ActionResult Class

Represents the result of an action method.

Namespace: System.Web.Mvc
Assembly: System.Web.Mvc (in System.Web.Mvc.dll)

Inheritance Hierarchy

System.Object
  System.Web.Mvc.ActionResult
    System.Web.Mvc.ContentResult
    System.Web.Mvc.EmptyResult
    System.Web.Mvc.FileResult
    System.Web.Mvc.HttpStatusCodeResult
    System.Web.Mvc.JavaScriptResult
    System.Web.Mvc.JsonResult
    System.Web.Mvc.RedirectResult
    System.Web.Mvc.RedirectToRouteResult
    System.Web.Mvc.ViewResultBase

Syntax

C#

```
public abstract class ActionResult
```

Constructors

	Name	Description
	ActionResult()	Initializes a new instance of the ActionResult class.

Methods

	Name	Description

	Equals(Object)	(Inherited from Object.)
	ExecuteResult (ControllerContext)	Enables processing of the result of an action method by a custom type that inherits from the ActionResult class.
	Finalize()	(Inherited from Object.)
	GetHashCode()	(Inherited from Object.)
	GetType()	(Inherited from Object.)
	MemberwiseClone()	(Inherited from Object.)
	ToString()	(Inherited from Object.)

Remarks

Action methods typically return a result that is known as an action result. The ActionResult class is the base class for all action results. You decide which type of action result to return based on the task that the action method is performing.

A common action result is obtained by calling the View method, which returns an instance of the ViewResult class. The ViewResult derives from ActionResult. In that case, the return type of the action method is ActionResult, but an instance of the ViewResult class is returned, as shown below.

```csharp
public ActionResult Index()
{
    return View();
}
```

It is helpful to set the return type to ActionResult because in more complicated action methods, you may need to return different types of results for different scenarios. For example, the registration action method from the default MVC template, redirects the users if registration is successful, but displays the error messages if registration fails.

```csharp
[HttpPost]
[AllowAnonymous]
[ValidateAntiForgeryToken]
public async Task<ActionResult> Register(RegisterViewModel model)
{
    if (ModelState.IsValid)
    {
        var user = new ApplicationUser() { UserName = model.UserName };
        var result = await UserManager.CreateAsync(user, model.Password);
        if (result.Succeeded)
        {
            await SignInAsync(user, isPersistent: false);
            return RedirectToAction("Index", "Home");
        }
```

```
        else
        {
            AddErrors(result);
        }
    }

    // If we got this far, something failed, redisplay form
    return View(model);
}
```

You can create action methods that return an object of any type, such as a string, an integer, or a Boolean value. These return types are wrapped in an appropriate ActionResult type before they are rendered to the response stream.

The following table shows the built-in action result types and the action helper methods that return them.

Action Result	Helper Method	Description
ViewResult	View	Renders a view as a Web page.
PartialViewResult	PartialView	Renders a partial view, which defines a section of a view that can be rendered inside another view.
RedirectResult	Redirect	Redirects to another action method by using its URL.
RedirectToRouteResult	RedirectToAction or RedirectToRoute	Redirects to another action method.
ContentResult	Content	Returns a user-defined content type.
JsonResult	Json	Returns a serialized JSON object.
JavaScriptResult	JavaScript	Returns a script that can be executed on the client.
HttpStatusCodeResult	(None)	Returns a specific HTTP response code and description.
HttpUnauthorizedResult	(None)	Returns the result of an unauthorized HTTP request.
HttpNotFoundResult	HttpNotFound	Indicates the requested resource was not found.
FileResult	File	Returns binary output to write to the response.
FileContentResult	Controller.File(Byte[], String) or Controller.File (Byte[], String, String)	Sends the contents of a binary file to the response.
FilePathResult	Controller.File(String, String) or Controller.File (String, String, String)	Sends the contents of a file to the response.
FileStreamResult	Controller.File(Stream, String) or Controller.File (Stream, String, String)	Sends binary content to the response through a stream.
EmptyResult	(None)	Represents a return value that is used if the action method must return a **null** result (void).

Thread Safety

Any public static (**Shared** in Visual Basic) members of this type are thread safe. Any instance members are not guaranteed to be thread safe.

See Also

System.Web.Mvc Namespace

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