

# Today's class

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# Agenda

- Self-check on logical models
- Review Chapter 5 topics
- Demo of Toad Data Modeler

# Self-check on Logical Models

- True/False questions
  - A logical model is database-specific
  - A logical model may include subtypes
  - A logical model has no M:N relationships displayed
  - Logical models are always drawn with modeling software
- How does a logical model differ from conceptual model?
- How many entities may appear on a logical model?

# Self-check on Logical Models

- True/False questions
  - A logical model is database-specific: F
  - A logical model may include subtypes: T
  - A logical model has no M:N rels. Displayed: F
  - Logical models are always drawn with modeling software: F
- How does a logical model differ from conceptual model? <Discuss>
- How many entities...? As many as necessary and as few as possible (cf Occam's Razor)

# Next

- Chapter 5

# Installing TDM

- [www.toadworld.com](http://www.toadworld.com)
- On the right, find Toad Academic Program
- Back to the center, select Learn more...
- On the right select Register Now with your boisestate.edu email address (the email address automatically qualifies you as a student.)
- The installation should be straightforward
- There are numerous videos on how to get started, or ask a fellow student

# Reminder

- You do not have to use TDM!
- You may use any other tool to draw models
- You may also draw them by hand –but your handwriting had better be more legible than mine!

# Alternatives

- An enthusiastic recommendation for another tool: <http://kentgraziano.com/2012/02/20/the-best-free-data-modeling-tool-ever/>
- Google also offers Lucid:  
<https://www.google.com/enterprise/marketplace/viewListing?productListingId=4179+16050908505450606803&pli=1>



# Demo

# Monday's agenda

with Andrew Gable

- Review last assignment solutions
- Review relational algebra solutions to queries 4 and 9
- Explain next assignment for undergrads
- Explain next assignment for grads

# One more thing...

- Best of luck to those of you participating in this weekend's appathon!