American International University- Bangladesh

CSC 3215: Web Technologies

CO2 and CO4 Evaluation
Finished Project Report
Fall 2023-2024

Project Title: Job Portal
Section: E

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Job Portal

Project Description:

Job Portal is a job search engine designed to make the process of finding a job on the internet easier for the user. It maps the huge selection of job offerings available on the internet in one extensive database by referencing job listings originating from job boards, recruitment agency websites. This project aims to mitigate the problem by creating a common platform for seeking and publishing jobs.

1. User Category:

There are 3 types of Users here. They are:
- Admin
- Employer/Company
- Job Seeker

2. Feature List:

In this project the "Admin" has the following features:

- Manage new seeker's registration.
- Approve and reject company registration.
- Manage admins.
- Manage posted jobs by company.
- Manage Profile

In this project the "Employer/Company" has the following features:

- Create new Job posts.
- Remove or edit posts.
- Search all job posts.
- Approve or reject job applications.

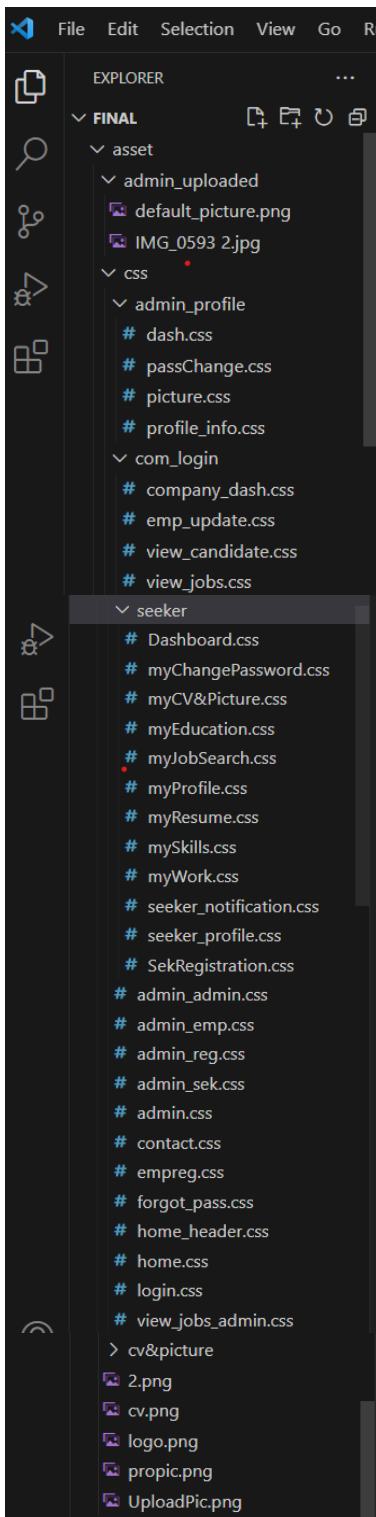In this project the "Seeker" has the following features:

- Manage profile.
- Add info in resume.
- Search and apply for Jobs.
- Manage applied jobs.
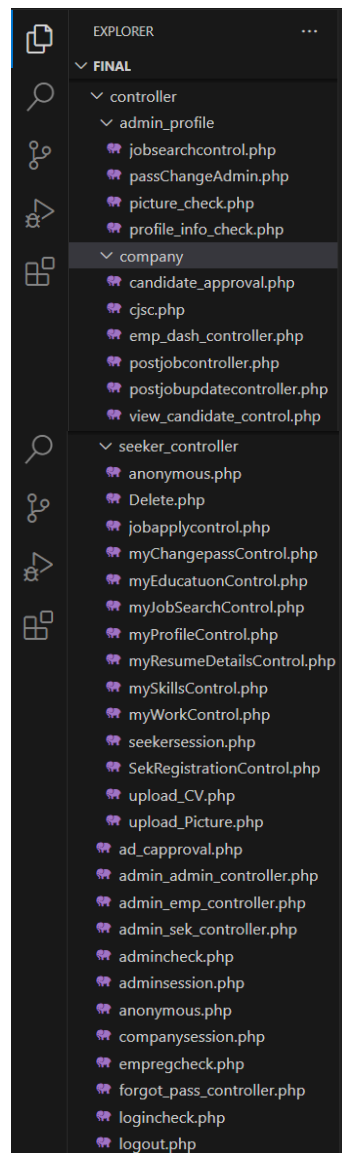- Notification of either application accepted or rejected.
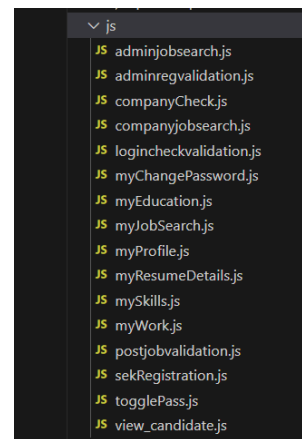
Job Portal

Project Folder Structure:

Asset

Controller

JS

PRD

project prd file
PRD_Job-Search-Portal.xlsx

DataBase

database
jobportal.sql
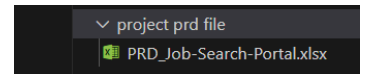
View

Model

model
db.php
userModel.php

Three Core Modules of the Project:

One module from Admin Operation:

view_jobs_admin.php

```
<html>
    <head>
        <title>Job Search</title>
        <?php
            include_once("admin_header.php");
        ?>
        <link rel="stylesheet" href="../asset/css/view_jobs_admin.css">
        <script src="../js/adminjobsearch.js"></script>
    </head>
    <body>
        <table align="center" width="1000px" id="tt1">
            <tr align="center">
                <td>
                    <label align="center"></label>
                    <table>
                        <tr>
                            <td>
                                <a class="styled" href="admin.php">Go Back</a>
                            </td>
                        </tr>
                    </table>
                </td>
            </tr>
            <tr>
                <td>
                    <div id="dd1">
                        <table width="1000px">
                            <tr>
                                <td>Job Title :</td>
                                <td colspan="4"><input type="text" name="title" id="title"
value=""></td>

                                <td>Company Name :</td>
                                <td><input type="text" name="comp_name" id="comp_name"
value=""></td>
                            </tr>
                            <tr>
                                <td colspan="7"></td>
                            </tr>
                            <tr>
                                <td>
                                    <legend id="cc2">Catagory</legend><br>
                                    <select name="category" id="category">
                                        <option value="" selected>Select a Type</option>
                                        <option value="Accounting">Accounting</option>
                                        <option value="Banking">Banking</option>
                                        <option value="Development">Development</option>
                                        <option value="Insurance">Insurance</option>
                                        <option value="IT">IT</option>
                                        <option value="Healthcare">Healthcare</option>
```
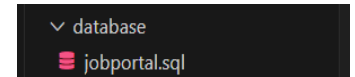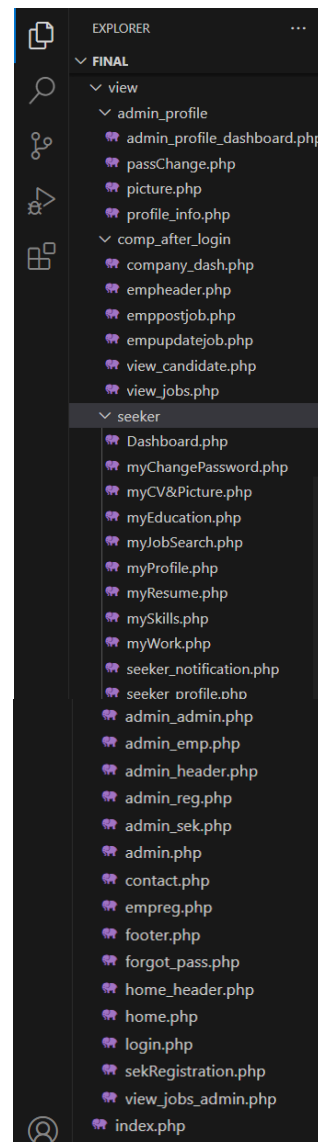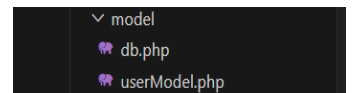
Job Portal

```
                <option value="Marketting">Marketting</option>
                <option value="Management">Management</option>
                <option
value="Generalmanagment">Generalmanagment</option>
                <option value="Medical">Medical</option>
                <option value="Garments">Garments</option>
                <option value="Engineer">Engineer</option>
                <option value="Bank/Non-Bank Fin.
Institution">Bank/Non-Bank Fin. Institution</option>
                <option value="Beautycare">Beautycare</option>
                <option value="Education">Education</option>
                <option value="Tourism">Tourism</option>
                <option value="Security">Security</option>
                <option value="Supplychain">Supplychain</option>
                <option value="Research">Research</option>
                <option value="Receptionist">Receptionist</option>
                <option value="Dataentry">Dataentry</option>
                <option value="Others">Others</option>
            </select>
        </td>
        <td>
            <legend>Type</legend><br>
            <select name="type" id="type">
                <option value="" selected>Any</option>
                <option value="full-time">Full-Time</option>
                <option value="part-time">Part-Time</option>
                <option value="internship">Internship</option>
            </select>
        </td>
        <td>
        <legend>Salary</legend><br>
        <select name="salary" id="salary">
            <option value="" selected>Any</option>
            <option value="<10000">&lt; $10000</option>
            <option value="10000-25000">$10000 - $25000</option>
            <option value="25000-50000">$25000 - $50000</option>
            <option value=">50000">&gt; $50000</option>
        </select>

        </td>
        <td>
        <legend>Experience</legend><br>
            <select name="experience" id="experience">
                <option value="" selected>Any</option>
                <option value="<1">&lt; 1 year</option>
                <option value="1-3">1 - 3 years</option>
                <option value="3-5">3 - 5 years</option>
                <option value=">5">&gt; 5 years</option>
            </select>

        </td>
        <td colspan="5">
            <legend>Location :</legend><br>
            <input type="text" name="location" id="location"
value="">
        </td>
    </tr>
    <tr>
        <td colspan="7" align="center" id="rr002">
```

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Job Portal

```
                                    <input class="styled" type="submit" value="Search"
onclick="yy()">
                                    </td>
                                </tr>
                            </table>
                        </div>
                    </td>
                </tr>
                <tr align="center">
                    <td>
                        <div id="error-container"></div>
                    </td>
                </tr>
            </table>
        </body>
</html>

<?php
    include_once ('footer.php');
?>
```

adminjobsearch.js

```javascript
function yy() {
    var xhttp = new XMLHttpRequest();

    var title = document.getElementById("title").value;
    var comp_name = document.getElementById("comp_name").value;
    var category = document.getElementById("category").value;
    var type = document.getElementById("type").value;
    var salary = document.getElementById("salary").value;
    var experience = document.getElementById("experience").value;
    var location = document.getElementById("location").value;

    let d1 = {
        'title': title,
        'comp_name': comp_name,
        'category': category,
        'type': type,
        'salary': salary,
        'experience': experience,
        'location': location
    }
    let d2 = JSON.stringify(d1);

    xhttp.open("POST", "../controller/admin_profile/jobsearchcontrol.php", true);
    xhttp.setRequestHeader("Content-type", "application/x-www-form-urlencoded");
    xhttp.send('data='+d2)
    xhttp.onreadystatechange = function() {
        if (this.readyState == 4 && this.status == 200) {
            if(this.responseText === "error"){
                document.getElementById('error-container').innerHTML = "<p style='color: red;
font-size: 22px; font-weight:bold;'>No matching jobs found!...</p>";
            }else{
                let resp = JSON.parse(this.responseText);
                createTable(resp);
            }
        }
```

```
    }
}

function createTable(data) {
    let tableHtml = '<table border="3" style="border-collapse:collapse; width:100%;">';

    tableHtml += '</tr>';
    for (let key in data[0]) {
        tableHtml += '<th style="background-color:aquamarine; height:40px;">' + key + '</th>';
// data(main associative array)
    }
    tableHtml += '<th style="background-color:aquamarine; height:40px;">' + "Operation" +
'</th>';
    tableHtml += '</tr>';

    for (let i = 0; i < data.length; i++) { // table rows (iterating over eacha associative
arrays)
        tableHtml += '<tr>';
        for (let key in data[i]) {
            tableHtml += '<td style="background-color:#EEF5FF; height:30px;">' + data[i][key] +
'</td>'; // associative array inside data(main array)
        }  // data[i][key] - Represent the key values of the associative arrays
        tableHtml += '<td style="background-color:#EEF5FF; height:30px;">' +
                        '<a href="#" onclick="deleteRow(' + data[i]['id'] + ')" style="text-
decoration:none; padding:2px; background-color:red; color:white; font-weight:bold; border:2px
solid black;border-radius:6px;margin-left:15px;">'
                        + "Delete" + '</a>' +
                    '</td>';
        tableHtml += '</tr>';
    }

    tableHtml += '</table>'; // table end

    document.getElementById('error-container').innerHTML = tableHtml;
}

function deleteRow(id) {
    let xhttp = new XMLHttpRequest();

    xhttp.open("POST","../controller/anonymous.php",true);
    xhttp.setRequestHeader("Content-type", "application/x-www-form-urlencoded");
    xhttp.send('id=' + id)
    xhttp.onreadystatechange = function() {
        if (this.readyState==4 && this.status==200) {
            if(this.responseText === "success"){
                alert("Deleted Successfully..");
                window.location.reload();
            }else{
                alert("Error in database.");
            }
        }
    }
}
```

Job Portal
jobsearchcontrol.php

```php
<?php
    require_once("../../model/userModel.php");

    $jsonData = $_POST['data'];
    $data = json_decode($jsonData, true); // True = For associative array, if not given then it
will return an object

    $title = $data['title'];
    $comp_name = $data['comp_name'];
    $category = $data['category'];
    $type = $data['type'];
    $salary = $data['salary'];
    $experience = $data['experience'];
    $location = $data['location'];

    $jobs = searchJobs($title, $comp_name, $category, $type, $salary, $experience, $location);

    if (!empty($jobs)) {
        echo json_encode($jobs);
    } else {
        echo "error";
    }
?>
```

One module from Company Operation:

view_candidate.php

```php
<?php
    include_once("empheader.php");
?>

<html>
    <head>
        <script src="../../js/view_candidate.js"></script>
        <link rel="stylesheet" href="../../asset/css/com_login/view_candidate.css">
    </head>
    <body onload="retrCandidate()">
    <table align="center" width="1000px" id="tt1">
            <tr align="center">
                <td>
                    <label align="center"></label>
                    <table>
                        <tr>
                            <td>
                                <a class="styled" href="company_dash.php">Go Back</a>
                            </td>
                        </tr>
                    </table>
                </td>
            </tr>
            <tr>
```

```
            <td>
                <div id="dd1">

                </div>
            </td>
        </tr>
    </table>
</body>
</html>

<?php
    include_once ('../footer.php');
?>
```

view_candidate.js

```javascript
function retrCandidate(){
    let xhttp = new XMLHttpRequest();
    xhttp.open("POST", "../../controller/company/view_candidate_control.php", true);
    xhttp.setRequestHeader("Content-type", "application/x-www-form-urlencoded");
    xhttp.send();
    xhttp.onreadystatechange = function() {
        if (this.readyState == 4 && this.status == 200) {
            if(this.responseText === "failed"){
                document.getElementById('dd1').innerHTML = "<p style='color: red; font-size:
22px; font-weight:bold;'>No Candidates on Queue!...</p>";
            }else{
                let resp = JSON.parse(this.responseText);
                createTable(resp);
            }
        }
    }
}

function createTable(data) {
    let tableHtml = '<table border="3" style="border-collapse:collapse; width:1000px;">';

    tableHtml += '<tr>';
    for (let key in data[0]) {
        // Exclude specific columns (comp_mail and comp_number)
        if (key !== 'comp_mail' && key !== 'comp_number') {
            tableHtml += '<th style="background-color:aquamarine; height:40px;">' + key +
'</th>';
        }
    }
    tableHtml += '<th style="background-color:aquamarine; height:40px;">' + "Operation" +
'</th>';
    tableHtml += '</tr>';

    for (let i = 0; i < data.length; i++) {
        tableHtml += '<tr>';
        for (let key in data[i]) {
            // Exclude specific columns (comp_mail and comp_number)
            if (key !== 'comp_mail' && key !== 'comp_number') {
                // Check if the column is 'approval' and its value is 0
                if (key === 'approval' && data[i][key] == 0) {
                    tableHtml += '<td style="background-color:#EEF5FF;
height:30px;">Pending</td>';
                } else {
```

```
            tableHtml += '<td style="background-color:#EEF5FF; height:30px;">' +
data[i][key] + '</td>';
                }
            }
        }
        tableHtml += '<td style="background-color:#EEF5FF; height:30px;">' +
            '<a href="#" onclick="approve(' + data[i]['id'] + ')" style="text-decoration:none;
padding:2px; background-color:green; color:white; font-weight:bold; border:2px solid
black;border-radius:6px;margin-left:15px;">' +
            "Approve" + '</a>' +
            '</td>';
        tableHtml += '</tr>';
    }

    tableHtml += '</table>';
    document.getElementById('dd1').innerHTML = tableHtml;
}

function approve(id){
    let xhttp = new XMLHttpRequest();

    xhttp.open("POST","../../controller/company/candidate_approval.php",true);
    xhttp.setRequestHeader("Content-type", "application/x-www-form-urlencoded");
    xhttp.send('id=' + id)
    xhttp.onreadystatechange = function() {
        if (this.readyState==4 && this.status==200) {
            if(this.responseText === "ss"){
                alert("Approved Successfully...");
                window.location.reload();
            }else{
                alert("Error in database.");
            }
        }
    }
}
```

view_candidate_control.php

```php
<?php
    require_once "../../model/userModel.php";
    $encryptionKey = "kieuTTQQpl)(8!nn"; //Encryption key (secret)
    $id = openssl_decrypt($_COOKIE['cid'], 'aes-256-cbc', $encryptionKey, 0, $encryptionKey);

    $status = retrieveCandidate($id);
    if(!empty($status)){
        echo json_encode($status);
    }else{
        echo "failed";
    }

?>
```

Job Portal

One module from Seeker Operation:

<u>seeker_notification.php</u>

```php
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link rel="stylesheet" href="../../asset/css/seeker/seeker_notification.css">
    <title>Seeker Notifications</title>
</head>
<body>
    <div style="display:flex">
        <?php
            include_once("Dashboard.php");
            include_once('../../model/userModel.php');
            $info = getAllSeekerApprovedJobs();
            $encryptionKey = "kieuTTQQpl)(8!nn"; //Encryption key (secret)
            $userID = openssl_decrypt($_COOKIE['sid'], 'aes-256-cbc', $encryptionKey, 0,
$encryptionKey);
        ?>
        <div class="main-content">
            <form>
                <div class="th-content">
                    <table class="table-st">
                        <tr>
                            <td class="head-td">Company Name</td>
                            <td class="head-td">Company Email</td>
                            <td class="head-td">Contact Number</td>
                            <td class="head-td">Title</td>
                            <td class="head-td">Status</td>
                        </tr>
                    </table>
                </div>
                <table class="table-st">
                    <tr>
                        <td colspan="5"><hr></td>
                    </tr>
                    <?php for($i=0; $i<count($info); $i++) {
                            if($info[$i]['userID'] == $userID)
                            {
                                $sID = $info[$i]['id'];
                    ?>
                        <tr>
                            <td class="td-value"><?=$info[$i]['comp_name']?></td>
                            <td class="td-value"><?= $info[$i]['comp_mail'] !== null ?
$info[$i]['comp_mail'] : '-----' ?></td>
                            <td class="td-value"><?= $info[$i]['comp_number'] !== null ?
$info[$i]['comp_number'] : '-----' ?></td>
                            <td class="td-value"><?=$info[$i]['title']?></td>
                            <td class="td-value2 <?php echo ($info[$i]['approval'] == 1) ?
'accepted' : 'not-accepted'; ?>">
                                <?php
                                    if ($info[$i]['approval'] == 1) {
                                        echo "Accepted";
                                        echo "<br>";
                                        echo "now contact through email";
```

Job Portal

```
        } else {
            echo "Not Approved";
        }
    ?>
        </td>
    </tr>
<?php } }?>
        </table>
    </form>
  </div>
 </div>
</body>
</html>
```

CO2 and CO4 Evaluation: Project Report Evaluation					
Completeness (5)	Validation (5)	Feature Implementation (5)	Concept Understanding (5)	Promptness (5)	Total (25)