CSCI3030U Data Modeling Workshop

Announcements

Midterm on 15th (Data Modeling) and 28th of Feb (Applications)!

BRING YOUR LAPTOP TO BOTH MIDTERMS

See topics on Blackboard.

Create E/R diagram of the car dealership database with Toad Data Modeler

Car dealership database should contain following information:

- Each car's sell should contain (mandatory):
    - ✓ Manufacturer (name e.g. Ford, Toyota, other details)
    - ✓ Car model (model name e.g., Corolla, safety rating, fuel consumption etc)
    - ✓ Vehicle category (category, e.g., SUV, description of the category)
    - ✓ Customer who bought a car. Car is identified by VIN number. Customer is identified by SIN.
    - ✓ Price for which vehicle was sold
- Information about Customer: name, cell phone, email address, address, other customer details (e.g., yes/no flag: male/female). Email address can be not given by the customer.
- Address should contain city, postal code, street, street number, apt number.
- Each customer in the system did not necessary buy a car (can be for instance only on mailing list.)
- Customer has to have an address and can live in multiple addresses.
- Try to keep the database schema simple (not too many tables) but correct!

More Practice

Design movie rental company, video games store, university database, sales of Walmart database etc. as a preperation for design modeling part of the midterm.