CS2300 Project 2
--- Zhidong Liu

1.

I have four necessary fields and one optional field when adding a new job to the job wall.

Both company name and location should be in the form of string. So I just use some defined function in php to receive them and test whether they are empty. If not, that's ok.

For Job ID, it's more important.

Firstly, I will detect whether this string only contains [0-9]* using preg_match.

Secondly, I will test its length. My rule is that the length should be no more than 6.

Later, I will fill up zeros on the left of this number to form a job id with length of 6. And then I will read data from data.txt to see whether the company name or job ID has already existed in database.

All the compare are case insensitive.

So if db has already one copy of "Google".

Then "google" or "Google" cannot be written into db again.

Similarly, if "000017" has already existed in db, then "17", "017" and so on can never be written into db.

For salary, I just detect whether it is an integer.

For link, it user inputs, I will detect whether it contains "www." and "http://".
If not, add them.

In search page, I have the same logic.

2.

Most important thing in my design is that I don't allow duplicate.
Any company with same name or id can only have one copy in my database.
In my mind, no company will have same name.
Moreover, the job id is just like the primary key in database. They should be ensured to be unique.
The use cannot input empty string.
Besides, the string for company name can't be over 15 and the string for location can't be over 30. The length of number for salary can't be over 10.

3.

When I search company name, the search is based on case insensitive.
So "google" and "Google" will come out with the same result.
Meanwhile, "17" "017" and so on will come out with the same result.
If you search "California", a bunch of company will come out.
But if you input a wrong-spelled word, nothing will come out.
Like if you search "googlg", nothing will come out.

4.

I use "AND" to connect them.
Why people need to add more fields when searching? Because they want to specify their search area. If I use or, nothing will help.
So I use and to help user better find what they want.
For example, if you input "California", a bunch of company will come out.
Maybe thousands of company. This time "OR" cannot help. But "AND" can help you spend less time finding what you want.

5.
As you can see, I add more complex functions to this project than the requirement.

I implement a login system.

So the information of username and password are all saved in usr.txt.

When I login in, I can use this table to check whether my username and password are right.

All the information about jobs are saved in data.txt.

There are 5 fields.

Necessary: Company name, Job ID, Location, Salary.

Optional: Website address.

If you don't have an account, don't worry, you can register at once.

The new username and password will be written into the usr.txt so that next time you can still login in.

You can cancel at once by clicking the Login Out button.

The status of the user is stored in status.txt.

Yes. Currently my website can only allow one user to login because I don't have too much time to write this website.

Every time this user logins, the status.txt will store his information, and then find the file depending on his username. And then program will open this file and print information on the page.

Every user has his own file, or table in ./usr_cart/.

For example, if one user is called lzd, then the file should be located at "./usr_cart/usr_lzd.txt".

And every time you click on the add button, these jobs will be added to your personal table and represent on your cart at the bottom of page at the same time.

But unfortunately, I don't implement a delete function to delete job.

Hope you can enjoy it.

--- ZD