

CPSC 304 Project Cover Page

Milestone #: 1

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Group Number: 93

Name	Student Number	CS Alias (Userid)	Preferred Email Address
Sabrina Lou	17539495	t1e8c	sabrinajwlou@gmail.com
Rohan Shukla	80120785	c7a8v	shuklarohan@live.com
Freddi Li	51907897	f5q5r	winnifredsl38@gmail.com

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 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

Our project is a public transportation system, used within the transportation management sector. It focuses on the operations, logistics, and staff management within a public transit system, based on the public transport available in the Metro Vancouver area. This includes managing routes, vehicles, stations and stops, drivers, riders, and fare payment.

The database models the key aspects of the public transportation system: personnel, passengers, routes, and the transportation services themselves. The system can work to help a city manage routes and stops, schedule drivers, and monitor passenger payments and activity.

Database Specifications

The database will allow people to manage and update bus routes and train lines, including their associated stops. It also allows people to manage and assign drivers to buses and trains on certain routes. Additionally, the system also has the capability of tracking rider information including fare payments and usage. It also maintains records of the existing vehicles.

Project Platform

Our project will use the department Oracle server with PHP and Javascript. We will also just Github for version control.

ER Diagram (next single page)

