**University of British Columbia, Vancouver**
Department of Computer Science

# CPSC 304 Project Cover Page

Milestone #: <u>1</u>

Date: <u>Sept 30, 2023</u>

Group Number: <u>30</u>

| Name | Student Number | CS Alias (Userid) | Preferred E-mail Address |
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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. **A completed cover page (template on Canvas):** [Cover Page Template](#)

2. **Project Description**
   Our project acts as a middleman between organizations in need of funding and willing contributors. The domain of our project lies within fundraising and particularly falls into the category of crowdfunding for different projects started or owned by organizations. Our database models organizations, contributors, projects, transaction management, project posts, account comments, and contributor rewards.

3. **Database specifications:**
   Two types of accounts exist within the platform: individuals and organizations. Organizations will be able to create a project that has specified payment tiers. Organizations can also create rewards (ex. Discount code or company swag) that can be added to payment tiers. Individuals will then be able to make donations to projects within any of its specified payment tiers.  Depending on the donation amount, they may receive reward(s) from the organization for donating to that specific project.

4. **Description of the application platform:**
   We will be using Oracle for the database and JavaScript for the main programming language. For the backend we will be using Node.js for the runtime, Express.js for the web framework, and OracleDB as a library to connect to and use the Oracle database.

5. **ER Diagram:** ([Link](#) OR see last page)

6. **Other comments, as appropriate, to explain your project.**
   Individuals will need to set up payment information before making any contributions. An individual can receive multiple rewards for the same donation. There are no restrictions on organizations making different payment tiers for the same project that overlap in price range. For example, If an individual makes a donation that falls under two payment tiers, they will receive all rewards that are linked to either payment tier. Accounts are uniquely identifiable by their email but they will also have a unique username.