University of British Columbia, Vancouver
Department of Computer Science

CPSC 304 Project Cover Page

Milestone #: 1

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Group Number: 72

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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

The application models a parcel storage and shipment domain. Customers can ship packages to a branch and pick them up at their own convenience, or drop off packages to be shipped out. The database will model the entire process of a customer creating an account with the company, therefore obtaining membership and accumulating points that provide tiered discounts for future storage, to branch management of parcels coming in and shipping out, and finally to the point of sale of charging customers for the service. It will include employee and branch data to record the employees that work at a specific branch, and which branches a single employee rotates shifts between.

Database Specifications

This is beneficial to the company due to the management of parcel-associated information and their relation to the appropriate customers. The database application will allow for maintaining customer information, identifying the intended recipient of a received parcel, tracking the status of a shipment, and recording payments for the services provided. This overall facilitates the flow of packages into and out of each branch, and employee sign-offs at multiple stages of a shipment or sale process allow for increased accountability.

Application Platform

The project will be a web-based application which will allow for customers to sign up and view account details. The tech stack used will include Typescript, Next.js, Node.js, MySQL.