

Group 110

Jiahao Wei(jw4312)

Xiaoxue Xiong(xx2385)

PstgreSQL account: w.jiahao

URL: <http://35.231.201.113:8111/>

Implementation:

We have implemented all parts of our original proposal in part 1.

For all user: Our application will let them post blogs and recommend them to users who have similar interests. Users can also like those blogs so that more blogs with similar topic or author will be pushed to them. They can also follow each other.

For employers: They can post jobs and make them pushed to person who has matched skills or experiences.

For job seekers, after they fill out education, experience and other information, our application will push jobs, blogs and other users according their personal information. They can also start their application from our site and write corresponding cover letter.

Through designing 6 web pages, we have fully implemented above functionalities.

Two of the web pages that require the most interesting database operations:

1. Job:

The job page is designed only for job seekers. After login their user id will be used to select corresponding application records from database. They can see the information of jobs they have applied such as job title, company name, address, skills requirement, job descriptions, the cover letter they submitted and so on. This page also shows recommended jobs for them which contains detailed job information. Such recommendation is based on their targets and skills. First select user's target job and skills by matching user id, then search in the table job to find records whose required skills or job description contains user's skills or job title contains user's target job. They can also submit cover letter which will create a new record in the table applies. There is also a place they can search for jobs they are interested in. They enter keywords like job title, company name, city, requirements and job descriptions. Then this input will be used to select records from the job table. This is interesting because it uses recommendation, select and insert operations through various matching.

2. Blog:

Both employers and job seekers can see a blog page which shows recommended blogs and blogs they liked and posted. By entering a specific keyword, they can search blogs that contain this keyword. They can also post new blogs by filling the form containing blog's title, keywords, author name and content.

The input in the blog post form will create a new record in the table blog. Also the recommendation is based on the people they followed. The table blog, blog_posts and follow are joined and then match the follower id. The records being followed by the user will be returned. Also the keyword input will be used to select records from blog table whose title,

content, keywords or author name contains the input.

This is interesting because it involves in the join of table and searching records by matching keywords.

Other 4 web pages:

3.Login and register:

The login page is shown first. For those who have already registered, they can use their use-id and password to login, while for new users they need to register first by clicking the link shown below the login form. Then new users need fill the form in the register page which contains user-id, password, email, first name, last name, address, phone number, age, etc.

4. Employer:

The employer page is designed only for employers. After the login process, employers will be directed to the employer page. In this page they can post jobs by filling the form which contains details like company name, job title, salary, requirements , job description and so on. The inputs of the form will insert a new record in the table job. There is also a link where they can view applicants' information of jobs they have posted. In this link they can click on applicants' user id to see detailed information.

5.People:

Both employers and job seekers can see a people page where they can see the user-id, name and email of people they have followed and users that are recommended for them to follow. They can also search users by entering keywords such as user's name, skills, company name, industry and user-id.

6.My profile:

My profile page is designed only for job seekers. They can see their work experiences and education information that they have submitted before. They can also add more experiences by filling the work experience and education form.