

**Introduction to Databases (X-409.1)**  
**Assignment 8 (Due by Class Meeting 10)**

- Recommend cursor processing options (SENSITIVE/INSENSITIVE, SCROLL/NO SCROLL, WITH HOLD/WITHOUT HOLD, FOR UPDATE) for the following database applications:
  - Online application for searching movie reviews
  - Online shopping application (searching products, adding them to an electronic shopping card, and then checking out).
  - Web-based application for maintenance of a company's product database
  - Application to maintain your personal music and playlist library
  
- Describe how you would handle transactions and locking for an online banking application.
  
- State whether you would recommend XML or JSON for the following data structures, along with your reasons:
  - Employment history that can be transmitted to potential employers
  - Storage of application metadata that describes how reports and charts are laid out on a web page
  - The list of music contained in your personal music library