INFO263 Project: Open Review - Employer Review Portal
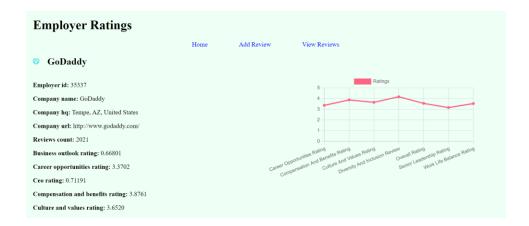
Pages

Home Page

Employer Search

The home page contains a search bar to search for employers from the database, this is done using a jQuery keyup event listener on the text input which sends a xml request that retrieves a limited number (5) of employers from the database and formats into divs and inserts into a div underneath the search box

```
$("#employer_search_box").keyup(function() {
    $("#employer_search_suggestions").html(update_employer_suggestions($("#employer_search_box").val()));
});
```

```
function update_employer_suggestions(search_term) {
    const xhttp = new XMLHttpRequest();
    xhttp.onreadystatechange = function () {
        if (this.readyState === 4 && this.status === 200) {
            $("#employer_search_suggestions").html(this.responseText);
        }
    };
    xhttp.open( method: "GET", url: "../resources/xmlRequests.php?search="+search_term, async: true);
    xhttp.send();
}
```

```
if (isset($_GET["search"])) {
    $result = searchEmployers($_GET["search"], num_results: 5);

    while ($row = $result->fetch()) {
        echo "<div class='suggestion-item' id='".$row["employer_id"]."' tabindex='0'>
<img alt='".$row["company_name"]." Logo' height='16' width='16' style='padding-right: 10px;' src='http://www.google.c
    }
}
```

Employer Rankings

From the home page clicking on one of the search suggestions will take you to the associated employer rankings page (done via get). This page displays all data from the reviewed employers view on the database (if there is an entry for the employer). It gets the data from a function in the config.php file and format it onto the page. I also used Chart js to create a chart from all the ratings out of 5 fields. From this site you can also leave a review and view reviews for the selected employer via the navigation.

Employer Reviews

This page displays the ratings for a given employer passed via php get, this is done in a similar way to the search suggestions from the home page. The employer id is passed to a javascript function which then sends an xml request which returns a limited number of reviews from the database formatted in divs. A button at the bottom of the page allows the user to load in more reviews which is done in the same way using sql limit and a static javascript variable to keep count. From this page you can also accses the other relevant pages.

Review Employer

This site is used to submit new employer reviews using an html form. Since there are many input fields with the same format (text and ratings out of 5), I used some php for loops on associative arrays to insert the html for them into the page. To select the employer I reused the same methods in the home page employer search but for the on click jQuery event to change the value of a hidden input to the clicked employer id. I added verification to the employer using javascript by only making it valid when an employer has been clicked then invalid when

the search input is changed, to indicate if the input is valid valid/invalid classes are used that have green and red borders in CSS.

To avoid invalid inputs into the database I added the required tag to all input elements except for the current job and year started (which is only shown when current job not ticked).

Search Engine Optimization

Since the site is not published on a domain there is only a limited number of options for SEO but I added 3 basic optimizations:

Meta Tags

I added meta tags on all of the public sites for keywords and description.

Sitemap

I added a sitemap.xml file outlining all the public pages on my site allowing any site crawlers to access all public pages. (assumed localhost as domain name as).

```xml
<?xml version="1.0" encoding="UTF-8"?>
<urlset xmlns="http://www.sitemaps.org/schemas/sitemap/0.9">
    <url>
        <loc>http://localhost/public_html/index.php</loc>
        <lastmod>2022-10-22</lastmod>
    </url>
    <url>
        <loc>http://localhost/public_html/index.php</loc>
        <lastmod>2022-10-22</lastmod>
    </url>
```

Robots.txt

I added a robots.txt file to allow crawlers to see the pages intended to show up on search results however as it is a small site not much is required.

```
User-agent: *
Disallow: /resources/
Allow: /public_html/


Sitemap: http://localhost/sitemap.xml
```