Comp214   
Advanced Database Concept  
Group Project   
E-commerce  
  
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**PROBLEM DOMAIN DESCRIPTION**

Our objective is to create a digital marketplace, providing customers with the capability to explore, search, and purchase a wide variety of products from different sellers. To achieve this, we will design and implement an SQL database containing core tables, such as Customers, Address, Product, Inventory, Order, OrderItem, and ProductReview. Emphasizing industry best practices, we will focus on data normalization to enhance storage efficiency and ensure data integrity. The ultimate goal is to develop a secure and user-friendly e-commerce platform, facilitating seamless interactions between buyers and sellers while offering valuable insights into database management and its significance in contemporary digital marketplaces.

**ER DIAGRAM**

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**FRONTEND SCREENSHOT**

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**ORACLE DATABASE SCREENSHOT**

PROCEDURE FOR SHIPPING STATUS

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**PROCEDURE FOR SHIPPING COST**

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**FUNCTIONS FOR CALCULATING PRODUCT REVENUE**

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**FUNCTIONS FOR MOST ORDERED PRODUCT**

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**TRIGGER FOR UPDATE ORDER STATUSA screenshot of a computer

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**A screenshot of a computer

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**TRIGGER TO UPDATE THE INVENTORYA screenshot of a computer

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**PACKAGE FOR PRODUCT STATUS**

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**FRONTEND SCREENSHOT**