Lesson 15: Data Modeling

CS 393: Database Systems

# Lesson Overview

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| **Topic** | **Timing** | **Key Ideas** |
| Review | ~5 minutes | Cover use cases and how they might relate to the data models that they’ve seen so far |
| Data Modeling | ~25 minutes | Work through the modeling steps in DS 16.3 |
| Data Modeling ICE | ~25 minutes | Students read situations and convert them to a conceptual model |
| Bad Examples | ~15 minutes | Show some bad examples and have students determine which criteria they violate |
| Wrap-up | ~5 minutes | Discuss Fan Traps and Chasm Traps |

## Required Readings

* DS 10.6, 16.3, 17.1

## Supplementary Reading

* Review DS 12.1 – 12.3, 12.5, 12.6

# Lesson Objectives & Assessment

* Create a *conceptual* data model by applying database design techniques

# Lesson Plan

## Timeline

## Comments