University of British Columbia, Vancouver
Department of Computer Science

CPSC 304 Project Cover Page

Milestone #: 1

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Group Number: 46

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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

Deliverables

All the following items must be put together into a **single** PDF file.

1. A completed cover page (template on Canvas)
2. A brief project description answering these questions:
    a. What is the domain of the application? Describe it.
    The domain of an application refers to the area of knowledge your application resides in. For example, if I am making an application for a hospital, the domain would be something like healthcare/patient management/logistics (it would depend on what the application is trying to do).
    b. What aspects of the domain are modeled by the database? In answering this question, you will want to talk about what your project is trying to address and how it fits within the domain. It is likely that in the process of answering these questions you will bring up examples of a real-life situation that the application could be applied to.

Our application's domain is **warehouse management** and **supply chain logistics**. It is designed to manage inventory in a warehouse, track stock availability, and maintain supplier relationships. It aims to facilitate the process of restocking products efficiently and ensure that inventory levels meet demand. Hence, the key aspect of our database model is to address the need for efficient product tracking, enabling warehouse managers to place orders with suppliers when stock levels fall below a certain threshold to maintain a product's availability without overstocking.

3. Database specifications: (3-5 sentences)
    a. What functionality will the database provide? I.e., what kinds of things will people using the database be able to do.

Our database will allow users (like business owners, warehouse managers or staff) to:

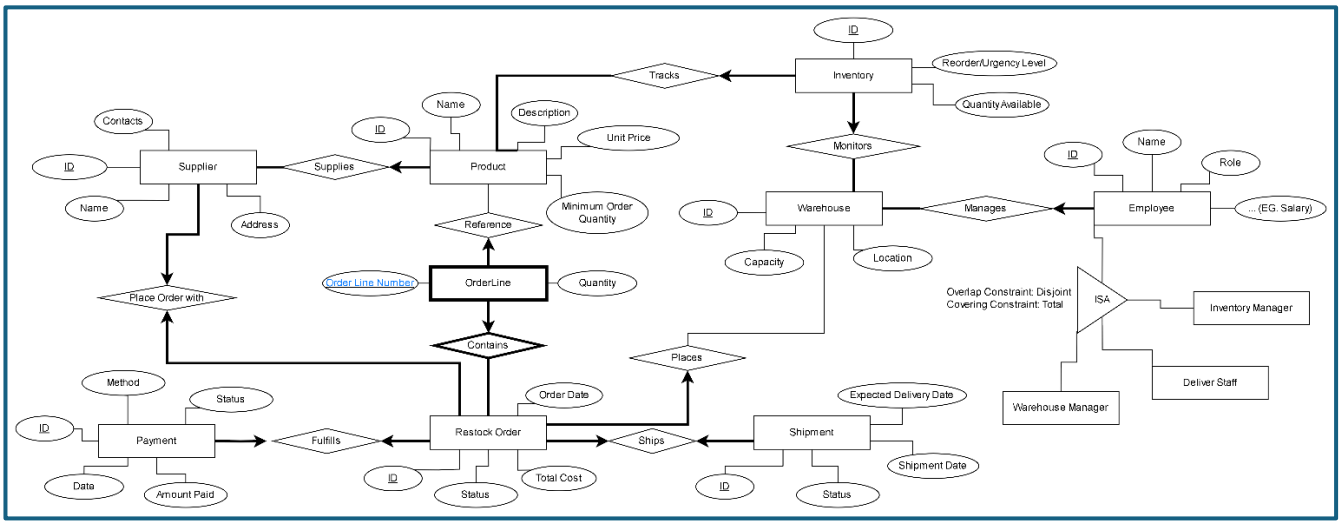
- Track inventory levels and determine when to restock.
- Manage relationships with suppliers, including placing orders.
- View product details and restock history.

The primary function revolves around maintaining accurate stock levels and providing users with the tools to make informed decisions regarding inventory restocking.

4. Description of the application platform: (2-3 sentences)
    a. What database will your project use (department provided Oracle, your own MySQL, etc.)?) See the "Project Platforms" section of this document for more information.
    b. What is your expected application technology stack (i.e., what programming languages and libraries do you want to use)? See the "Project Platforms" section of this document for more information.
        i. You can change/adjust your tech stack later as you learn more about how to get started for the project via latter tutorials.

Our project will use the department-provided **Oracle** database, and our application's technology stack will use **HTML/CSS** and **JavaScript**.

5. An ER diagram for the database that your application will use. It is OK to hand-draw it but if it is illegible or messy or confusing, marks will be taken off. You can use software to draw your diagram (e.g., draw.io, GoogleDraw, Microsoft Visio, Powerpoint, Gliffy, etc.) The result should be a **legible** PDF or PNG document. Note that your ER diagram must use the conventions from the textbook and the lectures. For example, **do not** use crow's feet notation or notation from other textbooks).



NOTE: the blue underlined text is a weak entity's partial key.