

Homework Chapter 03, ISTA-322

ISTA-322, ASP.NET MVC

Readings

Read chapter 3, pages 51 – 66 in the *Pro ASP.NET MVC 5* book.

Discussion Questions

Answer the discussion questions in writing for chapter 3.

1. The book states, “Interactions with an MVC application follow a natural cycle of user actions and view updates, where the view is assumed to be stateless.” What does it mean for the view to be *stateless*?
2. The book identifies two kinds of *models*. Briefly describe each of them.
3. Give an example of *separation of concerns* from your own life experience. This should be a simple, everyday example.
4. What is a *view engine*?
5. The book notes that the three-tier structure, or *n-tier* model, is “the most widely used pattern for business applications.” Why do you think that this is true? An answer like, “Because it works well,” is not a sufficient answer to this question.
6. This question requires some outside research. When we study UWP, you will see that the UWP design pattern is the *Model-View-ViewModel* (MVVM). What is the difference between MVC and MVVM that makes the first good for ASP.NET MVC and the second good for UWP?
7. Describe the two parts of the *dependency injection* (DI) design pattern.
8. Give an example of *loose coupling* from your own life experience. This should be a simple, everyday example.
9. What are the two types of testing discussed in the book?
10. What are the seven steps of the *test driven development* (TDD) workflow, as stated in the book?