

## DATABASE DESIGN & DEVELOPMENT

### Spring Fall 2022\_2023

LAB #: 1

Date: 23/03/2023

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Design the database schema for an online store platform that offers a wide range of products. Each product is identified by a unique product ID and includes its information such as its name, description, price, and the product locations, where each location has a quantity of the product. Customers are identified by unique customer IDs and their personal information, including name, age, email, phone, and address.

Customers can place orders which are identified by unique order IDs and include relevant details such as the date of the order, the customer ID associated with the order, and the order's status (e.g., processing, shipped, delivered).

Shipping information is recorded for each order placed on the platform. Each shipping record has a unique shipping ID, order ID, shipping address, shipping status, shipping date, and the delivery date. Payment information for each order is also recorded. Each payment record has a unique payment ID, order ID, payment method, and payment status.

The required is to design the **schema** without drawing. And submitting the final schema on word/pdf file. The schema should clearly:

- Show primary keys and foreign keys.
- Mark weak entities
- You can submit all your work steps or the final schema only.