

# CPSC 304 Project Cover Page

Milestone #: 1

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Group Number: 73

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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

# Job Portal Database

## Project Description

The domain of our application is a job postings system. This includes many things such as both companies posting/trying to find applicants, as well as job seekers finding and applying to jobs.

The aspects that will be modeled by the domain are the relevant information for all parties involved in the job seeking process. This includes basic information (such as contact information) on the company, hiring manager, and job applicant so that all parties can contact each other easily. We also model education because this is important information that employers would like to look at. We also included a skill entity because oftentimes employers are looking for a specific skill (say knowledge of Java), thus this information can help both the employer and job seeker save time. Most importantly we model the relationship of applies between job and applicants since this is the main function of the database.

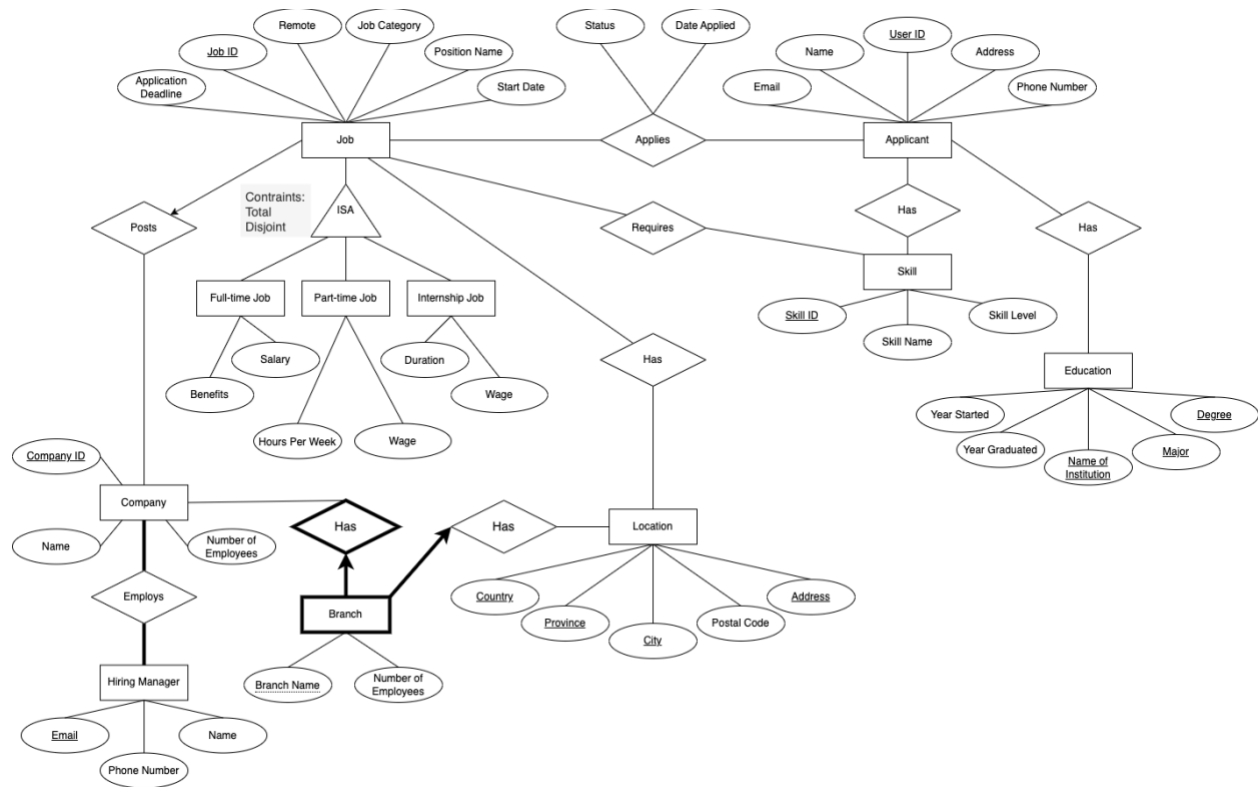
## Database Specification

The main functionality of the database is to provide users with a Job Portal to interact with as both the company and the applicant. People using this database will be able to make job postings. They will also be able to apply to jobs, as well as view relevant details for jobs such as the pay (if applicable, internships may have a wage of 0\$ an hour) or information on which company posted the job and how many employees that company has (since some people may want to work at big corporations, or some may prefer a smaller start-up), so that they may make an informed decision on whether or not they would like to apply to this job.

## Application

The platform we will use for this project is PHP and Oracle. In addition, the expected application stack will also include ReactJS for the front-end of the website and GitHub for version control.

## ER Diagram



## Comments

We assume that every company has at least one hiring manager, and every hiring manager belongs to at least one company.