CPSC 304 Project Cover Page

Milestone #: ___1____

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Group Number: ___64____

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By typing our names and student numbers in the above table, we certify that the work in the attached assignment was performed solely by those whose names and student IDs are included above. (In the case of Project Milestone 0, the main purpose of this page is for you to let us know your e-mail address, and then let us assign you to a TA for your project supervisor.)
In addition, we indicate that we are fully aware of the rules and consequences of plagiarism, as set forth by the Department of Computer Science and the University of British Columbia

Project Description

The domain of this application is a job portal, which is designed to facilitate the entire spectrum of activities related to job-seeking and hiring processes. It serves as a platform connecting recruiters and job seekers seeking employment opportunities. It enables job posts to receive applications and provides job seekers with the ability to access information about interview updates. Furthermore, companies and job seekers can participate in career fairs to enhance information exchange. Overall, the application is designed to streamline and optimize the recruitment and job search aspects, allowing recruiters to find the most suitable candidates for open positions while giving job seekers valuable insights into a multitude of employment opportunities.

The database models various entities, including recruiters (users), job seekers (users), user login info, applications, job posts, scheduled interviews, interviewers, companies and career fairs. Moreover, the database also models the relationships between them. The database will keep track of all the user profiles and login credentials, job applications linked to specific job postings and the creation of job postings associated with specific companies by recruiters. The database also contains scheduled interviews, storing essential information such as the interviewers, interviewees (via applications) and corresponding positions. Additionally, the database tracks participants for forthcoming career fairs, equipping job seekers with insights into companies that have their recruiters registered in the job portal.

Database Specifications

Recruiters and job seekers are the users of the job portal. Recruiters of a company can have access to the job postings they created and the job postings related to the company they work for, as well as review the incoming applications submitted by job seekers for these job opportunities and explore detailed profiles of potential candidates. On the other hand, job seekers can manage their personal profiles, check out job postings, access a list of jobs for which they have submitted applications, and monitor the status of their applications. In addition to these capabilities, job seekers can access detailed information about the interviews related to their applications, including basic information about the interviewers, interview mode, date and location. Furthermore, the job portal provides an overview of upcoming career fairs and information about the participating companies, allowing job seekers to make decisions about their participation.

Application Platform Description

We have chosen Oracle and PHP as our preferred platforms for the project, so that we can use the department Oracle Server available. HTML, CSS, Javascript and probably the React

frameworks will be used to build the Graphic User Interface. In addition, we plan to use Git and Github as version control tools to track and manage our development process.

ER diagram
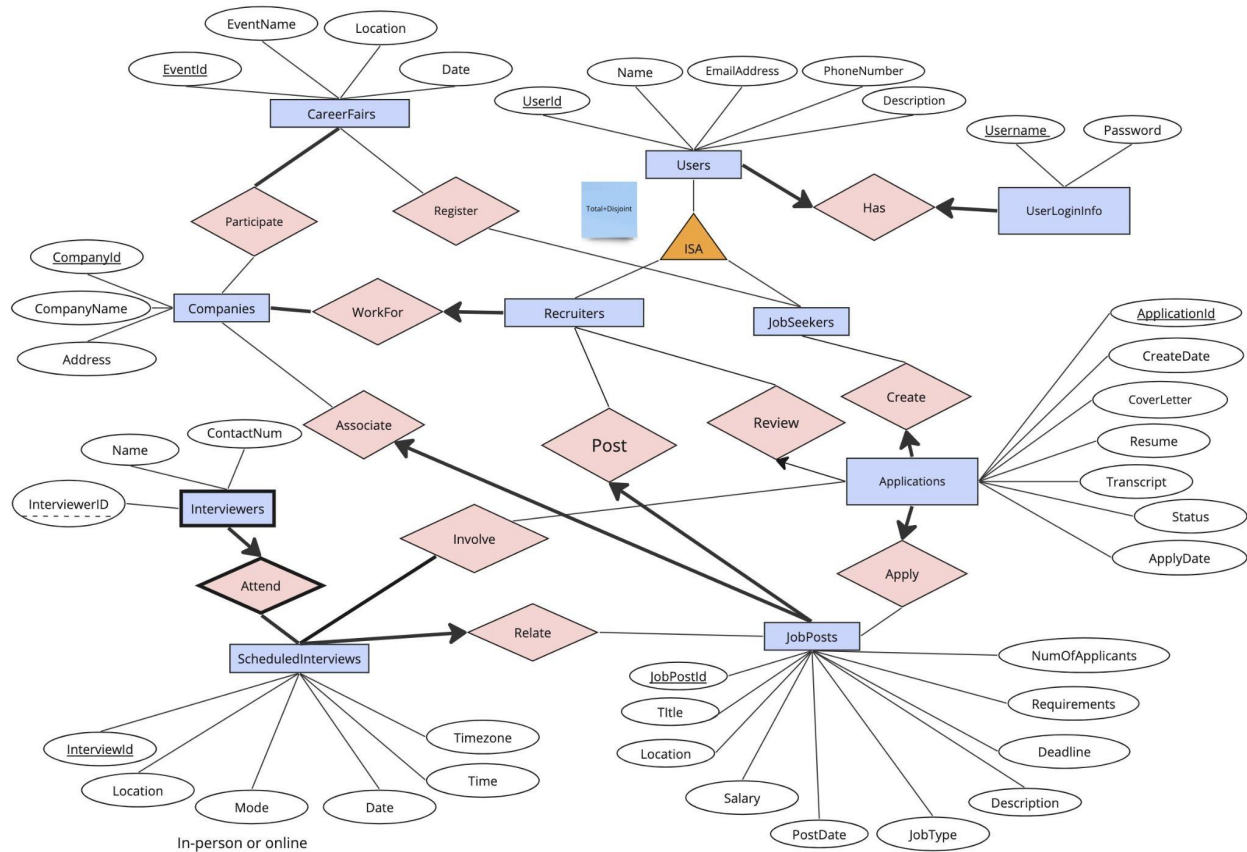
Other Comments

Assumption:

1. Interview Formats: The system accommodates both individual and group interviews, enabling the participation of multiple applicants in group interviews.

2. Career Fair Eligibility: To participate in career fairs, companies must have registered recruiters on the job portal, ensuring that only legitimate employers can join these events.

3. User Account Roles: User accounts are classified into two distinct roles: either as a recruiter or as a job seeker. Users can choose one role but not both, ensuring a clear distinction between these two user types.

4. <u>Applications by Job Seekers</u>: Job seekers should create separate applications for different job posts. Each application should only be related to one job post, and its status will be updated by the recruiters from the company.

5. <u>Access Control for Job Posts and Applications</u>: Only the recruiter who originally posted a job post can update and manage that specific job post. Each application can only be viewed and updated in status by the recruiter who posted the position to which the application relates.

6. <u>Contact Information for Interviewers:</u> Interviewers may have the same contact information, such as a company-mandated office phone number.

7. <u>Rules for Holding Job Fairs:</u> Recruiters will be periodically asked if their company wishes to participate in the career fair. If one or more companies choose to participate, a career fair will be announced with the participating companies listed for job seekers to learn about and decide whether to participate.