

## **Principles: Abstracting External Dependencies**

## **Patterns: Data Access Objects, Data Transfer Objects**

### **Out of class learning activities**

- Read:

- Read the following brief tutorial for the Data Access Objects pattern:

- [Data Access Object Pattern Tutorial](#)

- In Safari Books Online, in the [Agile Principles, Patterns, and Practices in C#](#) book, read only the section titled [“Databases, Middleware, and Other Third-Party Interfaces”](#) in this chapter: [34. PROXY and GATEWAY: Managing Third-Party APIs](#)

