

# CS 327E Final Class

December 5, 2016

# The Final: Logistics

- Date: Monday, December 12, 2016
- Time: 7:00pm - 10:00pm
- Where: UTC 4.132
- Closed book exam
- No computers, no phones, no cheat sheet :(

# The Final: Content

- 2 Parts:
  1. Data modeling
  2. SQL
- Mostly “free form” questions
- A few fill-in-the-blank questions
- No multiple choice, no True/False

# General Advice

- Some problems will require thinking:
  - Use judgment
- Problem difficulty may be uneven:
  - Do the easy ones first

# Data Modeling

- Entities, attributes
- Relationships
- Subtypes and supertypes
- Translation to relations
- SQL DDL:
  - Creating tables
  - Constraints
- Normal forms (1NF – 3NF)

# SQL

- create table
- insert, update, delete
- select-from-where
- order-by and limit
- joins
- renamings
- group-by and having
- aggregations
- views

# Practice Exam