

Instructional Scenario

Customer Orders Table



Course/Duty Area: Database Design and Management/Modifying and Managing Tables

Scenario:

Etchart, an online electronics retailer, has seen a significant increase in sales and needs to improve their database to handle customer orders more efficiently. They need to add a table to their database to store information about each customer order. The table should store the following information: order number, order date, customer, shipping address, billing address, total cost, payment status, shipping status, and notes about the order.

Big Question:

What coding is required to create a table in the Etchart database to track customer orders?

Focused Questions:

- Which data types are appropriate for the required fields?
- How is a default value coded?
- What is the proper syntax to add a table- or column-level constraint?
- How does one query the data dictionary to view information regarding constraints?

Student Project or Outcome:

- Properly code the CREATE TABLE statement in SQL.
- Use a database application such as MySQL or Oracle SQL to create the table.

Teacher Resources:

- [Database Design and Management](#), Udemy
- [The Ultimate MySQL Bootcamp](#), Udemy
- [Database Design - 2nd Edition](#), Adrienne Watt, Open Textbook Library
- [Principles of Database Management: The Practical Guide to Storing, Managing and Analyzing Big and Small Data](#), Wilfried Lemahieu, Seppe Vanden Broucke, and Bart Baesens

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