**SpringBoot\_Handle Add Edit Post Form In Spring Boot**

**Content Sample**

A controller exposes controller actions. An action is a method on a controller that gets called when you enter a particular URL in your browser address bar. For example, imagine that you make a request for the following URL:

http://localhost/Product/Index/3

In this case, the Index() method is called on the ProductController class. The Index() method is an example of a controller action.

A controller action must be a public method of a controller class. C# methods, by default, are private methods. Realize that any public method that you add to a controller class is exposed as a controller action automatically (You must be careful about this since a controller action can be invoked by anyone in the universe simply by typing the right URL into a browser address bar).

There are some additional requirements that must be satisfied by a controller action. A method used as a controller action cannot be overloaded. Furthermore, a controller action cannot be a static method. Other than that, you can use just about any method as a controller action.

**Understanding Action Results**

A controller action returns something called an *action result*. An action result is what a controller action returns in response to a browser request.

The ASP.NET MVC framework supports several types of action results including:

1. ViewResult - Represents HTML and markup.
2. EmptyResult - Represents no result.
3. RedirectResult - Represents a redirection to a new URL.
4. JsonResult - Represents a JavaScript Object Notation result that can be used in an AJAX application.
5. JavaScriptResult - Represents a JavaScript script.
6. ContentResult - Represents a text result.
7. FileContentResult - Represents a downloadable file (with the binary content).
8. FilePathResult - Represents a downloadable file (with a path).
9. FileStreamResult - Represents a downloadable file (with a file stream).

All of these action results inherit from the base ActionResult class.

In most cases, a controller action returns a ViewResult. For example, the Index controller action in Listing 2 returns a ViewResult.

**Listing 2 - Controllers\BookController.cs**