

## Week 9 Lab 2

### Practice 1: Creating an action and view

1. Create a new MVC project in Visual Studio
2. Create a new controller. Call it what you want. (If you can't think of anything, just called Mortgage.)
3. Create an action in that controller (in other words a method) called MyPage. That Mypage method will store two things in ViewData:  
    ViewData["FirstName"] = "whatever you like"  
    ViewData["LastName"] = "whatever you like"
4. Add a view to that action. (Right-click on the method name, click Add View, and choose the non-empty view).
5. Inside that view, add some HTML, whatever you want, maybe an h1 or something. And display the first name and last name using @ViewData["FirstName"] etc.
6. Open the "page" in the browser. (In other words, go to the URL for your controller/action and make sure the page loads in the browser.)

### Practice 2: Add a form

7. Think of the two actions you need for a form.
8. Create the first one, which displays the form.
9. Add a view to that action, and in that view, put together an HTML form. Remember to include the method="post" part and the action="controller/action". Also remember to name each input box. And remember the submit button.
10. For the second action, receive the data from the form as separate strings.
11. Save those strings in the ViewData.
12. Add a view, and display those strings from the ViewData.
13. Test out the form in the browser.

### Practice 3: Add a class and a form that uses it

14. Create a new class (in the Models folder) and give it a name, whatever you like. Give it two or three fields. Remember they must be properties like so:  
    public string FirstName { get; set; }
15. Add a using statement in your controller that matches the namespace on your class.
16. Repeat the "Practice 2" part but instead receive an instance of your class instead of individual strings.
17. Pass that instance into the View() call. This will send it into the model.
18. Add a view to the method. Inside the view, add a line at the top that specifies the type of the model:  
    @model Customer
19. Display in the view the fields in the model instance.
20. Test it out in the browser.

