

ASP.NET Core 3 Homework 06

Chapter 06, Pro ASP.NET Core 3

1 Readings

Read chapter 06, in the *Pro ASP.NET Core 3* book.

2 Class Discussion Questions

Your written homework is due as directed. Format your homework in Markdown. Be prepared to discuss each of the following questions in class.

3 Homework Questions

1. What is *unit testing* as defined by the book?
2. What is the convention for creating unit tests in ASP.NET Core applications?
3. Name three unit test project tools used for ASP.NET Core applications.
4. What is the convention for naming unit tests in ASP.NET Core applications?
5. What is the convention for naming the test classes in AP.NET Core? What is the convention for naming the methods in the test classes?
6. What is the purpose of the **Fact** attribute in Xunit? (not in book) What is the purpose of the **Theory** attribute in Xunit?
7. Describe the different elements of the AAA testing pattern.
8. Describe the use of the methods in the *Assert* class. Describe the purpose, parameters, and return value of the *Assert.Equals()* method.
9. What is the key to isolating a component for testing?
10. What is a *mocking package*? What does it do?
11. (not in book) What is the difference between the *Setup()* and the *SetupGet()* methods of Moq?