

# CPSC 304 Project Cover Page

Milestone #: 3

Date: October 30, 2025

Group Number: 34

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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

# CommunityCare

## Summary

The intention of our project is to build a database which keeps track of the data for a NGO, this includes:

- Administrators can track campaigns and the projects they fund.
- Issue and reissue donation receipts for different purposes like reissuing, donation split or donations allocated to multiple campaigns.
- Monitor volunteer participation, including assignment to events and shifts.
- Manage office staff and supervisors.
- Track beneficiaries and link them to the projects or campaigns that help them.
- Allocate donations to multiple projects or campaigns as needed.
- Generate reports and analytics to show donation distribution, volunteer involvement, and project impact.

## Task Breakdown:

- We decided to evenly distribute the front-end and back-end work among all three of us so that everyone can gain experience and learn from both sides of the project, maximizing our learning opportunities.
- Each of us will implement at least two queries and demonstrate the results, and we will work together to add or improve front-end features.
- Our main focus will be on the Donation, Donor, Project, and CommunityMember entities to ensure our queries are meaningful for future milestones.
- We also set internal deadlines aligned with our tutorial sessions to receive feedback from the TA and make necessary revisions.

## Description of challenges:

- **Database Connectivity:** Establishing the connection between the backend and the Oracle database seems to be initially challenging.
- **Data Display and Query Execution:** Determining how to effectively retrieve, process, and display query results on the front end requires experimentation and troubleshooting.
- **User Interface Design:** Ensuring that the application is intuitive and user-friendly while maintaining functionality will add more challenges.
- **Team Collaboration:** Coordinating tasks, merging code changes, and maintaining consistency across different components requires careful communication and version control.

# Timeline



October 27 → November 3	November 4 → November 10 (week 1)
<ul style="list-style-type: none"> <li>Planning and milestone 3 deliverables</li> <li>Setting up the backbone of project</li> </ul>	<ul style="list-style-type: none"> <li>Setting up the backbone of project with basic HTML and Implementing</li> <li>ADD</li> <li>DELETE</li> <li>UPDATE</li> </ul>
November 11 → November 17 (Week 2)	November 18 → November 24 (Week 3)
Adding more GUI elements and do: <ul style="list-style-type: none"> <li>SELECTION</li> <li>PROJECTION</li> <li>JOIN</li> </ul>	Adding: <ul style="list-style-type: none"> <li>Aggregation with Group By</li> <li>Aggregation with Having</li> <li>Aggregation with Group By</li> <li>Division</li> </ul>
November 25 → November 28 (week 4)	
<ul style="list-style-type: none"> <li>Test and finalize the demo</li> <li>Make it look fancier! 🎉</li> </ul>	