ADO.NET

Objectives

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

1. What ADO.NET is
2. How Web applications interact with relational database management systems
3. How to create and configure a Microsoft SQL Server Express database using Visual Studio
4. Basics of SQL statements
5. The function of ADO.NET data provider classes, including
    1. SqlConnection
    2. SqlCommand
    3. SqlDataReader
    4. SqlDataAdapter
6. The function of ADO.NET disconnected data classes, including
    1. DataSet
    2. DataTable
7. How and why to use parameterized SQL commands
8. Different options for using the data provider and disconnected data classes to retrieve and modify data in a Web application

Readings/Materials (to be read BEFORE class)

- MacDonald Chapter 14

Assignment(s)

- Complete the code repository exercises associated with this module
    - **Instructions** 📄 ↗
    - **Starting Files** ↗
- Complete readings for next class period (see course calendar)