

CPSC 304 Project Cover Page

Milestone #: 1

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Group Number: 112

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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:

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 of the online job portal application is "Human Resources and Employment." This domain encompasses various aspects related to employment, job searching, recruitment, and career management. Specifically, the application focuses on connecting job seekers with potential employers, facilitating the search for job opportunities, and streamlining the job application process. It involves managing user profiles, job listings, applications, company information, and related activities within the context of the employment and hiring process in an accessible and organized manner.

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.

- The database for the job application tracker project plays a crucial role in addressing common issues when it comes to job hunting season. One of its core functions is to track and manage job applications submitted by individuals. This feature eliminates the need for users to manually keep records of their applications, providing a streamlined and organized approach to job hunting. Additionally, the database stores historical data related to job applications from previous job hunting seasons. This historical information empowers users to access their past application records, enabling them to track their progress and identify trends over time. Overall, the project's primary objective is to optimize the job hunting process. It accomplishes this by allowing users to automatically track jobs directly through the application capturing and storing specific user information. This approach eliminates the often monotonous and time-consuming task of manually filling out spreadsheets or managing scattered records, making job searching more efficient, user-friendly, and accessible.

Database Specification (3-5 sentences):

What functionality will the database provide? I.e., what kinds of things will people using the database be able to do.

- Users will be able to easily input data about a certain job application that would then directly be added into the database. The user will then have the option to view the database and see their overall progress. Users will be allowed to filter based on companies and also update individual applications based on the current status. Potentially implement an additional functionality of a cover letter assembler, which allows users to store preset paragraph chunks of their experience/skills and allow to put together a cover letter in seconds.

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

What database will your project use (department provided Oracle, MySQL, etc.)? See the “Project Platforms” section of this document for more information.

- We will be using Oracle for our database

What is your expected application technology stack (i.e., what programming languages and libraries do you want to use)? See the “Project Platforms” section of this document for more information. i. You can change/adjust your tech stack later as you learn more about how to get started for the project via latter tutorials.

- The backend will incorporate Python and the front-end will be constructed with React and potentially include Flask/Django for Restful API

ER Diagram:

An ER diagram for the database that your application will use. It is OK to hand-draw it but if it is illegible or messy or confusing, marks will be taken off. You can use software to draw your diagram (e.g., draw.io, GoogleDraw, Microsoft Visio, Powerpoint, Gliffy, etc.) The result should be a legible PDF or PNG document. Note that your ER diagram must use the conventions from the textbook and the lectures. For example, do not use crow’s feet notation or notation from other textbooks).

Please limit your diagram to a letter size page (8.5 x 11 inches). If you require additional space, talk to your project mentor beforehand as this might mean that your project is a bit more complicated than what we expect.

