

# CPSC 304 Project Cover Page

Milestone #: 3

Date: 28 October 2023

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 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.

1. 1. A brief (~2-3 sentences) summary of your project. Many of your TAs are managing multiple projects so this will help them remember details about your project.

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.

2. Timeline and task breakdown/assignment:

- Back-end (projected finish date: 15 Nov 2023):

Members Responsible: Abhinav Kansal, Divyansh Sharma, Kashish Joshipura

- SQL scripts to create tables of all entities and relations as per our milestone 2.
  - @Abhinav Kansal
- The steps we will take are :
- Carefully review our Entity-Relationship (ER) diagram to ensure it accurately represents our data model.
  - Address any feedback received and make necessary revisions to the ER diagram to reflect our project's requirements.
  - @Kashish Joshipura
- Create a detailed Relationship Schema for our project, outlining how the entities are related to each other.
  - This schema will serve as a crucial reference for designing the SQL tables and relationships.
  - @Divyansh Sharma
- Design SQL Tables and Relationships.
  - @Divyansh Sharma, @Kashish Joshipura

- Write SQL scripts to create the tables as per our database design.
  - @Abhinav Kansal
- We will develop the back-end functionality for managing user profiles.
  - @Kashish Joshipura
- Implement the back-end logic for managing job listings.
  - Develop functions for handling job applications and interviews
  - @Abhinav Kansal, @Divyansh Sharma
- There are 11 types of queries in total,
  - INSERT
    - Adding Jobs to Job List by Recruiters
  - DELETE
    - Deleting Jobs from Job List
  - UPDATE
    - Updating Job Application
  - SELECT
  - Selection ( $\sigma$ )
  - Projection ( $\pi$ )
  - Join
  - GROUP BY
  - HAVING
  - ORDER BY
  - Division
  - @Abhinav Kansal, @Divyansh Sharma, @Kashish Joshipura
- Front-end (projected finish date: 17 Nov 2023):

Members Responsible: Abhinav Kansal, Divyansh Sharma, Kashish Joshipura

- Using UI design principles create a basic database web app.
  - @Abhinav Kansal, @Divyansh Sharma, @Kashish Joshipura
- GUI is considered as the front-end.
- We will primarily use PHP.
- We will include all the queries options and output space/section that will show the results from the input query.
- Linking Back-end to Front-end (projected finish date: 23 Nov 2023):

Members Responsible: @Abhinav Kansal, @Divyansh Sharma, @Kashish Joshipura

- As per our projection, linking front-end to back-end will take time as we will have to operate different visual components to specific event listeners and ensure correctness.
  - We all will meet on zoom during late evenings and in-person when all are available. Each member is expected to work individually as well on the days we don't meet.
  - We will meet every second day to discuss progress, anything hindering our progress and help each other on the same.
  - We will try to follow a modified agile scrum approach where we meet regularly and push code to production every Monday and Friday. This may be changed as our project evolves.
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- PDF (projected finish date: 23 Nov 2023):
    - Short Description
      - @Divyansh Sharma
    - Description of Schema
      - @Kashish Joshipura
    - Copy of Schema and screenshots
      - @Abhinav Kansal
    - List of All SQL Queries
      - @Divyansh Sharma
    - Screenshots of Sample Output of the Queries
      - @Abhinav Kansal
    - README file and potential add-ons
      - @Kashish Joshipura
  - Timeline
    - Back-end:
      - 15 November 2023
    - Front-end:
      - 17 November 2023
    - Linking Back-end and Front-end:
      - 23 November 2023
    - PDF report for milestone 4:

- 25 November 2023

### Sample GUI

**Insert Job**  
Job ID\* -   
Company ID\* -   
User ID\* -   
Position -   
Requirements -   
  
*\*Required*

### RESULTS -

1	User ID	User Name	Password	Education
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				