

ASP.NET Programming Homework 07

Chapter 07, Pro ASP.NET Core MVC 2

Homework

Readings

Read chapter 07, in the *Pro ASP.NET Core MVC 2* book.

Discussion Questions

1. There are many kinds of tests, including Unit Tests. What is a unit test, and what does it enable you to do?
2. What is the primary benefit of using unit tests?
3. What is the purpose of using method `GetHashCode()` when using `Assert.Equal()`?
4. The book states: “[T]he chain of dependencies can make it difficult to understand what causes a test to fail.” Why is this statement true?
5. How do unit tests isolate small parts of an application?
6. According to the book, what is the key to isolating components?
7. Briefly discuss the nature and purpose of a *fake implementation* of a class. What does a fake implementation do that a real implementation cannot do?
8. What is *test driven development*? What is the development cycle for test driven development? This is not in the book.
9. What are *parameterized tests* and why would we want to use them?
10. What is a *mocking framework*? What is the difference between a fake object and a mock object?
11. (Optional) Can you think of one very important drawback to writing unit tests?