

Workify - Milestone #0 Report

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Description of Application

Target Users:

- Employers who wish to hire students
- Students who wish to look for jobs

Description of Workflow:

The user has to select their identity, either as an employer or as a student.

When the user is a student that has not used this app before, he or she should fill out a form first. Students' name, id, major and contact information should be submitted. Students also need to provide a password.

When the user is a hiring company that has not used the website before, the user should fill out a form as a company/employer. The organization name, location need to be provided. The company name should not be the same as the existing employer users.

If the user has already submitted their information to our website, type in the student ID or the company name along with their password to get into the website for more functionality.

When the employer gets into the system,

Employers can post their jobs on the website:

- a. Employers need to specify the job titles
- b. Employers can specify the job description in limited words

Employer can see the following information:

- a. The jobs the user posted
- b. For each job the user posted, the website shows the number of applicants, the corresponding applicants' names and IDs

Employer needs to remove the job posting if the candidates are selected, or if the position is canceled.

When the students gets into the system, they can browse all the available job postings on the website. The applicant can filter the job listings based on criteria such as region, company name, rating and job category. When the students catch the job they want to apply, they can apply for it. The applicants can cancel the job applications if they want.

Source of dataset:

The dataset is a combination of job information scraped from WaterlooWorks and randomly generated data. For example, the companies are real companies but students (applicants) are made up.

Choice of Platform and User Interface

We will build the website with PHP/Google Cloud Platform. When the user enters the website, there are two buttons: “student” and “company”. After clicking the button, a form will pop up for new users to submit personal information. For the new company, the form contains the blanks to be filled out including the company name, the location and the password. For the new student, the student ID and the password needs to be set up on the form. Other users will receive a login form to verify their identifications.

For students, every job posting is followed by an “apply” button to invoke an application. Students can click “my job applications” to see the jobs they applied. Students can also cancel the application by clicking the button “cancel” next to the job title they want to cancel in “my job applications”.

For employers, there will be a form to fill out to post a new job. A form should include job titles, division, position type job description and application deadline. They can click the button “my postings” to see the jobs they posted. To remove a job posting, the user simply clicks “remove” in the row of that specific job posting.

Appendix :

Schema:

Job (JID int, *JobTitle* string, *Organization* string, *Division* string, *PositionType* string, *InternalStatus* string, *AppDeadline* string, *Description* string)

Company (Name string, *Rating* float, *Password* string, *Location* string)

Applicant (SID int, *Name* string, *Major* string, *Password* String, *ContactInformation* string)

Applied (SID int, JID int)