

## Database Comprehensive Examination

Welcome to the Database (Access) Final. During this class, you were expected to master the following concepts:

- Create tables, forms, reports, macros, and queries utilizing Microsoft Access
- Create database files, and manage user information
- Input and manage data
- Normalizing and enforcing relational integrity of a database

Create a database for the following computer store including all help desk information, so that a local

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1. Create a customer table to track the following:
  - a. Mailing and telecommunication information
  - b. Date enrolled
  - c. Customer status (active, suspended, etc)
  
2. Create a transaction table to track the following:
  - a. Item purchased
  - b. Date purchased
  - c. Customer purchase number
  - d. Method of payment
  - e. Check number
  - f. Credit card number
  - g. Credit card expiration date
  - h. Shipping method
  - i. Shipping cost
  - j. Date shipped
  - k. Date received
  
3. Computer Software and Hardware Inventory
  - a. Item number
  - b. Description
  - c. Quantity
  - d. Price
  - e. Manufacturer
  - f. Manufacturer number
  - g. Bin Location
  - h. Vendor Shipping Information
  - i. Minimum stocking level

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4. Create forms to input information efficiently using a multiform when possible.
5. Create a relationship for these tables
  - a. Transaction (computing selling price, tax)
  - b. Create parameter (lookup) queries to locate product
6. Create end of month reports for the following:
  - a. Total sales
  - b. On the shelf inventory
  - c. Restocking list
  - d. Shipping list
7. Create a master switchboard
  - a. Include looks at read only customer tables
  - b. Include all reports and forms