang="en">
<?php
    include 'header.inc';
?>
<body class="apply-body">
<?php
    include 'menu.inc';
?>
    <h1> Job Application Form </h1>
    <fieldset id="WebL">
```

# USE PHP TO REUSE COMMON ELEMENTS IN WEB SITE

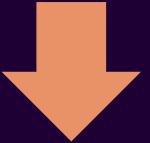
```
<input type="radio" required="required" name="Gender"><i id="gioitinh"> Male </i>
| <input type="radio" name="Gender"> <i id="gioitinh"> Female </i>
| | <input type="radio" name="Gender"><i id="gioitinh"> Others </i> <br>
</fieldset>
<br>
<fieldset>
| | <legend>Street Address</legend>
<br>
<input type="text" size="50" width="50" maxlength="40" name="Street Address" required="required" />
</fieldset>
<br>
<fieldset>
| | <legend>Suburb/town</legend>
<br>
<input type="text" size="50" width="50" maxlength="40" name="Suburb/town" required="required"/>
</fieldset>
<br>
<br>
<label>State: </label>
<select name="State" required="required" >
| | <option value="">Please select your State</option>
```



```
<input type="radio" required="required" name="gender" value="Male"><i id="gender"> Male </i>
| <input type="radio" name="gender" value="Female"> <i id="gender"> Female </i>
| | <input type="radio" name="gender" value="Others"><i id="gender"> Others </i> <br>
</fieldset>
<br>
<fieldset>
| | <legend>Street Address</legend>
<br>
<input type="text" size="50" width="50" maxlength="40" name="street" required="required" id="street"/>
</fieldset>
<br>
<fieldset>
| | <legend>Suburb/town</legend>
<br>
<input type="text" size="50" width="50" maxlength="40" name="suburb" required="required" id="suburb"/>
</fieldset>
<br>
<br>
<label for="state">State: </label>
<select name="state" required="required" id="state" >
```

# USE PHP TO REUSE COMMON ELEMENTS IN WEB SITE

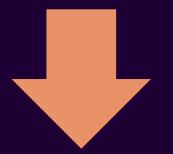
```
<legend>Skill list</legend>
<input type="checkbox" name="Skills[]"><i id="kynang"> Team Work </i>
<br>
<input type="checkbox" name="skills[]"/><i id="kynang"> Marketing </i>
<br>
<input type="checkbox" name="Skills[]"><i id="kynang"> Microsoft </i><br>
<br>
<fieldset>
    <legend>Other skills: </legend>
<br>
<textarea
    name="Skills[]"
    rows="10"
    cols="30">
</textarea>
```



```
<legend>Skill list</legend>
<input type="checkbox" name="skills[]" value="Team Work"><i id="kynang"> Team Work </i>
<br>
<input type="checkbox" name="skills[]" value="Marketing"><i id="kynang"> Marketing </i>
<br>
<input type="checkbox" name="skills[]" value="Microsoft"><i id="kynang"> Microsoft </i><br>
<br>
<fieldset>
    <legend>Other skills: </legend>
<br>
<textarea
    name="other_skills"
    rows="10"
    cols="30"
    id="other_skills">
</textarea>
```

# USE PHP TO REUSE COMMON ELEMENTS IN WEB SITE

```
<br><br><br>
</fieldset>
<footer>
  <div class="footer-container">
    <div class="footer-top">
      <div class="footer-section">
        
        <p>Pioneering the next wave of digital innovation with cutting-edge solutions.</p>
        <div class="social-links">
          <a href="#"><i class='bx bxl-facebook'></i></a>
```



```
<br><br><br>
</fieldset>
<?php
  include 'footer.inc';
?>
</body>
```

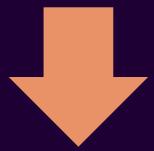
# USE PHP TO REUSE COMMON ELEMENTS IN WEB SITE

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

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>4tl-homepage</title>
  <link rel="stylesheet" href="style/style.css">
</head>

<body class="index-body">
  <!-- Header -->
  <header>
    <div id="navbar" class="obj-width">
      <a href="index.html"></a>
      <!--responsive navbar-->
      <input type="checkbox" id="nav-toggle" class="nav-toggle">
      <ul id="menu">
        <li><a href="jobs.html">Jobs</a></li>
        <li><a href="about.html">About</a></li>
        <li><a href="apply.html">Apply</a></li>
        <li><a href="enhancement.html">Enhancements</a></li>
      </ul>
      <label for="nav-toggle" class="nav-toggle-label">
        <i class='bx bx-menu'></i>
      </label>
    </div>
  </header>
  <div id="hero">
    <div id="glass">
      <h1>Recruitment News</h1>
      <p>At 4TL, we're not just another IT company □ we're a passionate team of innovators
      We're looking for talented, driven individuals who are ready to make an impact in

```

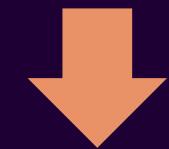


```
<!DOCTYPE html>
<html lang="en">

<?php
  include 'header.inc';
?>
<body class="index-body">
<?php
  include 'menu.inc';
?>
<div id="hero">
  <div id="glass">
    <h1>Recruitment News</h1>
    <p>At 4TL, we're not just another IT company □ we're a passionate team of innovators
    We're looking for talented, driven individuals who are ready to make an impact in
```

# USE PHP TO REUSE COMMON ELEMENTS IN WEB SITE

```
</div>
<div class="footer-bottom">
    <p>&copy; 2025 four technology labs. All rights reserved.</p>
    <div class="footer-bottom-links">
        <a href="#">Privacy Policy</a>
        <a href="#">Terms of Service</a>
        <a href="#">Cookie Policy</a>
    </div>
</div>
</div>
</body>
```



```
</div>
<?php
    include 'footer.inc';
?>
</body>
```

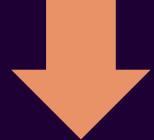
# USE PHP TO REUSE COMMON ELEMENTS IN WEB SITE

```
<footer>
    <div class="footer-container">
        <div class="footer-top">
            <div class="footer-section">
                
                <p>4TL: Powering the Future, Leading the World in IT Excellence.</p>
                <div class="social-links">
                    <a href="#"><i class='bx bxl-facebook'></i></a>
                    <a href="#"><i class='bx bxl-twitter'></i></a>
                    <a href="#"><i class='bx bxl-linkedin'></i></a>
                    <a href="#"><i class='bx bxl-instagram'></i></a>
                </div>
            </div>
        </div>
    </div>
```

# UPDATE ABOUT PAGE (ABOUT.PHP)

Update members contribution and timetable on the about page.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="utf-8" />
  <meta name="description" content="A page with my group details" />
  <meta name="keywords" content="our info" />
  <meta name="author" content="Huynh Ba Thanh"/>
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>About us</title>
  <link rel="stylesheet" href="style/style.css">
  <link href='https://unpkg.com/boxicons@2.1.4/css/boxicons.min.css' rel='stylesheet'>
</head>
<body class="about-body">
  <!-- Header -->
  <header>
    <div id="navbar" class="obj-width">
      <a href="index.html"></a>
      <!--responsive navbar-->
      <input type="checkbox" id="nav-toggle" class="nav-toggle">
      <ul id="menu">
        <li><a href="jobs.html">Jobs</a></li>
        <li><a href="about.html">About</a></li>
        <li><a href="apply.html">Apply</a></li>
        <li><a href="enhancement.html">Enhancements</a></li>
      </ul>
      <label for="nav-toggle" class="nav-toggle-label">
        <i class='bx bx-menu'></i>
      </label>
    </div>
  </header>
  <article>
    <dl id="brief" class="about-us">
```

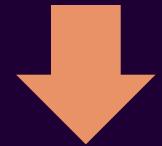


```
<!DOCTYPE html>
<html lang="en">
<?php
  include 'header.inc';
?>
<body class="about-body">
  <?php
    include 'menu.inc';
?>
  <article>
    <dl id="brief" class="about-us">
```

# UPDATE ABOUT PAGE (ABOUT.PHP)

Update members contribution and timetable on the about page.

```
<div class="contact-us">
<h2>Contact us</h2>
<p id="phrasecontact">If you have any question, don't hesitate to contact us via this <b><i><a href="mailto:thanh14082052@gmail.com">email</a></i></b></p>
</article>
</footer>
<div class="footer-container">
    <div class="footer-top">
        <div class="footer-section">
            
            <p>Pioneering the next wave of digital innovation with cutting-edge solutions.</p>
            <div class="social-links">
                <a href="#"><i class='bx bxl-facebook'></i></a>
                <a href="#"><i class='bx bxl-twitter'></i></a>
                <a href="#"><i class='bx bxl-linkedin'></i></a>
                <a href="#"><i class='bx bxl-instagram'></i></a>
            </div>
        </div>
    </div>
```



```
<div class="contact-us">
<h2>Contact us</h2>
<p id="phrasecontact">If you have any question, don't hesitate to contact us via this <b><i><a href="mailto:thanh14082052@gmail.com">email</a></i></b></p>
</article>
<?php
    include 'footer.inc';
?>
</body>
```

# CREATE AN EOI TABLE (EXPRESSIONS OF INTEREST) AND ADDING VALIDATED RECORDS TO THE EOI TABLE (PROCESS\_EOI.PHP)

```
<!DOCTYPE html>
<html lang="en">
<head>
<title>Process EOI</title>

<meta charset="utf-8" />
<meta name="description" content="project2" />
<meta name="keywords" content="process eoi" />

</head>
<body>
<?php

require_once "settings.php";
$conn = @mysqli_connect($host, $user, $pwd, $sql_db);

//prevent direct access by url
if ($_SERVER["REQUEST_METHOD"] !== "POST") {
    header("Location: apply.php");
    exit();
}

//Sanitize and validate input
$job_ref = htmlspecialchars(trim($_POST['job_ref']));
$first_name = htmlspecialchars(trim($_POST['first_name']));
$last_name = htmlspecialchars(trim($_POST['last_name']));
$dob = htmlspecialchars(trim($_POST['dob']));
$gender = htmlspecialchars(trim($_POST['gender']));
$street = htmlspecialchars(trim($_POST['street']));
$suburb = htmlspecialchars(trim($_POST['suburb']));
$urstate = htmlspecialchars(trim($_POST['state']));
$postcode = htmlspecialchars(trim($_POST['postcode']));
$email = htmlspecialchars(trim($_POST['email']));
$phone = htmlspecialchars(trim($_POST['phone']));
$skills = isset($_POST['skills']) ? implode(", ", $_POST['skills']) : ""; // Convert array to string
$other_skills = htmlspecialchars(trim($_POST['other_skills']));
$status = 1;

//age calculation
$dob_date = new DateTime($dob);
$current_date = new DateTime();
$age = $dob_date -> diff($current_date) -> y;
```

```
// Server-side validation
$errors = [];
if (!preg_match("/^a-zA-Z0-9{5}/", $job_ref)) $errors[] = "Invalid Job Reference Number.";
if (!preg_match("/^a-zA-Z {1,20}/", $first_name)) $errors[] = "Invalid First Name.";
if (!preg_match("/^a-zA-Z {1,20}/", $last_name)) $errors[] = "Invalid Last Name.";
if ($age < 15 || $age > 80) $errors[] = "Age must be between 15 and 80.";
if (!$gender) $errors[] = "You must select your Gender";
if (!preg_match("/^a-zA-Z0-9 {1,40}/", $street)) $errors[] = "Invalid Street Address.";
if (!preg_match("/^a-zA-Z0-9 {1,40}/", $suburb)) $errors[] = "Invalid Suburb/town.";
if (!in_array($urstate, ["VIC", "NSW", "QLD", "NT", "WA", "SA", "TAS", "ACT"])) $errors[] = "Invalid State.";
if (!preg_match("/^\d{4}/", $postcode)) $errors[] = "Invalid Postcode.";
if (!filter_var($email, FILTER_VALIDATE_EMAIL)) $errors[] = "Invalid Email address.";
if (!preg_match("/^0-9{8,12}/", $phone)) $errors[] = "Invalid Phone Number.";
if (empty($skills) && empty($other_skills)) $errors[] = "You must enter some skills.";

if (!empty($errors)) {
    foreach ($errors as $error) {
        echo "<p>$error</p>";
    }
    exit();
}

//adding process

$sql_table = "eoи";
$query = "INSERT INTO $sql_table (job_ref_num, first_name, last_name, dob, gender, street, suburb, urstate, postcode, email, p
'$suburb', '$urstate', '$postcode', '$email', '$phone', '$skills', '$other_skills', '$status')";
$result = mysqli_query($conn, $query);
if (!$result) {
    echo "<p class='wrong'>Something is wrong with ", $query, "</p>";
} else {
    echo "<p class='ok'>Successfully added New member information</p>";
    echo "<p>You can back to the apply page <a href='apply.php'>here</a></p>";
}
mysqli_close($conn);

?>
</body>
```

# ETHICAL CONSIDERATIONS IN AI-DRIVEN CYBERSECURITY

---

The use of AI in cybersecurity raises important ethical considerations, including bias, transparency, and accountability.

01

## Privacy Concerns

AI systems may collect and analyze large amounts of data, raising concerns about privacy and data protection.

03

## Transparency and Accountability

It is important to ensure that AI-powered security systems are transparent and accountable for their actions.

02

## Bias and Discrimination

AI algorithms can be biased, leading to unfair or discriminatory outcomes in cybersecurity decisions.

04

## Ethical Decision-Making

Cybersecurity professionals need to be trained to make ethical decisions when using AI-powered tools.

# SETTINGS.PHP

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="utf-8">
    <title>Settings</title>
</head>
<body>
    <?php
        $host="feenix-mariadb.swin.edu.au";
        $user= "s105029615";
        $pwd = "thanh105029615";
        $sql_db = "s105029615_db";
    ?>
</body>
```

# HR MANAGER QUERIES (MANAGE.PHP)

Create a web page manage.php that allows a manager to make the following queries of the eoi table and returns a web page.

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

<?php
| include 'header.inc';
?>

<body class="manage-body">
<?php
| include 'menu.inc';
?>
<?php
| session_start();
if (!isset($_SESSION["user_id"]) || $_SESSION["role"] !== "manager") {
    header("Location: index.php"); // Redirect unauthorized users
    exit();
}
?>
<div class="search_eoi_info">
<form method="POST" action="manage.php" id="search_eoi_info_form">
    <h2>Search EOI</h2>
    <label for="job_ref">Job reference number:</label>
    <input type="text" name="job_ref">

    <label for="first_name">First Name:</label>
    <input type="text" name="first_name">

    <label for="last_name">Last Name:</label>
    <input type="text" name="last_name">

    <input type="submit" name="search_eoi" value="Search" id="searchbutton">
</form>
<form method="POST" action="managing.php" id="delete_form">
    <h2>Delete EOI</h2>
    <label for="delete_job_ref">Job Reference Number:</label>
    <input type="text" name="delete_job_ref" required>
    <input type="submit" name="delete_eoi" value="Delete EOIs" id="deletebutton">
</form>
<form method="POST" action="managing.php" id="status_form">
    <h2>Change Status</h2>
    <label for="eoi_number">EOI Number:</label>
    <input type="number" name="eoi_number" required>

    <label for="new_status">Select New Status:</label>
    <select name="new_status" required>
        <option value="1">New</option>
        <option value="2">Current</option>
        <option value="3">Final</option>
    </select>

    <input type="submit" name="update_status" value="Update Status" id="updatebutton">
</form>
</div>
<div>
<?php
```

```
<body class="manage-body">
    }
    // Append sorting
    $query .= " ORDER BY $sortColumn $sortOrder";
    // Prepare and execute query
    $stmt = mysqli_prepare($conn, $query);
    if (!empty($params)) {
        $bindParams = [$stmt, $types];
        // Convert each element in $params to a reference
        foreach ($params as $key => $value) {
            $bindParams[] = &$amp;params[$key];
        }
        call_user_func_array('mysqli_stmt_bind_param', $bindParams);
    }
    mysqli_stmt_execute($stmt);
    $result = mysqli_stmt_get_result($stmt);
    // Function to toggle sorting order
    function toggleSort($column) {
        $currentOrder = (isset($_GET['order']) && $_GET['order'] === "ASC") ? "DESC" : "ASC";
        $sortParam = isset($_GET['sort']) ? $_GET['sort'] : "";
        return ($column === $sortParam) ? $currentOrder : "ASC";
    }
    >>>
<table class="members_info_table">
<tr>
    <th><a href=?sort=EOInumber&order=<?php echo toggleSort('EOInumber'); ?>>EOI Number</a></th>
    <th><a href=?sort=job_ref_num&order=<?php echo toggleSort('job_ref_num'); ?>>Job Reference Number</a></th>
    <th><a href=?sort=last_name&order=<?php echo toggleSort('first_name'); ?>>First Name</a></th>
    <th><a href=?sort=first_name&order=<?php echo toggleSort('last_name'); ?>>Last Name</a></th>
    <th><a href=?sort=dob&order=<?php echo toggleSort('dob'); ?>>DOB</a></th>
    <th><a href=?sort=gender&order=<?php echo toggleSort('gender'); ?>>Gender</a></th>
    <th><a href=?sort=street&order=<?php echo toggleSort('street'); ?>>Street</a></th>
    <th><a href=?sort=suburb&order=<?php echo toggleSort('suburb'); ?>>Suburb/Town</a></th>
    <th><a href=?sort=urstate&order=<?php echo toggleSort('urstate'); ?>>State</a></th>
    <th><a href=?sort=postcode&order=<?php echo toggleSort('postcode'); ?>>Postcode</a></th>
    <th><a href=?sort=email&order=<?php echo toggleSort('email'); ?>>Email</a></th>
    <th><a href=?sort=phone&order=<?php echo toggleSort('phone'); ?>>Phone</a></th>
    <th><a href=?sort=skills&order=<?php echo toggleSort('skills'); ?>>Skills</a></th>
    <th><a href=?sort=other_skills&order=<?php echo toggleSort('other_skills'); ?>>Other Skills</a></th>
    <th><a href=?sort=status&order=<?php echo toggleSort('status'); ?>>Status</a></th>
</tr>
```

```
<body class="manage-body">
<?php
require_once 'settings.php';
$conn = mysqli_connect($host, $user, $pwd, $sql_db);
if (!$conn) {
    die("<p>Database connection failed.</p>");
}
// Set default sorting column and order
$sortColumn = "EOInumber"; // Default column
$sortOrder = "ASC"; // Default order
// Check if sorting parameters are provided
if (isset($_GET['sort']) && in_array($_GET['sort'], ['EOInumber', 'job_ref_num', 'first_name', 'last_name', 'dob', 'gender', 'street', 'suburb', 'urstate', 'postcode', 'email', 'phone', 'skills', 'other_skills', 'status'])) {
    $sortColumn = $_GET['sort'];
}
if (isset($_GET['order']) && ($_GET['order'] === "ASC" || $_GET['order'] === "DESC")) {
    $sortOrder = $_GET['order'];
}
$query = "SELECT * FROM eoi";
$params = [];
$types = '';
// Checks if search form is submitted
if (isset($_POST['search'])) {
    $job_ref = mysqli_real_escape_string(trim($_POST['job_ref']));
    $first_name = mysqli_real_escape_string(trim($_POST['first_name']));
    $last_name = mysqli_real_escape_string(trim($_POST['last_name']));
    // Modify query if search fields are filled
    if (!empty($job_ref) || !empty($first_name) || !empty($last_name)) {
        $query .= " WHERE ";
        if (!empty($job_ref)) {
            $query .= " AND job_ref_num = ? ";
            $params[] = $job_ref;
            $types .= "?";
        }
        if (!empty($first_name)) {
            $query .= " AND first_name = ? ";
            $params[] = $first_name;
            $types .= "?";
        }
        if (!empty($last_name)) {
            $query .= " AND last_name = ? ";
            $params[] = $last_name;
            $types .= "?";
        }
    }
}
```

```
<body class="manage-body">
<?php
if ($result && mysqli_num_rows($result) > 0) {
    while ($row = mysqli_fetch_assoc($result)) {
        echo "<tr>
            <td>{$row['EOInumber']}</td>
            <td>{$row['job_ref_num']}</td>
            <td>{$row['first_name']}</td>
            <td>{$row['last_name']}</td>
            <td>{$row['dob']}</td>
            <td>{$row['gender']}</td>
            <td>{$row['street']}</td>
            <td>{$row['suburb']}</td>
            <td>{$row['urstate']}</td>
            <td>{$row['postcode']}</td>
            <td>{$row['email']}</td>
            <td>{$row['phone']}</td>
            <td>{$row['skills']}</td>
            <td>{$row['other_skills']}</td>
            <td>{$row['status']}</td>
        </tr>";
    }
} else {
    echo "<tr><td colspan='15'>No records found.</td></tr>";
}
mysql_stmt_close($stmt);
mysqli_close($conn);
?>
</table>
</div>
<?php
| include 'footer.inc';
?>
</body>
</html>
```

# PHP ENHANCEMENTS

```
<!DOCTYPE html>
<html lang="en">
<?php
    include 'header.inc';
?>
<body class="phpenhancements-body">
    <!-- Header -->
    <?php
        include 'menu.inc';
?>
    <div class="phpenhance1">
        <h2>Sorting by order</h2>
        <p>We've introduced a sorting by order enhancement in manage.php to improve the efficiency of managing job listings. This new feature allows users to sort job records, ensuring quick access to relevant information. By clicking on the respective column headers, administrators can now seamlessly arrange job listings in ascending or descending order.</p>
        
        
    </div>
    <div class="phpenhance2">
        <h2>Admin and User platform</h2>
        <p>The platform has different navigation options for users and administrators. Users can access Index, Jobs, About, Apply, and Enhancements. Administrators have the ability to manage job listings, users, and other system configurations.</p>
        <dl>
            <dt>User interface:</dt>
            <df></df>
            <dt>Manager interface:</dt>
            <df></df>
        </dl>
    </div>
    <div class="phpenhance3">
        <h2>Register function</h2>
        <p>The platform includes a registration function that allows users to create an account. When registering, their username and password are saved in the database, and a unique login token is generated for each user.</p>
        
        
    </div>
    <?php
        include 'footer.inc';
?>
</body>
```

# ENHANCEMENT

## manage\_login\_process.php

```
<!DOCTYPE html>
<html lang="en">
<?php
    include 'header.inc';
?>
<body class="enhancement-con-body">
    <!-- Header -->
    <?php
        include 'menu.inc';
    ?>
    <div class="enhanceimg">
        
        
    </div>
    <div class="linkto">
        <a href="enhancements.php">Enhancements</a>
        <a href="phpenhancements.php">PHP Enhancements</a>
    </div>
    <?php
        include 'footer.inc';
    ?>
</body>
```

# ENHANCEMENT

login and logout

```
<!DOCTYPE html>
<html lang="en">
<?php
session_start();
require_once "settings.php";

if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $conn = @mysqli_connect($host, $user, $pwd, $sql_db);

    if (!$conn) {
        die("Database connection failed.");
    }

    $username = trim($_POST['username']);
    $password = trim($_POST['password']);

    $stmt = mysqli_prepare($conn, "SELECT id, password, role FROM users WHERE username = ?");
    mysqli_stmt_bind_param($stmt, "s", $username);
    mysqli_stmt_execute($stmt);
    $result = mysqli_stmt_get_result($stmt);

    if ($row = mysqli_fetch_assoc($result)) {
        if ($password === $row['password']) {
            $_SESSION["user_id"] = $row["id"];
            $_SESSION["role"] = $row["role"];

            // Redirect based on role
            if ($row["role"] === "manager") {
                header("Location: index.php");
            } else {
                header("Location: index.php");
            }
            exit();
        } else {
            echo "Invalid credentials.";
        }
    } else {
        echo "User not found.";
    }
}

mysqli_stmt_close($stmt);
mysqli_close($conn);
?>
</html>
```

```
<!DOCTYPE html>
<html lang="en">
<?php
session_start();
session_destroy();
header("Location: index.php");
exit();
?>

<!DOCTYPE html>
<html lang="en">
<?php
    include 'header.inc';
?>
<body class="login-body">
    <?php
        include 'menu.inc';
    ?>
    <div class="login-form">
        <form method="POST" action="login_process.php">
            <label for="username">Username:</label>
            <input type="text" name="username" required><br>

            <label for="password">Password:</label>
            <input type="password" name="password" required><br>
            <div class="login-function-button">
                <input type="submit" value="Login" name="login" id="submitbutton">
                <input type="button" value="Register" id="registerbutton" onclick="window.location.href='register.php';">
            </div>
        </form>
    </div>
    <?php
        include 'footer.inc';
    ?>
</body>
</html>
```

# ENHANCEMENT

## MANAGING

```
<?php
if (isset($_POST['update_status'])) {
    $eoи_number = @htmlspecialchars(trim($_POST['eoи_number']));
    $new_status = @htmlspecialchars(trim($_POST['new_status']));

    require_once "settings.php";
    $conn = @mysqli_connect($host, $user, $pwd, $sql_db);

    if ($conn) {
        // Prepare the UPDATE query
        $update_query = "UPDATE eoi SET status = ? WHERE EOInumber = ?";

        // Use Prepared Statement
        $stmt = mysqli_prepare($conn, $update_query);
        mysqli_stmt_bind_param($stmt, "si", $new_status, $eoи_number);
        mysqli_stmt_execute($stmt);

        // Check if any rows were affected
        if (mysqli_stmt_affected_rows($stmt) > 0) {
            header("location: manage.php");
        } else {
            echo "<p style='color: red;'>Failed to update. EOИ number $eoи_number may not exist.
            <a href='manage.php'>Back to Manage page</a></p>";
        }

        mysqli_stmt_close($stmt);
        mysqli_close($conn);
    } else {
        echo "<p>Database connection failed.</p>";
    }
}
?>
```

```
<?php
if (isset($_POST['delete_eoi'])) {
    $delete_job_ref = @htmlspecialchars(trim($_POST['delete_job_ref']));
    require_once "settings.php";
    $conn = @mysqli_connect($host, $user, $pwd, $sql_db);

    if ($conn) {
        // Prepare the DELETE query
        $delete_query = "DELETE FROM eoi WHERE job_ref_num = ?";

        // Use Prepared Statement for security
        $stmt = mysqli_prepare($conn, $delete_query);
        mysqli_stmt_bind_param($stmt, "s", $delete_job_ref);
        mysqli_stmt_execute($stmt);

        // Check if any rows were affected
        if (mysqli_stmt_affected_rows($stmt) > 0) {
            header("location: manage.php");
        } else {
            echo "<p style='color: red;'>No EOIs found with Job Reference Number: $delete_job_ref.<br>
            <a href='manage.php'>Back to Manage page</a></p>";
        }

        mysqli_stmt_close($stmt);
        mysqli_close($conn);
    } else {
        echo "<p>Database connection failed.</p>";
    }
}
?>
```

# ENHANCEMENT

## REGISTER

```
<!DOCTYPE html>
<html lang="en">
<?php
    include 'header.inc';
?>
<body class="register-body">
    <?php
        include 'menu.inc';
    ?>
    <div class="registerform">
        <form method="POST" action="register_process.php">
            <label for="username">Username:</label>
            <input type="text" name="username" required>
            <label for="password">Password:</label>
            <input type="text" name="password" required>
            <input type="submit" value="Register" name="createaccount" id="createaccountbutton">
        </form>
    </div>
    <?php
        include 'footer.inc';
    ?>
```

```
<!DOCTYPE html>
<html lang="en">
<head>
<title>Register</title>

<meta charset="utf-8" />
<meta name="description" content="project2" />
<meta name="keywords" content="register" />

</head>
<body>
<?php

    require_once "settings.php";
    $conn = @mysqli_connect($host, $user, $pwd, $sql_db);

    //prevent direct access by url
    if ($_SERVER["REQUEST_METHOD"] !== "POST") {
        header("Location: apply.php");
        exit();
    }

    //Sanitize and validate input
    $username = htmlspecialchars(trim($_POST['username']));
    $password = htmlspecialchars(trim($_POST['password']));

    // Server-side validation
    $errors = [];
    if (!preg_match("/^[\w\W]{1,50}$/", $username)) $errors[] = "Invalid Username.";
    if (!preg_match("/^[\w\W]{1,50}$/", $password)) $errors[] = "Invalid Password.";

    if (!empty($errors)) {
        foreach ($errors as $error) {
            echo "<p>$error</p>";
        }
        exit();
    }

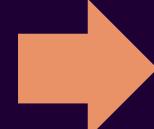
    //adding process

    $sql_table = "users";
    $query = "INSERT INTO $sql_table (id, username, password, role) VALUES (NULL, '$username', '$password', 1)";
    $result = mysqli_query($conn, $query);
    if (!$result) {
        echo "<p class=\"wrong\">Something is wrong with ", $query, "</p>";
    } else {
        echo "<p class=\"ok\">Successfully added new account</p>";
        echo "<p>You can back to the login <a href='login.php'>here</a></p>";
    }
    mysqli_close($conn);

?>
</body>
```

# UPDATE STYLE CODE (STYLE.CSS)

```
.about-body .timetable {  
    position: relative;  
    border: 2px solid #EFE3C2;  
    background-color: #EFE3C2;  
    border-radius: 20px;  
    padding-left: 1%;  
    height: 550px;  
    margin-top: 30px;  
    margin-right: 64%;  
    width: 36%;  
    overflow-x: auto;
```



```
.about-body .timetable {  
    display: grid;  
    justify-content: center;  
    border: 2px solid #EFE3C2;  
    background-color: #EFE3C2;  
    border-radius: 20px;  
    padding-left: 1%;  
    height: 50%;  
    margin-top: 1%;  
    margin-right: 5%;  
    padding-bottom: 6%;  
    width: 36%;
```

```
.about-body .timetable table {  
    text-align: center;  
    padding-right: 1%;  
    width: 100%;  
    min-width: 10%;
```



```
.about-body .timetable table {  
    text-align: center;  
    padding-right: 1%;  
    width: 80%;  
    min-width: 10%;  
    font-size: smaller;
```

# UPDATE STYLE CODE (style.css)

```
/*manage login form*/
.manage-login-body {
    background-image: url("../images/white-simple-textured-design-background.jpg");
    background-size: cover;
    background-position: center;
    background-repeat: no-repeat;
    padding-top: 4%;
}

.manage-login-body .manage-login-form form {
    margin-top: 10%;
    margin-left: 40%;
    margin-right: 1%;
    padding-bottom: 1%;
    padding-top: 1%;
    border: 1px solid black;
    width: 20%;
    display: grid;
    place-items: center;
    height: 30%;
    background-color: #EFE3C2;
    border-radius: 20px;
    border-color: #EFE3C2;
}

.manage-login-body .manage-login-form form label {
    color: #123524;
    font-size: larger;
    font-weight: bold;
}
.manage-login-body .manage-login-form form input {
    border-radius: 10px;
    text-align: center;
}
```

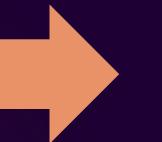
# JOB DESCRIPTION

Create a table named jobs in MySQL database. Store job descriptions in a database table and have the HTML dynamically created by PHP.

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

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>4TL Corporation</title>
    <link rel="stylesheet" href="style/style.css">
    <link href='https://unpkg.com/boxicons@2.1.4/css/boxicons.min.css' rel='stylesheet'>
</head>

<body class="jobs-body">
    <!-- Header -->
    <header>
        <div id="navbar" class="obj-width">
            <a href="index.html"></a>
            <!--responsive navbar-->
            <input type="checkbox" id="nav-toggle" class="nav-toggle">
            <ul id="menu">
                <li><a href="jobs.html">Jobs</a></li>
                <li><a href="about.html">About</a></li>
                <li><a href="apply.html">Apply</a></li>
                <li><a href="enhancement.html">Enhancements</a></li>
            </ul>
            <label for="nav-toggle" class="nav-toggle-label">
                <i class='bx bx-menu'></i>
            </label>
        </div>
    </header>
    <div class="container">
        <div class="search-container">
```



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

<?php
    include 'header.inc';
?>

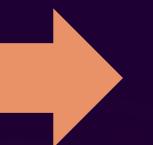
<body class="jobs-body">
    <?php
        include 'menu.inc';
?>
    <?php
        include 'menu.inc';
?>

    <div class="container">
        <div class="search-container">
```

# JOB DESCRIPTION

Create a table named jobs in MySQL database. Store job descriptions in a database table and have the HTML dynamically created by PHP.

```
<div class="container">
  <div class="jobs-grid">
    <div class="job-card" style="--order: 1">
      <div class="job-header">
        <h3 class="job-title">Sales Executive (International Market)</h3>
        <span class="hot-tag">Hot</span>
      </div>
      <div class="job-info">
        <span>Up to 500M/year</span>
        <span>Full Time</span>
      </div>
      <div class="job-info">
        <span>Middle</span>
        <span>Fukuoka, Japan</span>
      </div>
      <div class="tags">
        <span class="tag">International Sales</span>
        <span class="tag">Japanese</span>
        <span class="tag">Korean</span>
      </div>
      <a href="job_detail/SE(IM).html" class="view-more">View more</a>
    </div>
  </div>
```

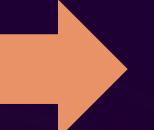


```
<div class="container">
  <div class="jobs-grid">
    <?php
    if ($conn) {
      if ($result) {
        // Manual linking based on job title
        $job_links = [
          "Sales Executive (International Market)" => "job_detail/SE(IM).html",
          "Sales Manager (HCM)" => "job_detail/SM.html",
          "Senior AI Engineer" => "job_detail/SAE.html",
          "Technical Project Manager" => "job_detail/TPM.html",
          "Senior Solutions Architect / Consultant" => "job_detail/SSA.html",
          "Intern Project Coordinator" => "job_detail/IPC.html",
          "Production Support" => "job_detail/PS.html",
          "Mid/Senior International Sales" => "job_detail/MSIS.html",
          "Bridge System Engineer (BrSE)" => "job_detail/BSE.html",
        ];
        if (isset($job_links[$row["title"]])) {
          echo '<a href=' . $job_links[$row["title"]] . '" class="view-more">View more</a>';
        } else {
          echo '<a href="#" class="view-more">View more</a>'; // Placeholder if no link found
        }
        echo '</div>';
      } else {
        echo "<p>There is no information to display</p>";
      }
      mysqli_close($conn);
    } else {
      echo "<p>Unable to connect to the database.</p>";
    }
  ?>
</div>
</div>
```

# JOB DESCRIPTION

Create a table named jobs in MySQL database. Store job descriptions in a database table and have the HTML dynamically created by PHP.

```
<div class="container">
  <div class="jobs-grid">
    <div class="job-card" style="--order: 2">
      <div class="job-header">
        <h3 class="job-title">Sales Manager HCM</h3>
        <span class="hot-tag">Hot</span>
      </div>
      <div class="job-info">
        <span>Up to $2,500</span>
        <span>Full Time</span>
      </div>
      <div class="job-info">
        <span>Manager</span>
        <span>HCM city</span>
      </div>
      <div class="tags">
        <span class="tag">Sales</span>
      </div>
      <a href="job_detail/SM.html" class="view-more">View more</a>
    </div>
  </div>
</div>
```



```
<div class="container">
  <div class="jobs-grid">
    <?php
      require_once "settings.php";
      $conn = @mysqli_connect($host, $user, $pwd, $sql_db);

      if ($conn) {
        $query = "SELECT * FROM jobs";
        $result = mysqli_query($conn, $query);

        if ($result) {
          while ($row = mysqli_fetch_assoc($result)) {
            echo '<div class="job-card">';
            echo '<div class="job-header">';
            echo '<h3 class="job-title">' . $row["title"] . '</h3>';
            if (isset($row["hot"]) && $row["hot"] == 1) {
              echo '<span class="hot-tag">Hot</span>';
            }
            if (isset($row["new"]) && $row["new"] == 1) {
              echo '<span class="hot-tag">New</span>';
            }
            echo '</div>';
            echo '<div class="job-info">';
            echo '<span>' . $row["salary"] . '</span>';
            echo '<span>' . $row["type"] . '</span>';
            echo '</div>';
            echo '<div class="job-info">';
            echo '<span>' . $row["level"] . '</span>';
            echo '<span>' . $row["location"] . '</span>';
            echo '</div>';
          }
        }
      }
    </div>
  </div>
</div>
```