

CSJobLand

Web Site Development

Fall 2015
IAD Final Project

Lixia Zhao
Edith Castro Granja
Shanshan Jiang
Xueyue Zhang
Zackline Mendy

Table Of Content

| | |
|--|-----------|
| Introduction | 3 |
| Implementation | 4 |
| 1. HTML Page Structures | 4 |
| 1.1 Header and Footer | |
| 1.2 Navigators | |
| 1.3 Job List and Search Page | |
| 1.4 Job Details Page | |
| 1.5 Registration and Login System | |
| 1.6 Job Seeker Profile | |
| 1.7 Job Seeker Edit Profile | |
| 1.8 Employer Job Listing | |
| 1.9 Employer Edit A Job | |
| 1.10 Employer Add A Job | |
| 1.11 Employer Delete A Job | |
| 1.12 Employer Browse Job Seeker | |
| 1.13 Employer Search For Job Seeker's Profile | |
| 1.14 Logout | |
| 2. Data Attributes and ER Diagrams ER Diagrams | 21 |
| Future Work..... | 26 |
| Conclusion | 27 |
| Reference | 27 |

Introduction

The general purpose of our project is to build a job board website especially for SJU computer science students. SJU students can browse the latest jobs posted in the website. They can also search jobs by job categories, state and keyword, or combines any of the three searching fields.

There are two nice functions for this website:

- 1) If a user registers and logs in as a job seeker, he/she can add his/her profile by filling in his/her experience in a form. An html profile page generates based on the form filled by the user. The job seeker can also update his/her profile. Therefore, his/her profile can be browsed and searched by a user who logs in as an employer;
- 2) If a user registers and logs in as an employer, he/she can add jobs by filling in form. The employer can also edit or delete his/her job list. As an employer, he/she can also browse and search job seekers' profiles.

Now, most medium or large size companies have an online job board.

This project is a good practice to apply our skills learnt in the

classroom setting to the real life. It also could potentially benefit SJU students majoring in the computer science.

Implementation

The website is built by using PHP, html, JavaScript/jQuery, Ajax, CSS and MySQL database structure. It also implement HTMLkickstart. For example: the icon classes are from kickstart package.

```
<li class="current"><a href="index.php"><i class="icon-home"></i> Home</a></li>
<!--<li><a href="jobs.php"><i class="icon-desktop"></i> Browse Jobs</a></li-->
<li><a href="SeekerReg.php"><i class="icon-user"></i> Job Seeker Register</a></li>
<li><a href="employerRegistr.php"><i class="icon-user"></i> Employer Register</a></li>
<li><a href="login.php"><i class="icon-key"></i> Login</a></li>
```

1. HTML Page Structures

All of the web pages of the website include the header and footer.

Many of them also include navigation menus. In order to avoid the duplication of workload and to manage the codes easily, all of the html pages except the login page (login.html) were saved as PHP files.

Therefore, they can be dynamically included in the other PHP files. For example:

```

index.php
1
2  <?php include ("header.php"); ?>
3  <?php include("navigator.php");?>
4  <?php include("jobsearchbox.php");?>
5  <?php require ("conn.php");?>
6
7
8      <div id = "myDiv" class="col_12 column">
9          <?php include("latestjobs.php");?>
10     </div>
11
12     <div class="clearfix"></div>
13     <?php include("footer.php");?>
14 </body>
15 </html>

```

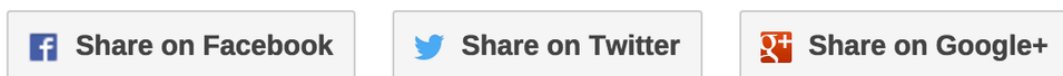
In this way, the codes are managed in a modularized way.

1.1 Header and Footer

Every page of the website has header and footer.



Header shows the title of the website: csJobLand and the pictures of faculty in the SJU CS department. Using CSS animation, such as transfer and rotate, these pictures can be rotated when the mouse hovers over them.



12/11/2015 11:31 AM Copyright ©2015, CS JobLand, All Rights Reserved

Footer includes Facebook, twitter, Google+ icons and the current time. These icons can be accessed to share the website. The current time is generated by JavaScript functions.

1.2 Navigators

Every page has a navigator. There are three sets of navigators. The home page, registration pages and login page have the same navigator. The menu highlights with blue when in the current page.



If a user login in as a job seeker, the user will see a different navigator:



The navigator includes my profile, edit profile, browse jobs, logout and welcome message that shows the name of the user.

If a user login in as an employer, the user will see his/own navigator:



The navigator includes my job list, add jobs, browse jobseeker, logout and welcome message that shows the email of the user (The employer table does not have name attributes).

The navigators function as the restriction of user's privilege granted based on their type (employer or job seeker).

1.3 Job List and Search Page

Users can browse the latest job list and search job even they do not login to the website.



A search bar with four elements: a text input field labeled "Enter Keywords...", a dropdown menu labeled "Select State", another dropdown menu labeled "Select Category", and a "Submit" button.

Latest Job Listings

| | |
|-------------------|--|
| Part Time | iOS Developer (Philadelphia, PA) 2015-12-02 We are seeking an iOS developer with a passion for building compelling experiences to join our growing team. You will work with some of the brightest project managers, designers, and developers in the... |
| Full Time | Junior Java Developer (king of prussia, PA) 2015-12-01 Primary Job Responsibilities The primary focus of this position is to work closely with Feith Systems & Software's (FSS) account management teams and project managers to provide technical... |
| Internship | Systems Administrator (Chicago, IL) 2015-12-01 The Systems Administrator evaluates, recommends, configures, deploys, and monitors the backbone of Information Technology in the Health System. The Systems Administrators all work closely together |

The “Latest Job Listings” lists the jobs ordered by the date added. The list shows the type of jobs (full time, part time and internship) in different colors, job title, location, post date and abbreviation of the job description.

The search can combine keywords (title and description) or state or category or one of the three. The layout the result page is similar to the “Latest Job Listing”:

Select State ▾

Select Category ▾

Submit

Search Result Listings

Full Time

Junior Java Developer (king of prussia, PA)
2015-12-01
Primary Job Responsibilities
The primary focus of this position is to work closely with Feith Systems & Software's (FSS) account management teams and project managers to provide technical...

Full Time

Web Application Developer (Fort Washington, PA)
2015-11-28
Primary Job Responsibilities
The primary focus of this position is to work closely with Feith Systems & Software's (FSS) account management teams and project managers to provide technical...

Full Time

Web Developer (Greensboro, NC)
2015-11-16
Basic Function

If no result was found, an image will show:

Illinois ▾

Select Category ▾

Submit

Search Result Listings



1.4 Job Details Page

Click the job title, the details of a job will show up:

Front End Web Developer

Location:Blue Bell,PA

Job Type: Part Time

Description:

Responsibilities Java Developers at CapTech are part of an intelligent, highly motivated community of developers who strive to continuously learn the latest tools and architectures to deliver innovative solutions for our clients. They are involved in the design, development and delivery of vital internal and customer facing systems in partnership with a variety of Fortune 500 clients.

CapTech developers enjoy a collaborative environment and have many opportunities to learn from and share knowledge with other CapTech developers, architects, and our clients. CapTech Java Developers deliver solutions for clients that include: REST and traditional SOAP based clients and services, JavaEE based integrations, cloud based deployments, and web and portal front ends.

Specific responsibilities for the Java Developer position include:

Understand the challenges being addressed by an engagement and collaborate with team members and clients to deliver a technical solution that meet the unique needs of our clients

Create quality deliverables to communicate technical solutions to appropriate audiences

Design, develop and test Java based solutions using common standards and frameworks such as JAXB, JAX-WS, JAX-RS, JPA, JavaEE, Spring, and Hibernate

Leverage CapTech's internal programs and self-directed training to continually develop industry relevant knowledge and skills

Provide technical mentoring and leadership to more junior resources.

Contact Email: hr@informative.com

Expired Date: 2016-02-13

[Back To Jobs](#)

The details of a job include job title, location, job type, description, contact email and expired date.

1.5 Registration and Login System

The website has two separate registration systems. One is for the job seeker, and one is for the employer.

[Home](#) [Job Seeker Register](#) [Employer Register](#) [Login](#)

JobSeeker Registration Page

Role

JobSeeker

First Name

Lixia

Last Name

Zhao

Email:

123456

Password:

.....

Confirm Password:

.....

Phone:

2402051634

Address:

711 Stradone Road

City:

BALA CYNWYD

State:

PA

Zip Code:

19004

Created Date:

12 / 01 / 2015

Register

Please include an '@' in the email address. '123456' is missing an '@'.

JavaScript error checking checks the formats of input fields, such as email, password, phone and address etc.

[Home](#)
[Job Seeker Register](#)
[Employer Register](#)
[Login](#)

Employer Registration Page

Role

Employer

Email:

lz633507@sju.edu

Password:

.....

Confirm Password:

.....

Contact Name:

Eric

Company Name:

Waldron

Website url:

http://www.sju.edu

Phone:

2402051634

Address:

711 Stradone Road

City:

BALA CYNWYD

State:

PA

Zip Code:

19004

Register

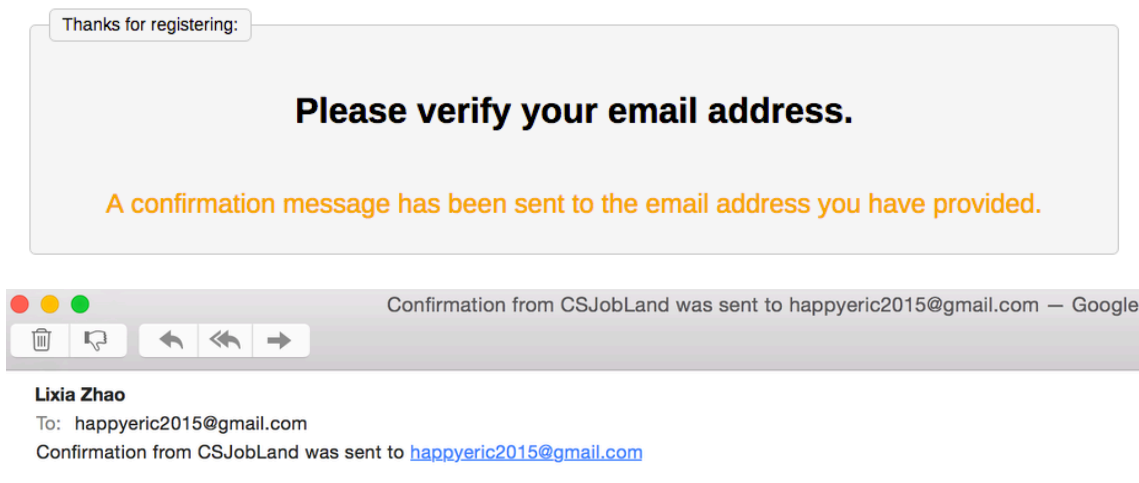
The page at localhost:8888 says:

Sorry! This account already exists. Please enter a different email address

☐ Prevent this page from creating additional dialogs.

OK

After successfully registered as an employer or job seeker, a confirmation email will send to the user's email address.



Dear Chen Eric Your account has been created! Thank you for visiting CSJobLand!

If a user login successfully as an employer or a job seeker, the session track starts until the user logout. User's email address is used as the value of the session tracking.

Login Page

Email:

Password:


User Types:

1.6 Job Seeker Profile

If a job seeker login to the system, the seeker will see a different navigator menu from the homepage, his/her welcome message and the seeker's profile if he/she already created one.

My Profile Edit Profile Browse Jobs Logout Welcome meggie Zhao

meggie Zhao's Profile




| | |
|-----------------|---|
| Name: | meggie, Zhao |
| Email | lz633507@sju.edu |
| Phone | 2402051634 |
| address | 711 Stradone Road,Bala,PA |
| Skill: | Front-End and Back End Web Technologies |
| Desired Salary: | \$60000 |
| Projects: | Project1: Used Google TTS to convert text to audio files Project2:Create a JobBoard for CS Student |
| Education1: | Master of Computer Science Saint Joseph University |
| Education2: | University of Illinois at Urbana-Champaign |
| Education3: | Chinese University of HongKong |
| Experience1: | Technical Service Librarian |
| Experience2: | Electronic Resources Librarian |
| Experience3: | Technical Service Coordinator |
| Award: | |
| Hobby | Cooking Hiking |
| Language | Java, JavaScript, PHP, HTML, XML, Ruby |
| Publication | |

The job seeker can add profile if he/she does not have one.

[My Profile](#) [Edit Profile](#) [Browse Jobs](#) [Logout](#) Welcome Eric Chen

Eric Chen's Profile



+Add Profile

Fill in the form to create a profile:

[My Profile](#) [Edit Profile](#) [Browse Jobs](#) [Logout](#) Welcome Eric Chen

Filename: No file chosen

Or Fill in the Form If You Do not Choose to Upload Your Resume

Skills:

Project:

Computer Language:

Education1:

Education2:

Education3:

Experience1:

Experience2:

Experience3:

Honor:

Hobby:

Publication:

Desired Salary:

1.7 Job Seeker Edit Profile

Job seeker can also update his/her existing profile:

| My Profile | Edit Profile | Browse Jobs | Logout | Welcome meggie Zhao |
|--------------------|--|-------------|--------|---------------------|
| Skill: | Front-End and Back End Web Technolo | | | |
| Project: | <P>Project1: Used Google TTS to convi | | | |
| Computer Language: | Java, JavaScript, PHP, HTML, XML, Rut | | | |
| Education1: | Master of Computer Science S | | | |
| Education2: | University of Illinois at Urbana-Champai | | | |
| Education3: | Chinese University of HongbKong | | | |
| Experience1: | Technical Service Librarian | | | |
| Experience2: | Electronic Resources Librarian | | | |
| Experience3: | Technical Service Coordinator | | | |
| Honor: | | | | |
| Hobby: | <p>Cooking</p><p>Hiking</p> | | | |
| Desired Salary: | \$60000 | | | |
| Update | | | | |

1.8 Employer' s Job Listing

If an employer already created jobs, the employer will see the list of jobs he/she created after he/she login.

Your Job Listing

Web Application Developer

[Edit](#)[Delete](#)**Full Time****(Fort Washington, PA)**

2015-11-28

Primary Job Responsibilities

The primary focus of this position is to work closely with Feith Systems & Software's (FSS) account management teams and project managers to provide technical...

Software Engineer

[Edit](#)[Delete](#)**Full Time****(Philadelphia, PA)**

0000-00-00

Role Purpose: Elsevier Adaptive Learning is developing a next generation product suite which will transform learning in the healthcare space. We now require talented, hands-on Software Engineers to...

[Share on Facebook](#)[Share on Twitter](#)[Share on Google+](#)

12/11/2015 23:45 PM Copyright @2015, CS JobLand, All Rights Reserved

If the employer has not posted a job yet, his/her list will be empty. The employer can add a job by clicking "Add Job" button.

You Do Not Have Any Jobs

[+Add Job](#)[Share on Facebook](#)[Share on Twitter](#)[Share on Google+](#)

12/11/2015 23:47 PM Copyright @2015, CS JobLand, All Rights Reserved

1.9 Employer Edit A Job

Part Time

iOS Developer

EditDelete

(Philadelphia, PA)

2015-12-02

We are seeking an iOS developer with a passion for building compelling experiences to join our growing team. You will work with some of the brightest project managers, designers, and developers in the...

Full Time

Junior Java Developer

EditDelete

(king of prussia, PA)

2015-12-01

Primary Job Responsibilities
The primary focus of this position is to work closely with Feith Systems & Software's (FSS) account management teams and project managers to provide technical...

The jobs posted by an employer can be deleted or edited. The editing form shows up after clicking the “edit” button.

My JobList

Add Jobs

Browse JobSeeker

Logout

Welcome chenzhimincn@hotmail.com

| | |
|----------------|---------------------------------------|
| Company Name: | O3 World |
| Title: | iOS Developer |
| Description: | <p>We are seeking an iOS developer wi |
| City: | Philadelphia |
| State: | PA |
| Zipcode: | 19011 |
| Contact Email: | chenzhimincn@hotmail.com |
| Post Date: | 12 / 02 / 2015 |
| Expired Date: | 01 / 31 / 2016 |
| Salary: | 70000 |

save

After update the form and click “save” button, the page redirects to “My JobList” which lists the employer’s jobs.

1.10 Employer’s Add A Job

[My JobList](#)
[Add Jobs](#)
[Browse JobSeeker](#)
[Logout](#)
Welcome happyeric2015@gmail.com


Company Name:
Title:
Type:
Category:
Description:
City:
State:
Zipcode:
Contact Email:
Post Date:
Expired Date:
Salary:

1.11 Employer Delete A Job

Employer can also delete a job by clicking delete button. A pop up message will remind if the employer really want to delete it.

Full Time

2015-11-16



The page at localhost:8888 says:
Are you sure?
☐ Prevent this page from creating additional dialogs.

Full Time

(State College, PA)

2015-11-11

State College Borough is seeking to fill a full-time Systems Administrator position to join a great IT team to implement, support, and maintain all information systems including networks, servers, desktops,...

Java Developer

Edit

Delete

Part Time

(Bala, AL)

2015-11-11

gatherDocs is looking for a few bright summer part-time interns. The program will last 10 weeks and will take place at gatherDocs headquarters in Northern Liberties. Interns will work within small teams...


1.12 Employer Browse Job Seeker

Employer can also browse the featured job seekers. The job seekers profiles are listed in order by their profiles recently added.

[My JobList](#) [Add Jobs](#) [Browse JobSeeker](#) [Logout](#) Welcome [chenzhimincn@hotmail.co](#)

Featured Job Seekers

This page features job seekers in the CSJobLand who are looking for employment. They are listed in order by their profiles recently added.

 Name: [meggie Zhao](#)

 Name: [Schmitt Carine](#)

 Name: [Donald Duck](#)

 Name: [Zackline Mendy](#)

 Name: [xueyu zhang](#)

1.13 Employer Search For Job Seeker's Profile


Employers can also search job seekers' profiles by combining keywords which retrieve words from "skills", "education", "experience", "hobby", "project" and "language" from the profile table with the location.

[My JobList](#)
[Add Jobs](#)
[Browse JobSeeker](#)
[Logout](#)
Welcome [chenzhimincn@hotmail.com](#)

Job Seekers Search Result:

 **Name:** [Donald Duck](#)

 **Name:** [meggie Zhao](#)

 **Name:** [xueyu zhang](#)

Detailed page of job seeker's profile:

[My JobList](#)
[Add Jobs](#)
[Browse JobSeeker](#)
[Logout](#)
Welcome [chenzhimincn@hotmail.com](#)

Donald Duck 's Profile



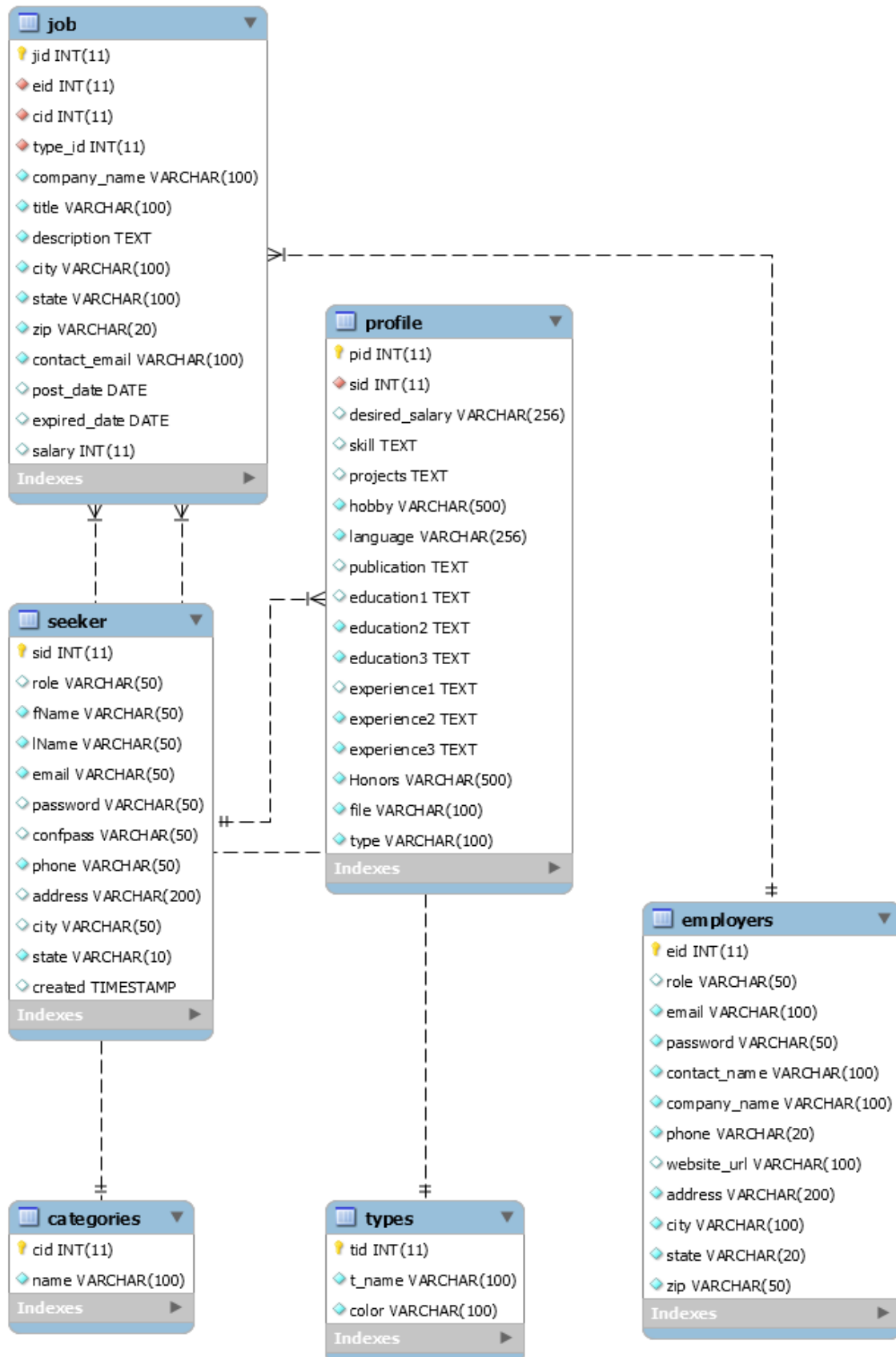
| | |
|------------------------|--|
| Name: | Donald, Duck |
| Email | chenzhimincn@hotmail.com |
| Phone | 2402051634 |
| address | 600 State Ave,Philadelphia,PA |
| Skill: | Front-End and Back End Web Technologies |
| Desired Salary: | \$10 |
| Projects: | Project1: Used Google TTS to convert text to audio files Project2:Create a JobBoard for CS Student Project3: Built a user authentication system on Ruby on Rails |
| Education1: | Master of Computer Science Saint Joseph University |
| Education2: | M.L.S University of Illinois at Urbana-Champaign |
| Education3: | M.Phil. Chinese University of Hong Kong |
| Experience1: | Technical Service Librarian |
| Experience2: | Electronic Resources Librarian |
| Experience3: | Teaching Assistant |
| Award: | Innovative Librarian |
| Hobby | HikingCooking |
| Language | Java, JavaScript, PHP, HTML, XML, Ruby |
| Publication | |

[Back to Jobseeker Search Result](#)

1.14 Logout

Session tracking will be destroyed after user logout. The page will be redirected to the homepage.

2. Data Attributes and ER Diagrams



Categories

- Categories ID
- Name

For deciding what information needed to be stored for categories, we include the categories id and name as attributes. The categories id was added to be the primary key to allow for searching.

```
-- Table structure for table `categories`  
CREATE TABLE `categories` (  
  `cid` int(11) NOT NULL AUTO_INCREMENT,  
  `name` varchar(100) NOT NULL,  
  PRIMARY KEY (`cid`)  
);
```

Employers

- Employer ID
- Role
- Email
- Password
- Contact_name
- Company_name
- Phone
- Website_url
- Address
- City
- State
- Zip

For deciding what information to be stored for the employer, we decided on having the minimum information necessary for fulfilling an employer form. The email address and password were included as a way to contact the employer and identify them when they log in. We also need employer id for primary key to connect to other tables. We add contact_name, company_name, phone, website_url, address, city, state and zip for the more information about the employer.

```
-- Table structure for table `employers`  
CREATE TABLE `employers` (  
  `eid` int(11) NOT NULL AUTO_INCREMENT,  
  `role` varchar(50) DEFAULT 'employer',  
  `email` varchar(100) NOT NULL,  
  `password` varchar(50) NOT NULL,  
  `contact_name` varchar(100) NOT NULL,  
  `company_name` varchar(100) NOT NULL,
```

```

`phone` varchar(20) NOT NULL,
`website_url` varchar(100) DEFAULT NULL,
`address` varchar(200) NOT NULL,
`city` varchar(100) NOT NULL,
`state` varchar(20) NOT NULL,
`zip` varchar(50) NOT NULL,
PRIMARY KEY (`eid`)
);

```

Types

- Type ID
- Type Name
- Color

For the types information we add type id, type name and color. The type id was added to be the primary key to allow for searching.

```

-- Table structure for table `types`
CREATE TABLE `types` (
  `tid` int(11) NOT NULL AUTO_INCREMENT,
  `t_name` varchar(100) NOT NULL,
  `color` varchar(100) NOT NULL,
  PRIMARY KEY (`tid`)
);

```

Job

- Job ID
- Employer ID
- Categories ID
- Type ID
- Company Name
- Title
- Description
- City
- State
- Zip
- Contact Email
- Post Date
- Expired Date
- Salary

For job table we included the job id so that the job is associated with a specific job. The employer id, categories id and type id are also added in case we use them as

foreign keys to connect with other tables. The job should also contain the company name, title, description, city state, zip, contact email and salary for the more details about the job. The job also has a status to let the others know it's posted date and expired date.

```
-- Table structure for table `job`  
CREATE TABLE `job` (  
  `jid` int(11) NOT NULL AUTO_INCREMENT,  
  `eid` int(11) NOT NULL,  
  `cid` int(11) NOT NULL,  
  `type_id` int(11) NOT NULL,  
  `company_name` varchar(100) NOT NULL,  
  `title` varchar(100) NOT NULL,  
  `description` text NOT NULL,  
  `city` varchar(100) NOT NULL,  
  `state` varchar(100) NOT NULL,  
  `zip` varchar(20) NOT NULL,  
  `contact_email` varchar(100) NOT NULL,  
  `post_date` date DEFAULT NULL,  
  `expired_date` date DEFAULT NULL,  
  `salary` int(11) DEFAULT NULL,  
  PRIMARY KEY (`jid`),  
  FOREIGN KEY (eid) REFERENCES employers (eid),  
  FOREIGN KEY (cid) REFERENCES categories (cid),  
  FOREIGN KEY (type_id) REFERENCES types (tid)  
);
```

Seeker

- Seeker ID
- Role
- First Name
- Last Name
- Email
- Password
- Confirm Password
- Phone
- Address
- City
- State
- Created

The seeker table includes the seeker id of the job seeker as the primary key. The seeker table should contain the role, first name, last name, phone, address, city,

state and created time for the details of the seeker. We also need password and confirm password to make sure the security of our job seekers.

```
-- Table structure for table `seeker`
CREATE TABLE `seeker` (
  `sid` int(11) NOT NULL AUTO_INCREMENT,
  `role` varchar(50) DEFAULT 'jobseeker',
  `fName` varchar(50) NOT NULL,
  `lName` varchar(50) NOT NULL,
  `email` varchar(50) NOT NULL,
  `password` varchar(50) DEFAULT NULL,
  `confpass` varchar(50) DEFAULT NULL,
  `phone` varchar(50) NOT NULL,
  `address` varchar(200) DEFAULT NULL,
  `city` varchar(50) DEFAULT NULL,
  `state` varchar(10) NOT NULL,
  `created` timestamp NULL DEFAULT CURRENT_TIMESTAMP,
  PRIMARY KEY (`sid`)
);
```

Profile

- Profile ID
- Seeker ID
- Desired salary
- Skill
- Projects
- Hobby
- Language
- Publication
- Education1-3
- Experience1-3
- Honors
- File
- Type

The profile entity contains the profile id of the profile as the primary key. The seeker id is used as foreign key to connect other tables. In the profile we also need desired salary, skill, projects hobby, language, publication, education, experience, honors, type and file of the seeker.

```
-- Table structure for table `profile`
CREATE TABLE `profile` (
  `pid` int(11) NOT NULL AUTO_INCREMENT,
  `sid` int(11) NOT NULL,
  `desired_salary` varchar(256) DEFAULT NULL,
```

```

`skill` text,
`projects` text,
`hobby` varchar(500) NOT NULL,
`language` varchar(256) NOT NULL,
`publication` text,
`education1` text,
`education2` text NOT NULL,
`education3` text NOT NULL,
`experience1` text,
`experience2` text NOT NULL,
`experience3` text NOT NULL,
`Honors` varchar(500) NOT NULL,
`file` varchar(100) NOT NULL,
`type` varchar(100) NOT NULL,
PRIMARY KEY (`pid`),
FOREIGN KEY (sid) REFERENCES seeker (sid)
);

```

Future Work

This website includes many pages. The Integration and management of the codes are not easy. Adopting MVC model to rewrite the project is one of the plans for the future work to improve our project. We were intended to use the popular PHP framework Laravel 5 as the framework for our project. Because of the learning curve for all of our team members and the short of tutorials for the Laravel 5, it is difficult to master this framework in such a short time. We plan this application would be eventually rewritten with Laravel5.

We are also working on to support more functions, such as supporting PDF, word file upload for the job seeker's profile. This function was added and is supported after we have done the group presentation.

The other function we would like to work on is to add the subscription function. So job seekers can subscribe particular jobs they are interested in.

Twitter-like following function is another function we want to add to our project.

Conclusion

It is a great practice for us to apply the skills we have learnt in the classroom to a real time project. It is also wonderful journey that we experienced our ideals become reality via web technologies. During this journey, we deeply felt that a blueprint can be complex during its implementation. During this process, we have to reflect frequently what is the main focus of the project, what are the top priorities of the project. The reflection helped us concentrate on our main focus while explore other possibilities.

This is also a process for us to explore the variety of web technologies. Working on this project helps us recognize our potentials and limitations in terms of the web development. The Acknowledgement of our limitations and the appreciation of our potentials motivate us continue exploring the state-of-art technologies.

Working as a team is a valuable experience for us. Teamwork teaches us take responsibility to complete the task and trust each other.

Reference

“20 Best Job Board Themes and Plugins for WordPress To Create Awesome Job Sites 2015” online available at <https://colorlib.com/wp/best-wordpress-job-board-themes/>

“My Favorite Recipes Web Site Development”
http://cs.sju.edu/~bforoura/courses/f15/620projects/Sample_Final_Report.pdf

“HTML KickStart” <http://www.99lime.com/>
“Font Awesome, the Iconic Font and CSS Toolkit”
<https://fortawesome.github.io/Font-Awesome/>

