

# ECS 165B: Database System Implementation

## Lecture 16

UC Davis  
May 2, 2011

# Class Agenda

- Last time:
  - XPath, XQuery, XSLT (cont'd)
- Today:
  - finish with XPath, XQuery, XSLT
  - Quiz review
- Reading
  - Chapters 11-12

# Announcements

- Thanks for all your hard work on Part 2! You guys are awesome. We're almost over the hump...
- Project Part 3 will be out Friday, due Sunday 5/15 @11:59pm
  - not trivial, but definitely easier than Parts 1 and 2
- Quiz #1 in class on Wednesday

# Quiz #1 Overview

# What's the Quiz Going to be Like?

- 30 minute, short answer and multiple choice
- 10% of final grade
- Mix of project-related questions and questions about other lecture material
- If you spend a few hours going over the slides through today's lecture, you should be fine
  - use textbook as reference for clarifications about lecture material
- Don't stress 😊

# Quiz Topics

- Serialization and memory management in C++
- Buffer and file management, and implementation in Part 1
- B+ tree indexes, and implementation in Part 2
- Database theory (light questions)
  - Relational calculus and first-order logic
  - Containment, equivalence, and minimization of conjunctive queries
- XML and semistructured data (light questions)
  - Schemas: DTDs and XML Schema
  - Queries: XPath, XQuery, XSLT