# Overview of Week 8

| # | Date | Lectures | iPad Notes | Study Materials |
|---|------|----------|------------|-----------------|
| 8 | WED, Nov 4 to TUE, Nov 10 | ▶️ **Playlist for Week 8** (≈ 3 hours)<br><br>• Lecture 8 - Introduction and Overview of Week 8<br><br>• Lecture 8a - Part 1: General Book - Storage vs. Retrieval<br><br>• Lecture 8a - Part 2: Generic Book - Storage vs. Retrieval<br><br>• Lecture 8b - Part 3: Motivating Problem - Interactive Systems<br><br>• Lecture 8b - Part 4: Design Attempt 1 - Assembly Style<br><br>• Lecture 8b - Part 5: Design Attempt 2 - Hierarchical, Procedural Style<br><br>• Lecture 8b - Part 6: Design Attempt 2 - Criticisms<br><br>• Lecture 8b - Part 7: State and Template Design Patterns - Supplier<br><br>• Lecture 8b - Part 8: State and Template Design Patterns - Client | 📒 INTRO<br><br>📒 PRE<br><br>📒 POST | • Slides<br>　▪ Lecture 8a: Generics<br>　▪ Lecture 8a: Generics [4up]<br>　▪ Lecture 8b: State Design Pattern<br>　▪ Lecture 8b: State Design Pattern [4up]<br>• Diagrams<br>　▪ Design Diagram: State Pattern<br>　▪ State Pattern at Runtime<br>• Questions?<br>　▪ Post Your Questions in this Document.<br>• Source Code<br>　▪ State Design Pattern |

# Learning Objectives of Week 8

- Revisiting Generics (polymorphism, type casting, SCP)
- Interactive Systems
- Design Attempt 1: Assembly Style
- Design Attempt 2: Hierarchical, Procedural Style
- State and Template Design Patterns

# Milestones of Week 8

- Complete Lab3 ASAP
- Start on Project
- Complete Quiz7
- Start Lecture Series W8