

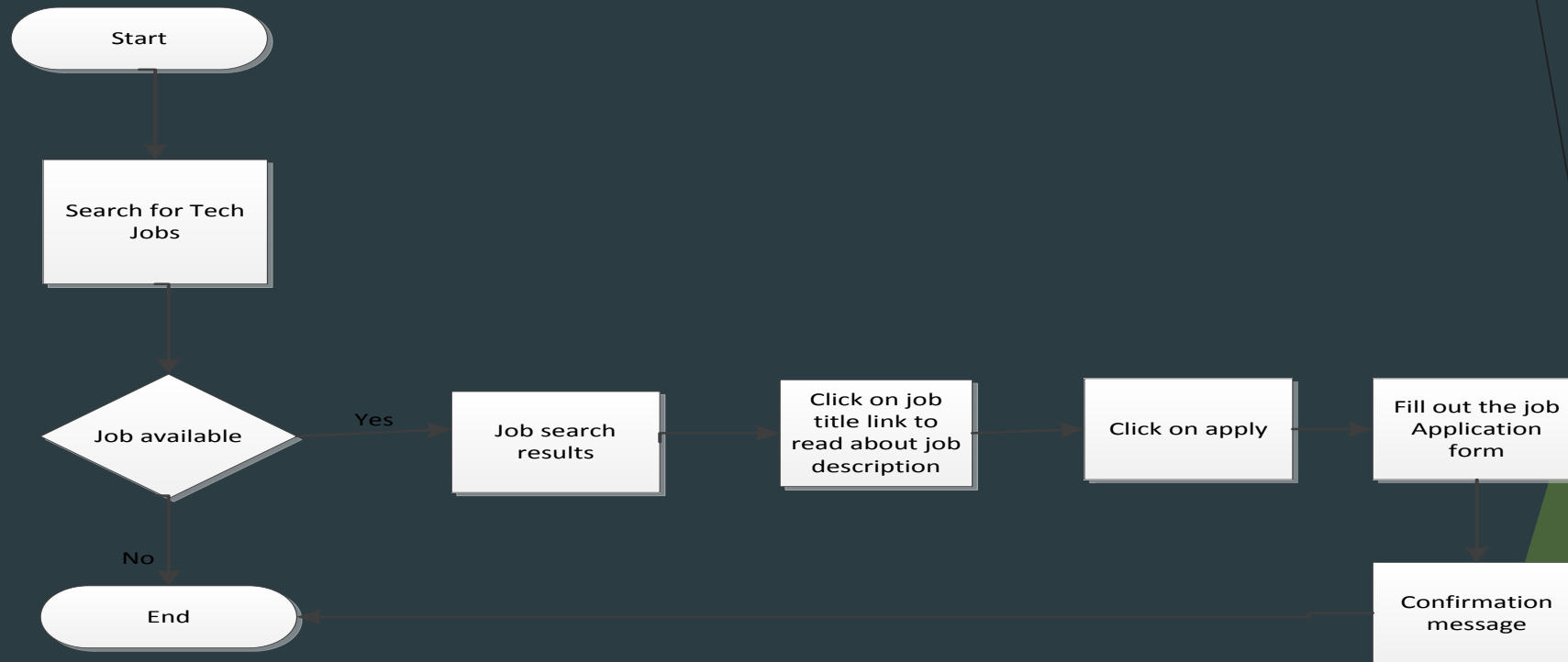
ITC 250/CPET 499 Web Systems
Final Project
Technology Job search website
Presented by Taz Silvia
Date: 12/13/2016

An overview

Project Scope

- ▶ The main goal and one major activities of this project is to build a website in such a way that job seekers can easily look for jobs in different companies around USA.

System Activity



System Design



Project Milestone & Deliverables

Prototype- , Final Report, Final Project Presentation status is complete.

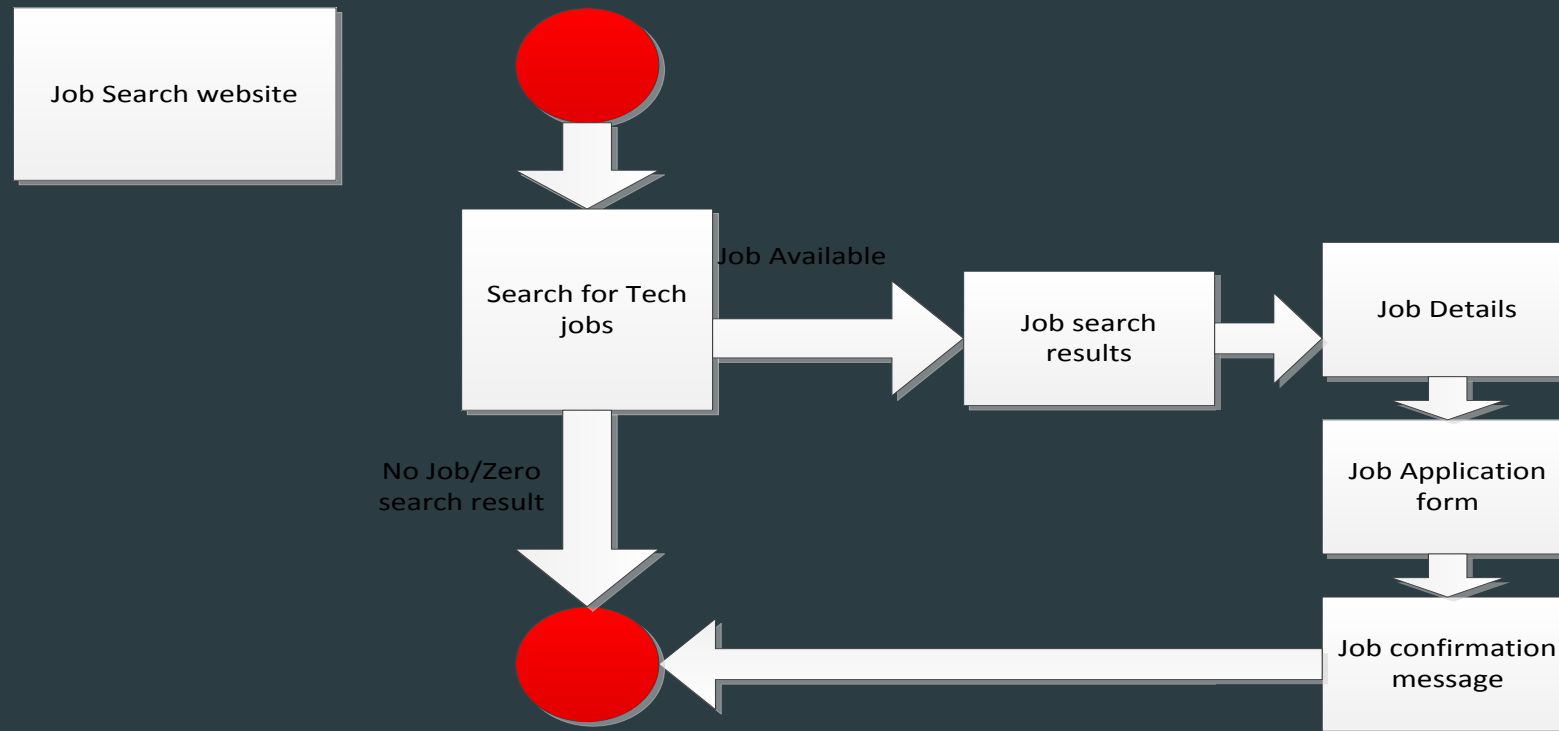
Web System Design

▶ System requirements

▶ Hardware & software

- ▶ Any laptop or PC . I used a Dell laptop where operating system is Windows 10 Home
- ▶ 64 bit operating system and processor: intel core i5-i7
- ▶ XAMPP installation wizard, version 3.2.2
- ▶ IDE-Eclipse or Notepad++
- ▶ Microsoft Visio
- ▶ Microsoft PowerPoint
- ▶ Used User agent switcher application to test the website on different browser

Functional Description of the desired System with Diagrams



Major component of the proposed system

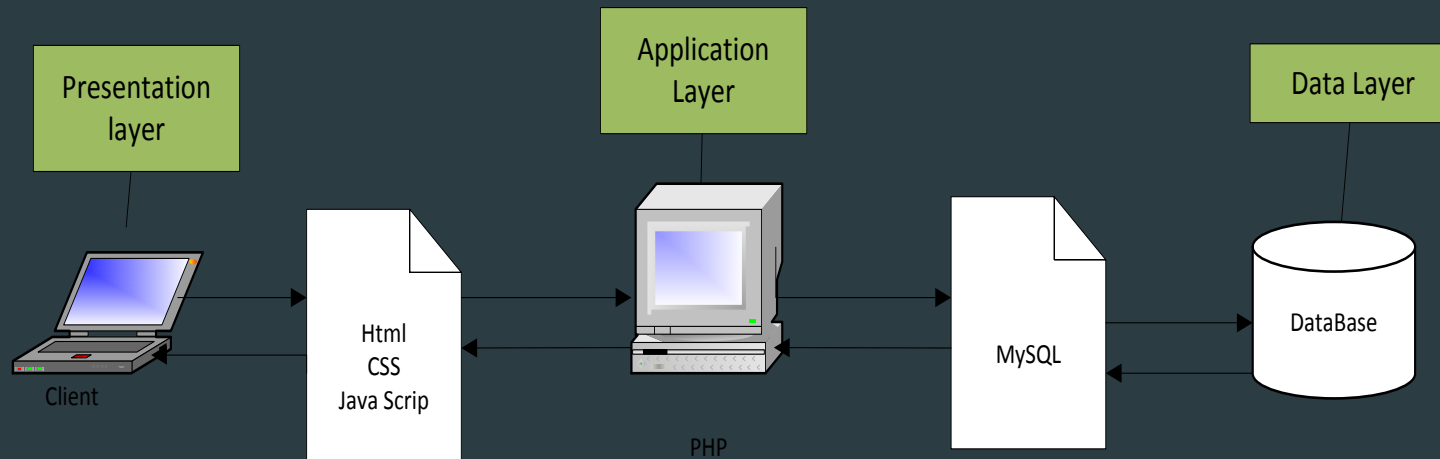
- ▶ The three major components of the proposed system are:
 - ▶ The Web browser:
 - ▶ The XAMPP Web server
 - ▶ The database-

Software Programming Tools

- ▶ To build my job search website, I used the following language
- ▶ HTML,
- ▶ CSS
- ▶ Java Script,
- ▶ PHP,
- ▶ MY SQL database

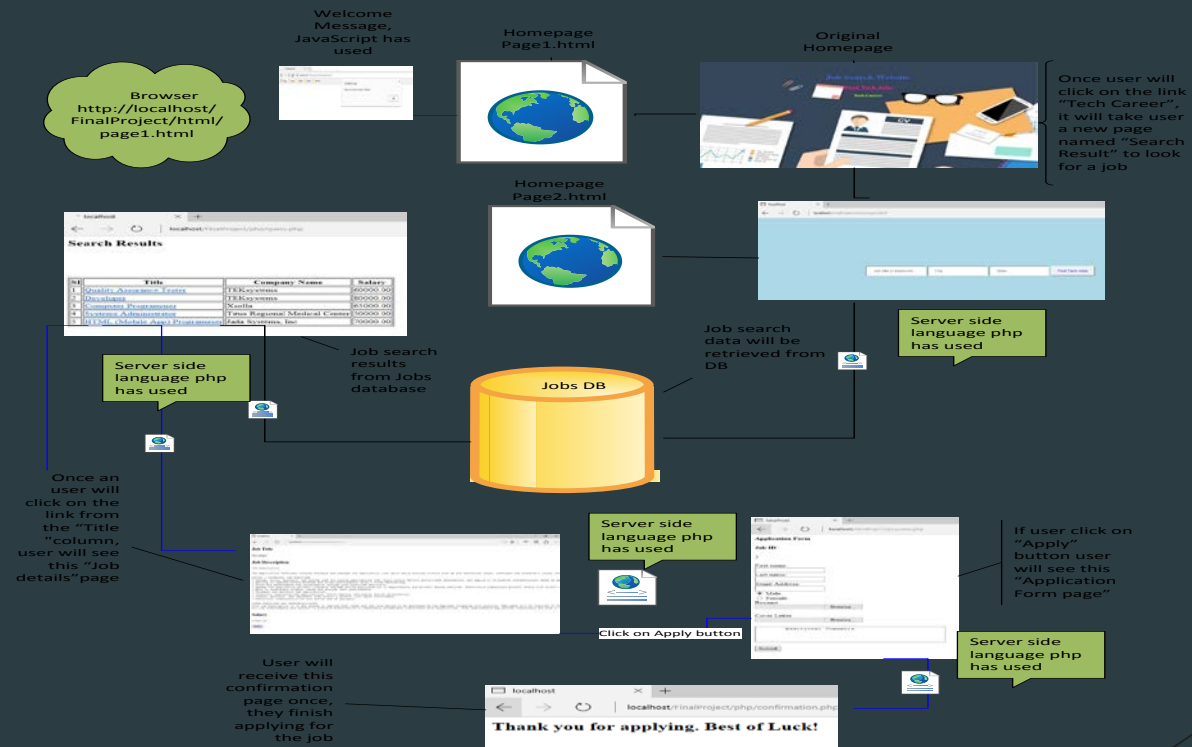
System infrastructure drawings

To make this system infrastructure drawings, I used Microsoft Visio software.



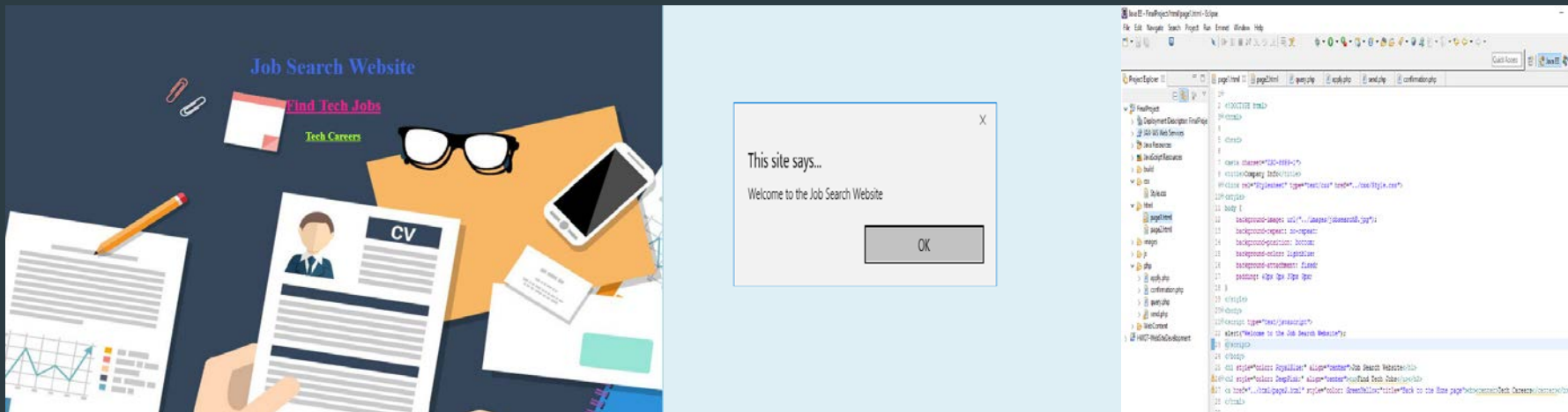
System Interaction diagram

To make this system Interaction diagram, I used Microsoft Visio software



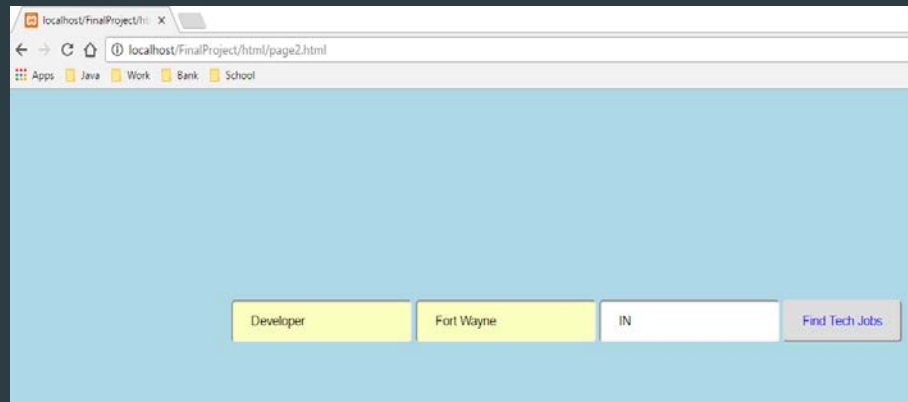
Implementation

- ▶ First page of my website



Implementation

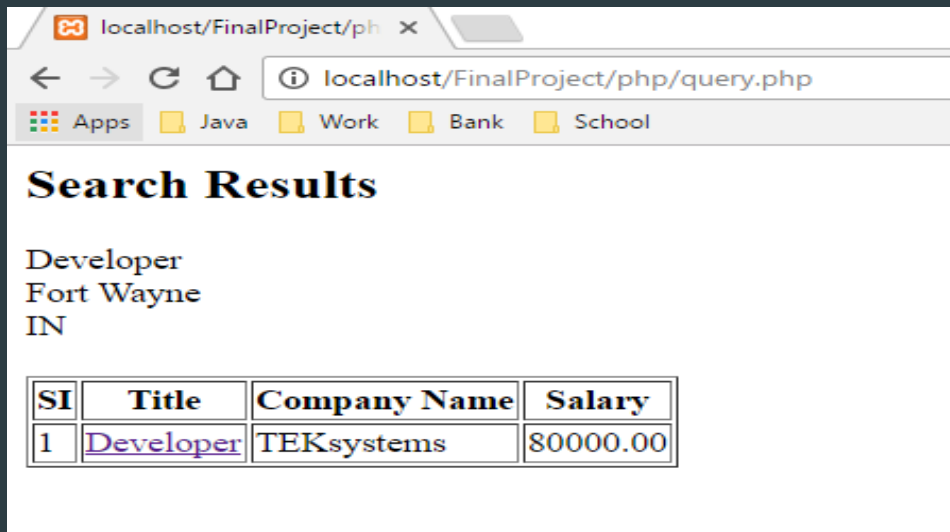
► Job Search Page



```
10 border-radius: 4px;
11 box-shadow: 0px 0px 0px;
12 }
13
14 body {
15 background-color: lightblue;
16 /* background-image: url("../images/job.jpg"); */
17 padding: 10px 0px;
18 margin: 10px 0;
19 }
20
21 </style>
22 </head>
23 <body>
24 <!-- <p style="color:red"><b>Search Across 79,565 Tech Jobs</b> -->
25
26 <div style="margin: 0 auto; width: 60%; text-align: center;">
27 <!-- User has to input the job title in the job title text field when click on "Find Tech Jobs" button
28 the form will direct us to the "query.php" file -->
29 <form method="post" action="query.php">
30 <!-- Enter the job title and location to display the data from MySQL -->
31 <input type="text" name="job">
32 <input type="text" name="city" placeholder="City" />
33 <input type="text" name="state" placeholder="State" />
34 <input type="submit" value="Find Tech Jobs" />
35 </form>
36 </div>
37
38 </body>
39
40 </html>
41 </html>
42
```

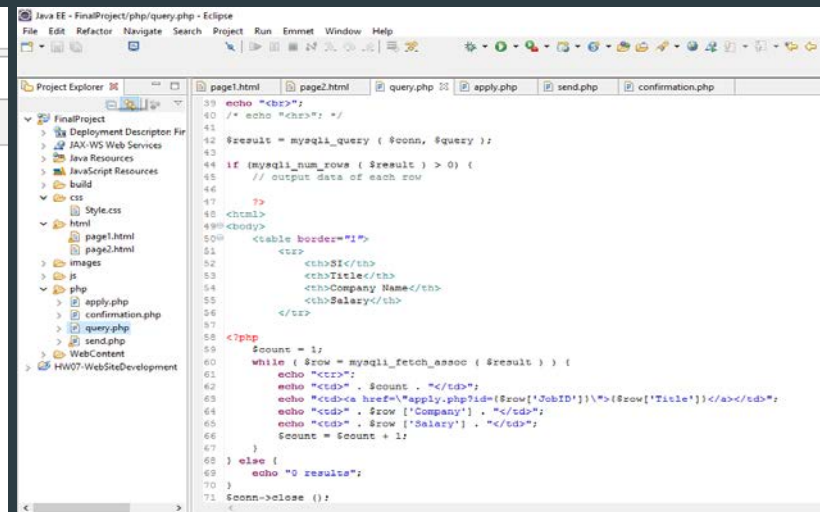
Implementation

- ▶ Job Search results webpage



The screenshot shows a web browser window with the URL `localhost/FinalProject/php/query.php`. The page title is "Search Results". Below the title, the text "Developer Fort Wayne IN" is displayed. A table with the following data is shown:

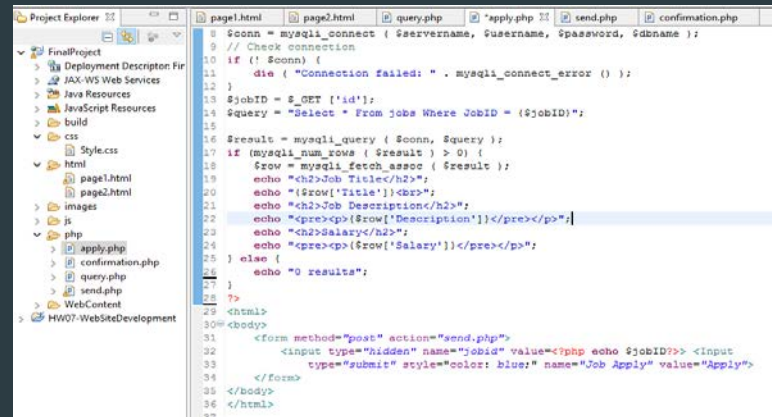
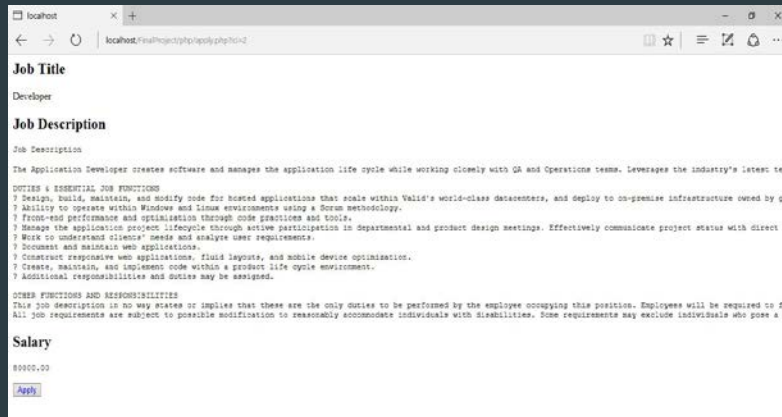
SI	Title	Company Name	Salary
1	Developer	TEKsystems	80000.00



```
39 echo "<br>";
40 /* echo "<br>"; */
41
42 $result = mysqli_query ( $conn, $query );
43
44 if (mysqli_num_rows ( $result ) > 0) {
45     // output data of each row
46
47     ?>
48 <html>
49 <body>
50 <table border="1">
51     <tr>
52         <th>SI</th>
53         <th>Title</th>
54         <th>Company Name</th>
55         <th>Salary</th>
56     </tr>
57
58 <?php
59 $count = 1;
60 while ( $row = mysqli_fetch_assoc ( $result ) ) {
61     echo "<tr>";
62     echo "<td>" . $count . "</td>";
63     echo "<td><a href='\"apply.php?id={ $row['JobID'] }'>{ $row['Title']}</a></td>";
64     echo "<td>" . $row ['Company'] . "</td>";
65     echo "<td>" . $row ['Salary'] . "</td>";
66     $count = $count + 1;
67 }
68 } else {
69     echo "0 results";
70 }
71 $conn->close ();
```

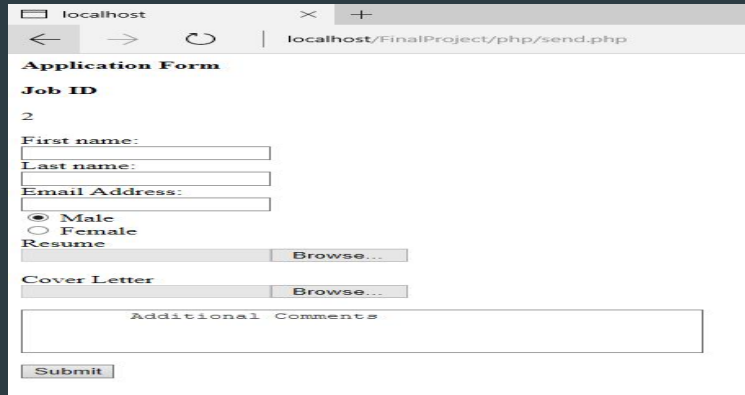
Implementation

► Job Description Page



Implementation

► Job Application Page



localhost localhost/FinalProject/php/send.php

Application Form

Job ID
2

First name:

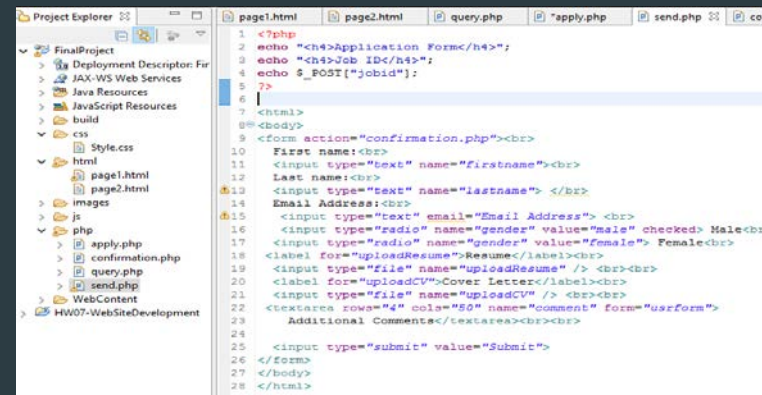
Last name:

Email Address:

Male
 Female

Resume

Cover Letter



```
1 <?php
2 echo "<h4>Application Form</h4>";
3 echo "<h4>Job ID</h4>";
4 echo $_POST["jobid"];
5 ?>
6 |
7 <html>
8 <body>
9 <form action="confirmation.php"><br>
10 First name:<br>
11 <input type="text" name="firstname"><br>
12 Last name:<br>
13 <input type="text" name="lastname"> </br>
14 Email Address:<br>
15 <input type="text" email="Email Address"> <br>
16 <input type="radio" name="gender" value="male" checked> Male<br>
17 <input type="radio" name="gender" value="female"> Female<br>
18 <label for="uploadResume">Resume</label><br>
19 <input type="file" name="uploadResume" /> <br><br>
20 <label for="uploadCV">Cover Letter</label><br>
21 <input type="file" name="uploadCV" /> <br><br>
22 <textarea rows="4" cols="50" name="comment" form="usrform">
23 Additional Comments</textarea><br><br>
24
25 <input type="submit" value="Submit">
26 </form>
27 </body>
28 </html>
```

Implementation

► Confirmation Page

The screenshot shows a web browser window displaying a confirmation page. The page content is: **Thank you for applying. Best of Luck!**

The browser's address bar shows the URL: `localhost/FinalProject/php/confirmation.php?first=`

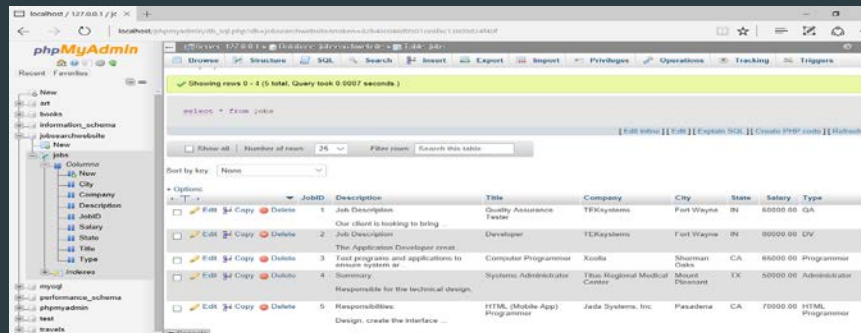
The browser's developer tools are open, showing the following HTML code:

```
<?php
echo *$first*Thank you for applying. Best of Luck!</?php

```

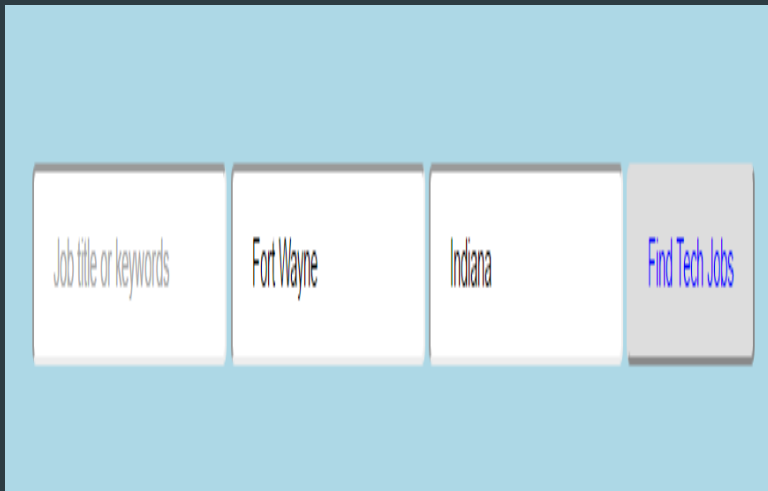
Implementation

- ▶ Used MySQL to create a database for my website

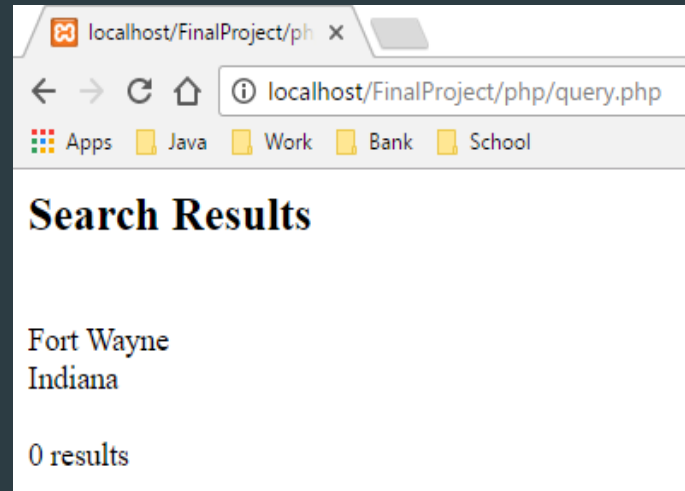


Testing

- ▶ Data validation:
- ▶ User will receive zero job search results, if they don't enter any data inside the textbox "Job title or key words" .

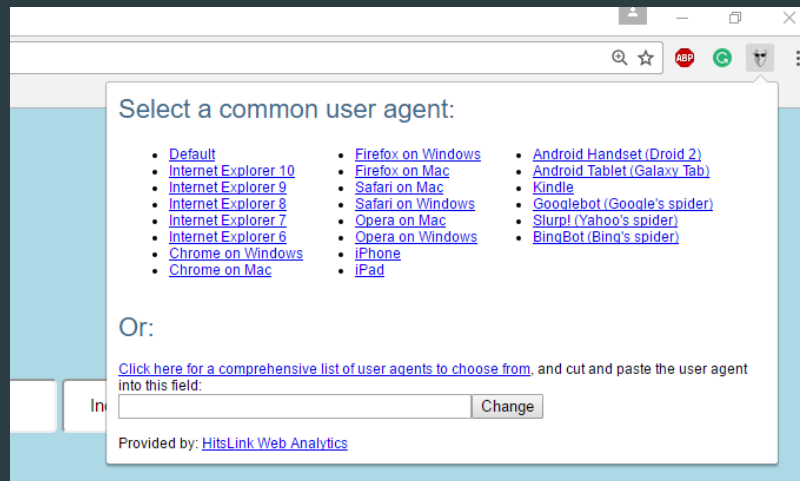


A screenshot of a web form on a light blue background. It contains three white input fields with rounded corners and a grey submit button. The first field is labeled "Job title or keywords" and is empty. The second field contains the text "Fort Wayne". The third field contains the text "Indiana". The submit button is labeled "Find Tech Jobs" in blue text.



Testing

- ▶ Tested the website in different browsers and I used an application name “agent string” to test the website.
- ▶ I installed the application on my laptop. See the screenshot below:



Website Testing results on different browser

The following webpages was tested on Internet Explorer 10, Firefox, Safari on Mac and Android Tablet (Galaxy Tab).

Tested the website successfully. On different browsers.

The image displays four browser windows, each showing the same search results page for a query. The results are consistent across all browsers, indicating successful testing. Each window includes a 'Search Results' section with a table of results and a 'Developer' section with the name 'Fort Wayne IN'.

Sl	Title	Company Name	Salary
1	Developer	TEKsystems	\$0000.00

Developer
Fort Wayne
IN

Current: Internet Explorer 10
Select a common user agent:
Default, Firefox on Windows, Googlebot-Mobile, Internet Explorer 10, Firefox on Mac, Googlebot-Mobile, Internet Explorer 9, Safari on Mac, Googlebot-Mobile, Internet Explorer 8, Opera on Mac, Googlebot-Mobile, Internet Explorer 7, Opera on Windows, Googlebot-Mobile, Internet Explorer 6, Opera on Windows, Googlebot-Mobile, Chrome on Windows, Chrome on Mac, iPad

Or:
Click here for a comprehensive list of user agents to choose from and out and paste the user agent into this field.
Change

Provided by: [iStock Web Analytics](#)

Current: Firefox on Windows
Select a common user agent:
Default, Firefox on Windows, Googlebot-Mobile, Internet Explorer 10, Firefox on Mac, Googlebot-Mobile, Internet Explorer 9, Safari on Windows, Googlebot-Mobile, Internet Explorer 8, Opera on Mac, Googlebot-Mobile, Internet Explorer 7, Opera on Windows, Googlebot-Mobile, Internet Explorer 6, Opera on Windows, Googlebot-Mobile, Chrome on Windows, Chrome on Mac, iPad

Or:
Click here for a comprehensive list of user agents to choose from and out and paste the user agent into this field.
Change

Provided by: [iStock Web Analytics](#)

Current: Safari on Mac
Select a common user agent:
Default, Firefox on Windows, Googlebot-Mobile, Internet Explorer 10, Firefox on Mac, Googlebot-Mobile, Internet Explorer 9, Safari on Mac, Googlebot-Mobile, Internet Explorer 8, Opera on Mac, Googlebot-Mobile, Internet Explorer 7, Opera on Windows, Googlebot-Mobile, Internet Explorer 6, Opera on Windows, Googlebot-Mobile, Chrome on Windows, Chrome on Mac, iPad

Or:
Click here for a comprehensive list of user agents to choose from and out and paste the user agent into this field.
Change

Provided by: [iStock Web Analytics](#)

Current: Safari on Mac
Select a common user agent:
Default, Firefox on Windows, Googlebot-Mobile, Internet Explorer 10, Firefox on Mac, Googlebot-Mobile, Internet Explorer 9, Safari on Mac, Googlebot-Mobile, Internet Explorer 8, Opera on Mac, Googlebot-Mobile, Internet Explorer 7, Opera on Windows, Googlebot-Mobile, Internet Explorer 6, Opera on Windows, Googlebot-Mobile, Chrome on Windows, Chrome on Mac, iPad

Or:
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Change

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Summary & Conclusion