

# CPSC 304 Project Cover Page

Milestone #: \_\_\_\_1\_\_\_\_

Date: \_\_07/18/2022\_\_

Group Number: \_\_\_\_15\_\_\_\_

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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

# Proposal

The domain that we're going to model is personal investment. That is, we're going to focus on the data that is stored about a user's personal investments in a portfolio management application.

We will focus on the investment portfolio of the user which will help them keep track of their investments. Every user has a name, date of birth and unique SIN (Social Insurance Number). Each user can have a single login account with our application. The login account can be accessed with an email id and password. The login account accesses the user's investment portfolio which can be identified using the user's SIN. The investment portfolio provides information about the user's net worth.

The portfolio will include the user's real estate investments and the different types of investment accounts (TFSA, RRSP, General). Every real estate investment will have a net value, buy price, address, and usage type (residential, commercial). The real estate properties could be managed by a real estate agent who can be identified using their ID. Every investment account can have money that is either invested in investment securities such as stocks and cryptocurrencies or is uninvested. The account is identified by its account number.

Every investment security has a monetary value, buy price, profit (buy price - monetary value), number of holdings and a symbol by which they are identified. Cryptocurrencies have a name. Stocks can be issued by a company and be traded in a stock market. The companies can belong to different industries, have different types (public, private) and be identified by their registered name. The stock market has a headquarters in a region where it provides a trading market for stocks and is identified by its symbol.

This project will be done using the CPSC department's Oracle database system, using PHP and Oracle. We do not anticipate using any special software or hardware.

