



# Last Few Things

- Final project deliverables (simple stuff) due by next Thursday (email or hard copy).
- Please fill out group/self evaluations. Get those back to me by next Thursday as well (but sooner is better).

# Final Exam

- Tuesday, April 29, 5:30 PM
- Here (Rhodes Tower 410)
- One 8.5 x 11 sheet of notes, front and back.
  - Typed or hand-written. No magnifying glasses.
- Will cover all topics roughly proportionally to the amount of time spent on them in class.
- All homework solutions will be posted on Moodle soon.

# Final exam topics

- The relational model; relational algebra
- SQL
- E/R diagrams
- (No PHP)
- Functional & multivalued dependencies
- BCNF, 3NF, 4NF
- Indexes
- Query optimization
- Transactions
- XML

Hint: Keys to the game:  
Know what a topic is,  
what it's good for, what  
it's bad for, how to use  
it, and how it relates to  
other topics.

# Victory Lap

A victory lap is an  
extra trip  
around the track

- By the exhausted victors (us) 😊

Review course goals

- See if we met them



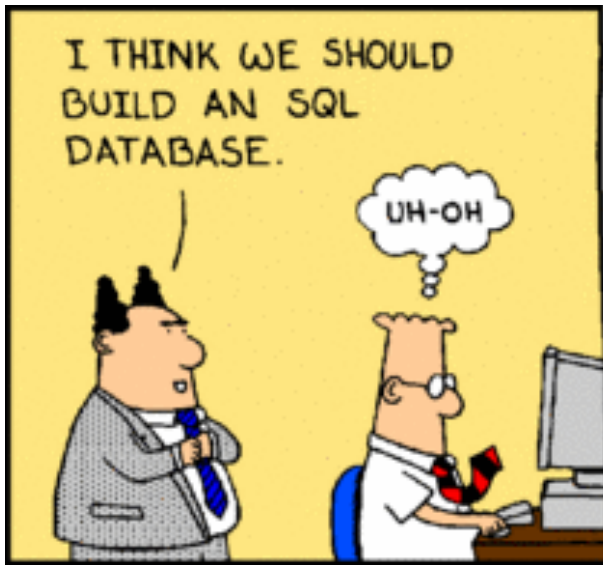
# Thank you!

- You all made this a great class
  - Great attitude about learning DB topics
  - (Mostly) good class attendance and questions
  - Occasionally laughed at stuff 😊

# Thank you!

- My first time teaching this course.
- Feedback is appreciated on projects, tests, and their respective difficulty (too hard, too easy, just right?)

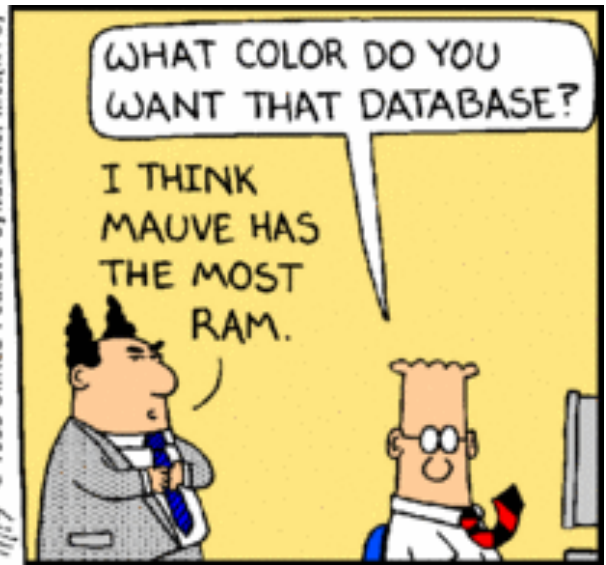




S. Adams E-mail: SCOTTADAMS@AOL.COM



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# What will you learn? *(from lecture 1)*

- Database design
  - How do you model your data so it can be stored in a database?
- Database programming
  - How do I use a database to ask it questions?
- Database implementation
  - How does the database itself work; i.e., how does it store, find, and retrieve data efficiently?

# Project debriefing

- Project goals
  - Do something cool with databases.
  - Learn to work in a team.
  - *Learn self-sufficiency.*



# What's next?

- Graduate-level database courses:
  - Focus more on other database models and database implementation.
- Real world
  - Probably relational modeling and SQL will be most useful to you.
  - Consider learning stuff that employers might want: AWS (cloud DB), NoSQL, JSON, Oracle, Hadoop

# Stay In Touch

- Tell me when this class helps you out with something cool (seriously).
- Ask me questions (may not always know the answer, but I can tell you where to find it).
- Don't be a stranger: let me know how the rest of your time at Rhodes (and beyond!) goes... I really do like to know.

*That's all Folks!*