

ASP.NET MVC, Term 2

Professional ASP.NET MVC 5, Chapter 8

October 22, 2017

1. Examine the following code. Then explain what this code does, line by line.

```
$(function () {  
    $("#album-list img").mouseover(function () {  
        $(this).animate({ height: '+=25', width: '+=25' }).animate({ height: '-=25', width: '-=25' });  
    });  
});
```

2. Write the jQuery code that selects all the hyperlinks in the menu block level element (`id=menu`) that are descendants of the menu division. Write the jQuery code that selects all the hyperlinks in the menu block level element (`id=menu`) that are children of the menu division. What is the difference between the two?
3. Describe the Document Object Model (DOM).
4. How do you write *Unobtrusive JavaScript*? Describe the process.
5. How do you add a script reference to a web application in ASP.NET? How do you add a script bundle to a web application in ASP.NET? What is the difference between the two?
6. If you write your own custom JavaScript, where in the application directory structure might you place it?
7. What is the main purpose of using AJAX in web applications? Explain why you would want to do so.
8. What are *data-dash* attributes? Why do we use them? Do web browsers render them? Why or why not?
9. How do you activate client side jQuery validation? How do you activate server side validation with ASP.NET?
10. You have an 11 character product model code that consists of four upper case alphabetical characters, four digits, and three upper case alphabetical characters. An example would be ABCD4567XYZ. Write a custom validation method to validate user input as to your model code.