University of British Columbia, Vancouver
Department of Computer Science

CPSC 304 Project Cover Page

Milestone #: 1

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Group Number: 39

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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

CPSC Milestone 1

1. *A completed cover page*
2. *A brief project description answering these questions:*
   a. **What is the domain of the application? Describe it.**
      i. The domain of the application is a warehouse, focusing on the data about inventory storage of products and management inside a warehouse.
   b. **What aspects of the domain are modeled by the database?**
      i. The aspects of the domain being modeled are the stocks of products, the brand of products, the category of products, the consumers placing orders, and the employees processing, shipping and packing the orders.

3. *Database specifications: (3-5 sentences)*
   a. **What benefit does the database application provide to the company or organization?**
      i. The database application will benefit the company by storing information regarding the product and the relationships formed by the product, organizing relationships between the product's brand and category. By keeping track of these relationships, the company will be able to distinguish products by brand when searching and see if the found product is in stock. Thus, the company can easily keep track of customers orders and the location of the product ordered. Finally, the company can use the application to register orders and stock, ensuring efficient delivery to the customer.

   b. **What functionality will the database provide?**
      i. The functionality of the database will run mainly through the relationship between orders and employees. Orders will be created through queries of products in stock, and employees will have to find the product, package the product, and deliver the product. For example, in an employee perspective, employees will be able to conveniently find the location of the product through the category and product ID; this is due to the large aisles being sorted by categories. Whereas, from the order perspective, consumers that are deciding to place an order will conveniently be able to query the warehouse's inventory through a variety of options in brand, category, and product, receiving information about the existence/availability of the item in search.

4. *Description of the application platform: (2-3 sentences)*
   a. We will use the CPSC department's Oracle database system, using PHP as the application platform. We will also likely use HTML and CSS for the GUI.
5. ***An ER diagram for the database that your application will use.***