

CPSC 304 Project Cover Page

Milestone #: 1

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Group Number: 47

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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 email 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

1. A brief project description answering these questions:

a. What is the domain of the application? Describe it. The domain of an application refers to the area of knowledge your application resides in. For example, if I am making an application for a hospital, the domain would be something like healthcare/patient management/logistics (it would depend on what the application is trying to do).

The domain for our project will be career, employment, job seeking, and recruiting. Mainly we are going to focus on the job seeking side i.e., from the job seeker's perspective including the functions like applying for jobs, scheduling interviews, shortlisting jobs, and gathering information about the company i.e., where the company is located, and whether the mode of working is remote, hybrid, or in-person. Another side of the project is the ability of the recruiter to directly communicate with job seekers being directly linked with employers and pass any necessary information from employer to employee. The service is that of a mediator.

b. What aspects of the domain are modeled by the database? In answering this question, you will want to talk about what your project is trying to address and how it fits within the domain. It is likely that in the process of answering these questions you will bring up examples of a real-life situation that the application could be applied to.

It is always tedious to keep oneself informed of new job postings. A person might search for jobs on one website but it might not be the case that all job postings are filled on one website. Keeping track of which jobs a person has applied to is all the way more demanding. Our database will try to systematically resolve the burdensome tasks of users. The steps involved offer a holistic view of the application process. A user is able to look at and browse through all available jobs, save any of the jobs deemed suitable, and apply for any available jobs. Recruiters and employer places fill job listings. Each applied job gets created an application with a cover letter, resume, and notes. Companies schedule interviews for selected candidates. The companies have necessary information stored of them, helpful for job seekers when applying for jobs. An interview may be conducted offline or online as per needs. The ability to store data and read them when accessing efficiently and quickly is the forte of this database.

2. Database specifications: (3-5 sentences)

a. What functionality will the database provide?

The database will provide a user-friendly interface for the job seekers to search for employment opportunities, apply for jobs, and manage their applications.

Additionally, it supports direct communication between job seekers and recruiters, interview scheduling, and company information exchange. The database acts as a mediator, streamlining the job-seeking process and enhancing transparency in the career and employment domain.

3. Description of the application platform: (2-3 sentences)

Our project will be using the Oracle database as the database management system. Our expected application technology stack includes HTML and CSS as our frontend programming languages, and PHP as our backend programming language for our project.

4. An ER diagram for the database that your application will use.

