ASP.NET MVC Core 2 Homework 02

Chapter 02, Pro ASP.NET Core MVC 2

Homework

Readings

Read chapter 02, in the *Pro ASP.NET Core MVC 2* book.

Discussion Questions

Be prepared to discuss each of the following questions is class.

Written Deliverable

Your written homework is due the Monday following our class discussion *unless otherwise directed*. Format your homework in MarkDown. Copy your written homework to your clipboard and paste it into the text input box in Canvas for this assignment. Add and commit it to your local git repository, and push the homework up to your Github repository.

Homework Questions

1. What application server does Visual Studio use to run ASP.NET Core MVC applications? What is its name? Give a brief description.

2. What is the purpose of a *controller* in ASP.NET Core MVC ?

3. What is an *action method*? What does it do?

4. We will discuss routes in great detail throughout this course. For now, briefly describe what a *route* is and what it does.

5. What is a *view*? What does it do?

6. What does a *Razor expression* look like? In other words, how do you write a Razor expression?

7. What is a *View Bag*? What does it do?

8. The starting point for every application is to gather the requirements for the application. The requirements for *PartyInvites* are:

   - A home page that shows information about the party
   - A form that can be used to RSVP
   - Validation for the RSVP form, which will display a thank-you page
   - A summary page that shows who is coming to the party

   Explain briefly in your own words why these requirements are important. Would your application work if it did not have any of these requirements? Can you think of any additional requirements for the application.

9. According to the book, what is the most important part of the application? Why do you think that it's important?

10. What is the purpose of a *strongly typed view*? How do you create a strongly typed view?

11. What is the difference between HTTP GET and HTTP POST?

12. We will discuss *model binding* in much greater detail. For now, briefly describe the purpose of model binding.

13. What is the purpose of validating user input? Why do we do validate user input?