Milestone 1

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Project Group Number on Canvas: n/a; group named "group 0"

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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

CPSC 304 Introduction to Relational Databases
The University of British Columbia

2 Project Description

What is the domain of the application?

The domain of our application is to represent the relationships present on a job board like Indeed, Glassdoor, etc. The primary responsibility of a job board is to match applicants (prospective employees) with companies (employers) and any open positions that they wish to fill. Additionally, each company will have recruiters that are assigned the responsibility of scheduling applicants to interview with their company. Our goal is to model the typical recruiting pipeline that a company, recruiter, and applicant would undertake — from applying to receiving a decision regarding their candidacy and everything in between.

What aspects of the domain are modelled by the database?

The database will model the entities that include Applicants, Companies, Recruiters, Job Postings, Interview, Decisions, Information Sessions, and their respective attributes. In addition, the database will model the relationships between them including: scheduling, applying, posting (job postings), deciding (both ways), interviewing (both ways), and hosting (interview).

3 Database Specifications

What benefit does the database provide to the application?

Applicants can easily view all their applications, and companies can view all the applicants interested. Both applicants and companies can evaluate and give and view the final decisions regarding the application.

What functionality will the database provide?

Company post job, applicants apply for job, recruiter matches the applicants and employers, recruiter schedules interviews, interviewer hosts interview, both company and applicants evaluate and give a decision, company hosts information session.
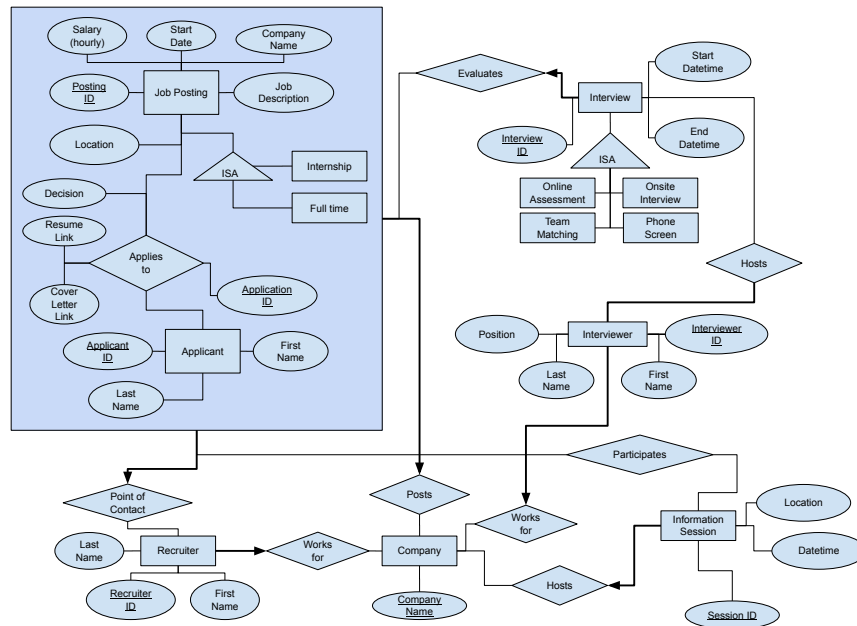
4 Application Platform

What platform will your project use?

What is your expected application technology stack?

We'll be using Java IDE for our project and we'll be programming in Java/JDBC for the backend, React (Javascript/JSX) and CSS for the frontend as well as SQL*Plus/Oracle for DBMS. We will be using Github and Git for collaboration and work management.

5   ER Diagram

Figure 1: Entity-relationship diagram for our project

6   Additional Comments

No further comments.