

## Component-Based Architecture

### Objectives



After completing the assigned readings and exercises, you should understand:

1. What components are and why they are useful
2. How components can be organized in a 3-tier design
3. How to create and utilize components for each tier

### Readings/Materials (to be read BEFORE class)

- MacDonald Chapter 22, pages 699-723 (we will implement a component-based design in a slightly different manner than that shown in the book, but the concepts presented are the same)

### Assignment(s)

- Complete the code repository exercises associated with this module
  - [Instructions](#)  
  - [Starting Files](#)
- Complete readings for next class period (see course calendar)