

University of British Columbia, Vancouver

Department of Computer Science

CPSC 304 Project Cover Page

Milestone #: 1

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Group Number: 38

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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.**

Our application is a Post Office Management System, which would be under the domain of logistics. A Post Office Management System is designed to enhance the efficiency and reliability of mail delivery services by providing real-time tracking and monitoring capabilities for various types of mail items. The system serves as a comprehensive platform for postal workers, clients, and administrative staff to monitor the progress, location, and the value of mail shipment throughout the delivery process.

- **What aspects of the domain are modeled by the database?**

The database would keep track of the inflow and egress of mail through post office branches. The modeled entities are Mail, Branches, Employees, Addresses, Clients, MailBoxes, Payment, and Trucks.

Database Specifications

- **What functionality will the database provide? (3-5 sentences)**

The database will keep track of the mail and packages that come in and out of the post office, and it will also manage the operations surrounding the postal office. On the client side, the clients will be able to keep track of where their packages are along the process, and whether their mail has been paid for or not. As for the operations side, delivery drivers will know where to drop off packages, managers can keep track of the mail going through their post office branch, and employees can view their salary.

Application Platform (2-3 sentences)

- **What database will your project use?**

Our project will use the Oracle database.

- **What is your expected application technology stack?**

We will be using PHP for backend development and connectivity of an Oracle database as well SQL to manage and query data in our database. We will also use GitHub for collaboration.

ER Diagram

