

CPSC 304 Project Cover Page

Milestone #: 1

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Group Number: 94

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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

This application is designed as an inventory tracking system for the commerce and retail domain. The main goal of the application is to track the status of each individual product and brand that might be carried by a company. Companies will be able to use this application to gain insights into each item/brand that is currently held in inventory, as well as their internal logistics. Given a specific item, users can view its brand and its exact location within the company's internal distribution network - for example, the item may be stored in a warehouse or storefront, or it may currently be in the process of being transported between two locations. The application also maintains records of the number of items being held in each location/in transport for every brand, e.g., given product line Foo from company Bar, view the number of items of that type being held in each warehouse or store or in transport between locations.

Database Specifications

This application provides a centralized location for storing, retrieving, manipulating, analyzing, and reporting structured data related to items being held in a company's inventory. The database will track each individual item in inventory, as well as the brands those items belong to. The location of each item will also be recorded - items are either stored in a physical location, which are divided into storefronts and warehouses, or in a package in a vehicle while being transported between two locations. For items that are in transit, the database records which package each item is in, which vehicles are carrying which packages, the destinations of those vehicles, as well as information about the vehicles' operators (whether they belong to the company or have been hired from an external contractor).

Application Platform

We have decided to use the provided department installation of Oracle. We will thus also be using Java for the back-end, and using JDBC to connect to the database. We will also build up a front-end web app for this application using HTML, CSS and JavaScript.

ER Diagram

