CSC 4330: Third Scrum
April 5, 2020
Group F
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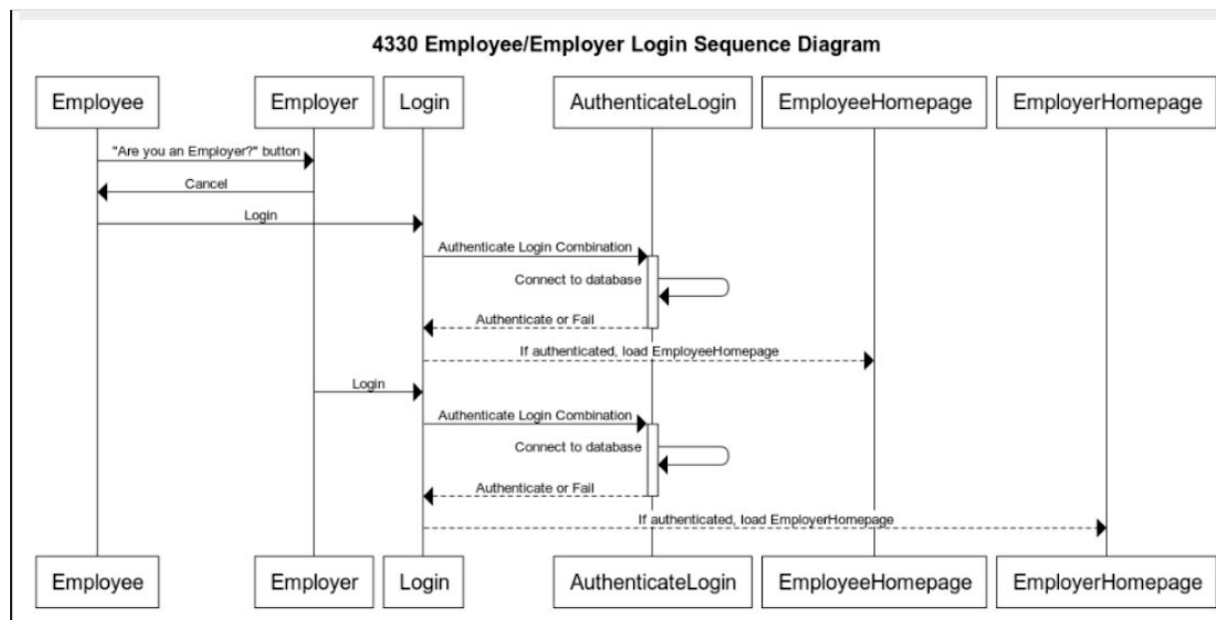Chase Laprime, Pravina Pidikiti

Sprint Requirements

- Search returns user profiles and company profiles
- Add and delete to and from database tables
- Match user credentials to database for authentication
- Create new user profiles
- Prompt for employer log in
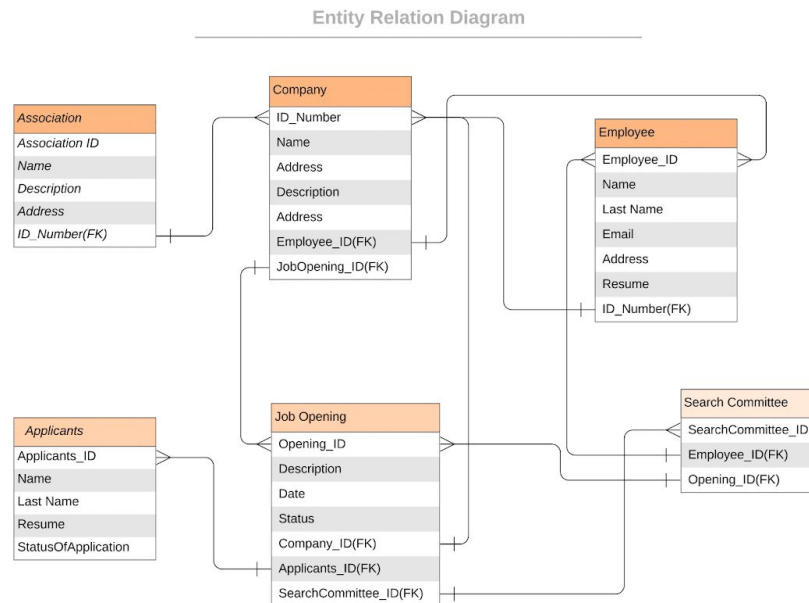- Load respective profile homepage

Use Cases, Sequence Diagrams, and Class Diagrams

- Users use the search feature and the system returns matching company/user profile
- Users are prompted to login then they are prompted to input their user ID number and password.
- Users can select if they are an employer then they will be prompted to input their user ID number and password
- User creates a new profile, the user is prompted to fill out a form with their personal information

Login page sequence diagram:

Entity Relationship Diagram *(database)*:

Entity Relation Diagram

Responsibility Table

Name	Responsibility
Benjamin Alterman	Search (JavaScript/PHP and HTML) and diagrams
Tyler Gallegos	Database (MYSQL) and diagrams
Chase Laprime	Sign in page (PHP and JavaScript) and diagrams
Pravina Pidikiti	Overall UI design and home page (JavaScript) and diagrams
Emilia Garcia-Saravia	Profile pages (JavaScript and PHP)

Sprint Review

During this sprint our team created pages for adding to and deleting from the various database tables, complete with pagination. Designed the interface for the job search feature. This allowed us to visualize how the applicant can filter the search based off of their preferences with job title,

job function, and location as well as job type: full time, part time, or internship. Job search can filter based on major to what jobs are looking for applicants in that specific major. For the next and final sprint our team seeks to finalize our interfaces of homepage and profile pages as well as completing the sign in page.

Test Cases

Correct combinations of Username & Password for Employees should redirect the Employee to the correct home page
Preconditions: User has already created an account
Assumptions: User already knows correct Username & Password combination
Steps:
1.   Navigate to Employee login page
2.   Enter username into input box corresponding to Username
3.   Enter password into input box corresponding to Password
4.   Click the Login button below the Password input box
Expected Result: A correct combination of Username & Password should authenticate correctly and direct the user to the homepage for Employees
Actual Result: A correct combination of Username & Password authenticates correctly, however it does not direct the user to the homepage for Employees
Status (Pass or Fail): Fail

New user profile is created
Preconditions: User does not already have an account
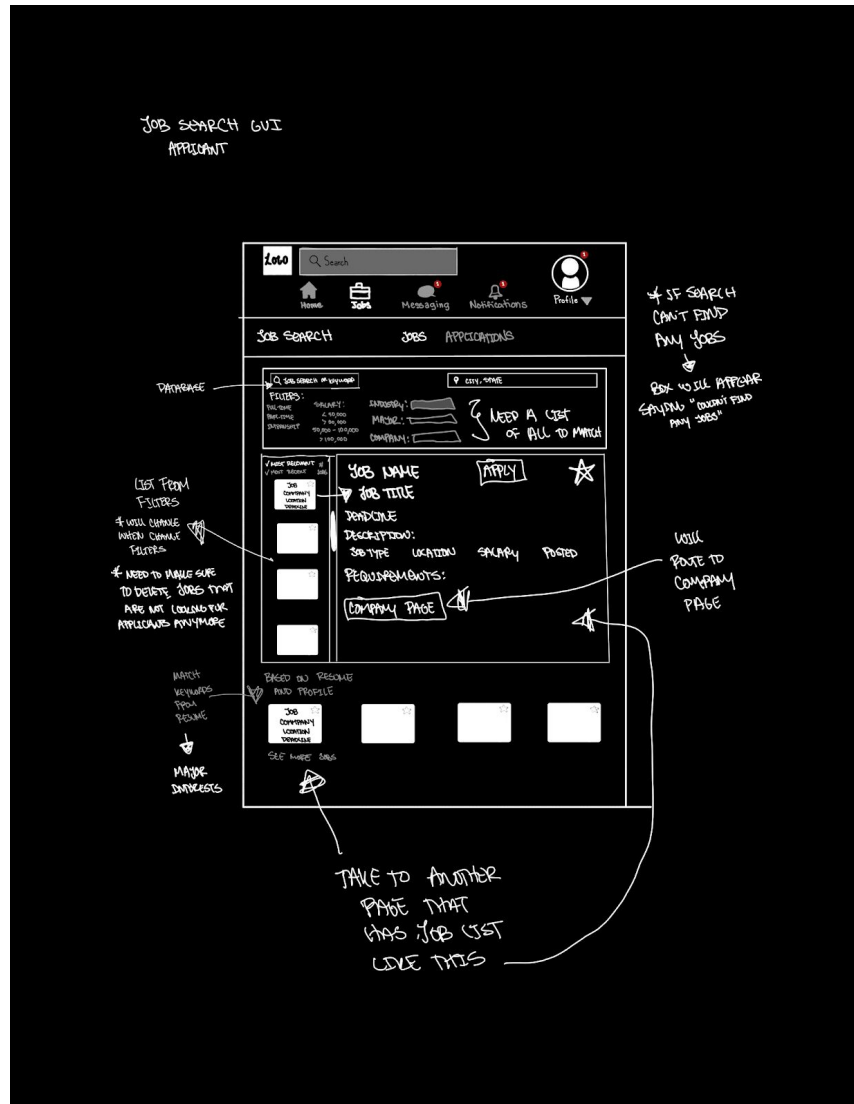**Steps:**
1.   Navigate to account creation page
2.   Enter username into input box corresponding to Username
3.   Username is tested for a match in the database
4.   If not taken, enter password into input box corresponding to Password
5.   Save username and password to database
Expected Result: new username and password are saved in the database
Actual Result: N/A
Status (Pass or Fail): N/A

Partial Product

Job Search GUI:

Search:

Database:

localhost

MAMP   Maintenance

WebSiteName   Home   Reporting   Search Committee Search   Applicant Search   Database Maintenance
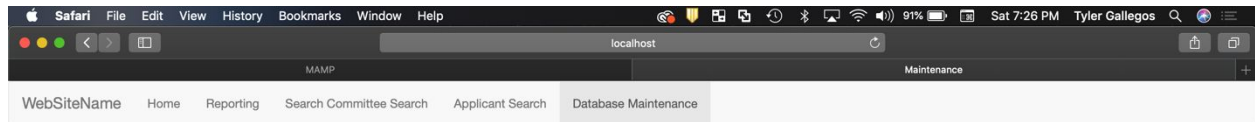
Database Maintenance

Manage Associations
Manage Companies
Manage Employees
Manage Jobs
Manage Applicants
Manage Search Committees

Code

Login and Homepage Pseudocode:

Employee Login
Load Page
Prompt for User Interaction (Username/Password, Create Account, Admin)
If Username and Password entered
   Check database for matching pair
   If authorized
      Link to Employee homepage
   Else
      Return "Unauthorized Login Credentials"
If create account
   Link to Account Creation
If Admin
   Link to Employer Login

Account Creation
Load Page
Have a Boolean, taken, set to false
Ask user to input username
Check database for any matching usernames and if match, set taken to true

While(taken)
     Ask User to select a different username
     Check database again for matching usernames
Ask user to input and confirm password
Save username and password combination to database
Load form for Users to fill out to enter information about their profile
Redirect them to Login or Employee Homepage

Employer Login
Load Page
Prompt for Username and Job PIN
If authorized
     Load Employer Homepage w/ Admin privileges
Else
     Return "Unauthorized Login Credentials"

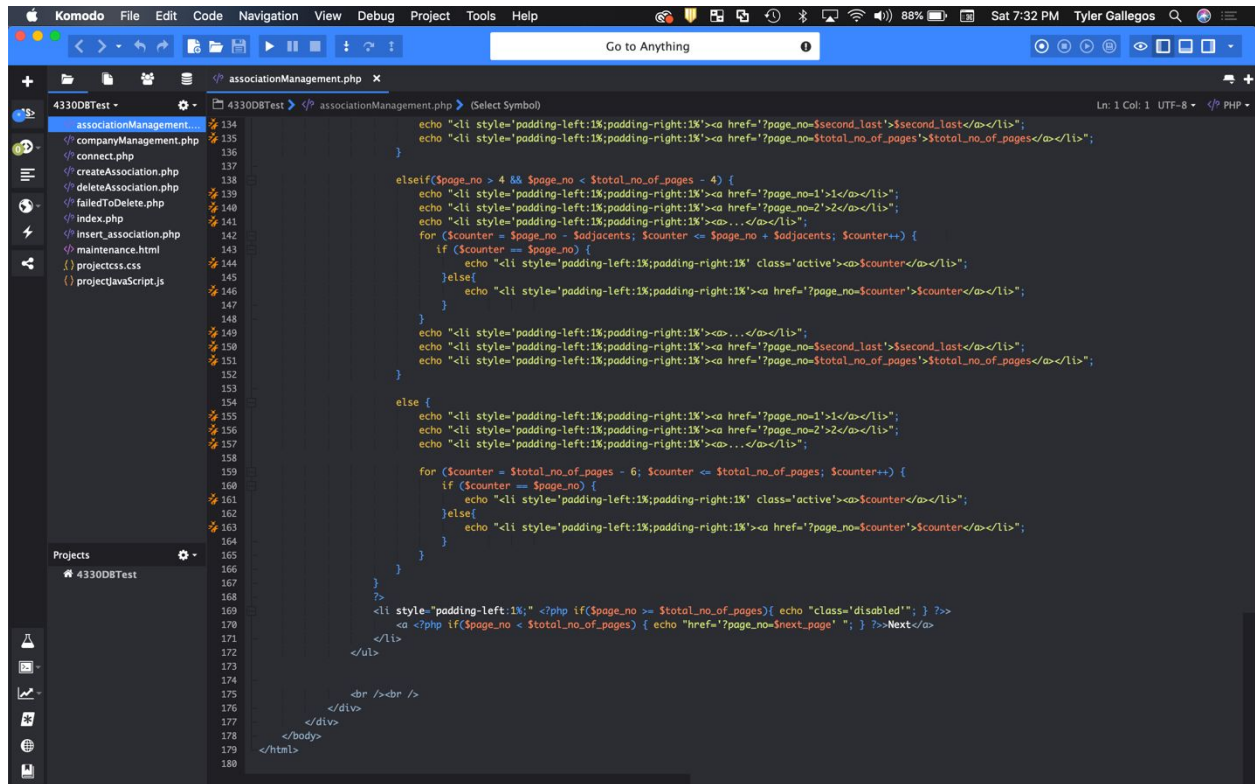**Employee homepage**
Connect to database
Load Profile
Load Page
Load User privileges (job search, submit resume, etc.)
Wait for User Interaction
Depending on User Interaction
     Load Profile, Job Search, Messaging, Resume,
     Applications, etc

Database:

```php
            </ul>
        </div>
        <div class="card-body">
            <table>
                <thead>
                    <tr>
                        <th>Name</th>
                        <th>Description</th>
                        <th>Address</th>
                        <th></th>
                    </tr>
                </thead>
                <tbody>
                    <?php
                        print("<h4>Associations</h4>");
                        require_once 'connect.php';
                        if (isset($_GET['page_no']) && $_GET['page_no']!="") {
                            $page_no = $_GET['page_no'];
                        } else {
                            $page_no = 1;
                        }

                        $total_records_per_page = 10;
                        $offset = ($page_no-1) * $total_records_per_page;
                        $previous_page = $page_no - 1;
                        $next_page = $page_no + 1;
                        $adjacents = "4";

                        $result_count = mysqli_query($link,"SELECT COUNT(*) As total_records FROM `Association`");
                        $total_records = mysqli_fetch_array($result_count);
                        $total_records = $total_records['total_records'];
                        $total_no_of_pages = ceil($total_records / $total_records_per_page);
                        $second_last = $total_no_of_pages - 1; // total page minus 1

                        $result = mysqli_query($link,"SELECT * FROM `Association` LIMIT $offset, $total_records_per_page");
                        while($row = mysqli_fetch_array($result)){
                            echo "<tr>
                                <td>".$row['name']."</td>
                                <td>".$row['description']."</td>
                                <td>".$row['address']."</td>
                                <td><a href='/deleteAssociation.php?id=".$row['association_id'] . "'>" . "DELETE</a></td>
                            </tr>";
                        }
                    ?>
                </tbody>
            </table>
```

```php
<!DOCUTYPE html>
<html lang="en" dir="ltr">
    <head>
        <meta charset="utf-8">
        <meta name="viewport" content="width=device-width, initial-scale=1">
        <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlS
        <script src="https://code.jquery.com/jquery-3.2.1.slim.min.js" integrity="sha384-KJ3o2DKtIkvYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN" crossorigin="anon
        <script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js" integrity="sha384-ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusv
        <script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js" integrity="sha384-JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUarS+76PVCmYl

        <style>
            table {
                font-family: arial, sans-serif;
                border-collapse: collapse;
                width: 100%;
            }

            td, th {
                border: 1px solid #000000;
                text-align: left;
                padding: 8px;
            }

            tr:nth-child(even) {
                background-color: #dddddd;
            }
        </style>
        <title>Association Maintenance</title>
    </head>
    <body>
        <nav class="navbar navbar-default">
            <div class="container-fluid">
                <div class="navbar-header">
                    <a class="navbar-brand" href="#">WebSiteName</a>
                </div>
                <ul class="nav navbar-nav">
                    <li><a href="/index.php">Home</a></li>
                    <li><a href="/reporting">Reporting</a></li>
                    <li><a href="/searchCommitteeSearch">Search Committee Search</a></li>
                    <li><a href="/applicantSearch">Applicant Search</a></li>
                    <li class="active"><a href="/maintenance.html">Database Maintenance</a></li>
                </ul>
            </div>
        </nav>

        <h1 style="margin-left:1%">Association Management</h1>
        <div class="card text-center">
```