

PageModel Class

Namespace: [Microsoft.AspNetCore.Mvc.RazorPages](#)

Assembly: Microsoft.AspNetCore.Mvc.RazorPages.dll

Abstract class representing a Page

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C#

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```
[Microsoft.AspNetCore.Mvc.RazorPages.Infrastructure.PageModel]  
public abstract class PageModel : Microsoft.AspNetCore.Mvc.Filters.IAsyncPageFilter,  
Microsoft.AspNetCore.Mvc.Filters.IFilterMetadata, Microsoft.AspNetCore.Mvc.Filters.IPageFilter
```

Inheritance [Object](#) → [PageModel](#)

Derived [Microsoft.AspNetCore.Identity.UI.Pages.ErrorModel](#)

Attributes [PageModelAttribute](#)

Implements [IAsyncPageFilter](#) , [IFilterMetadata](#) , [IPageFilter](#)

Constructors

[PageModel\(\)](#)

Properties

[HttpContext](#)

Gets the [HttpContext](#).

[MetadataProvider](#)

Gets or sets the [IModelMetadataProvider](#).

[ModelState](#)

Gets the [ModelStateDictionary](#).

[PageContext](#)

Gets the [PageContext](#).

[Request](#)

Gets the [HttpRequest](#).

[Response](#)

Gets the [HttpResponse](#).

[RouteData](#)

Gets the [RouteData](#) for the executing action.

[TempData](#)

Gets or sets [ITempDataDictionary](#) used by [PageResult](#).

[Url](#)

Gets or sets the [IUrlHelper](#).

[User](#)

Gets the [ClaimsPrincipal](#) for user associated with the executing action.

[ViewData](#)

Gets the [ViewDataDictionary](#).

Methods

BadRequest()	Creates a BadRequestResult that produces a Status400BadRequest response.
BadRequest(ModelStateDictionary)	Creates a BadRequestObjectResult that produces a Status400BadRequest response.
BadRequest(Object)	Creates a BadRequestObjectResult that produces a Status400BadRequest response.
Challenge()	Creates a ChallengeResult .
Challenge(AuthenticationProperties)	Creates a ChallengeResult with the specified <code>properties</code> .
Challenge(AuthenticationProperties, String[])	Creates a ChallengeResult with the specified authentication schemes and <code>properties</code> .
Challenge(String[])	Creates a ChallengeResult with the specified authentication schemes.
Content(String)	Creates a ContentResult object with Status200OK by specifying a <code>content</code> string.
Content(String, MediaTypeHeaderValue)	Creates a ContentResult object with Status200OK by specifying a <code>content</code> string and a <code>contentType</code> .
Content(String, String)	Creates a ContentResult object with Status200OK by specifying a <code>content</code> string and a content type.
Content(String, String, Encoding)	Creates a ContentResult object with Status200OK by specifying a <code>content</code> string, a <code>contentType</code> , and <code>contentEncoding</code> .
File(Byte[], String)	Returns a file with the specified <code>fileContents</code> as content (Status200OK) and the specified <code>contentType</code> as the Content-Type.

[File\(Byte\[\], String, String\)](#)

Returns a file with the specified `fileContents` as content ([Status200OK](#)), the specified `contentType` as the Content-Type and the specified `fileDownloadName` as the suggested file name.

[File\(Stream, String\)](#)

Returns a file in the specified `fileStream` ([Status200OK](#)) with the specified `contentType` as the Content-Type.

[File\(Stream, String, String\)](#)

Returns a file in the specified `fileStream` ([Status200OK](#)) with the specified `contentType` as the Content-Type and the specified `fileDownloadName` as the suggested file name.

[File\(String, String\)](#)

Returns the file specified by `virtualPath` ([Status200OK](#)) with the specified `contentType` as the Content-Type.

[File\(String, String, String\)](#)

Returns the file specified by `virtualPath` ([Status200OK](#)) with the specified `contentType` as the Content-Type and the specified `fileDownloadName` as the suggested file name.

[Forbid\(\)](#)

Creates a [ForbidResult](#) ([Status403Forbidden](#) by default).

[Forbid\(AuthenticationProperties\)](#)

Creates a [ForbidResult](#) ([Status403Forbidden](#) by default) with the specified `properties`.

[Forbid\(AuthenticationProperties, String\[\]\)](#)

Creates a [ForbidResult](#) ([Status403Forbidden](#) by default) with the specified authentication schemes and `properties`.

[Forbid\(String\[\]\)](#)

Creates a [ForbidResult](#) ([Status403Forbidden](#) by default) with the specified authentication schemes.

[LocalRedirect\(String\)](#)

Creates a [LocalRedirectResult](#) object that redirects ([Status302Found](#)) to the specified local `localUrl`.

[LocalRedirectPermanent\(String\)](#)

Creates a [LocalRedirectResult](#) object with [Permanent](#) set to true ([Status301MovedPermanently](#)) using the specified `localUrl`.

[LocalRedirectPermanentPreserve](#)

Creates a [LocalRedirectResult](#) object with [Permanent](#) set to true and [PreserveMethod](#) set to

Method(String)	true (Status308PermanentRedirect) using the specified <code>localUrl</code> .
LocalRedirectPreserveMethod(String)	Creates a LocalRedirectResult object with Permanent set to false and PreserveMethod set to true (Status307TemporaryRedirect) using the specified <code>localUrl</code> .
NotFound()	Creates an NotFoundResult that produces a Status404NotFound response.
NotFound(Object)	Creates an NotFoundObjectResult that produces a Status404NotFound response.
OnPageHandlerExecuted(PageHandler ExecutedContext)	Called after the handler method executes, before the action result executes.
OnPageHandlerExecuting(PageHandler ExecutingContext)	Called before the handler method executes, after model binding is complete.
OnPageHandlerExecutionAsync(PageHandler ExecutingContext, PageHandler ExecutionDelegate)	Called asynchronously before the handler method is invoked, after model binding is complete.
OnPageHandlerSelected(PageHandler SelectedContext)	Called after a handler method has been selected, but before model binding occurs.
OnPageHandlerSelectionAsync(PageHandler SelectedContext)	Called asynchronously after the handler method has been selected, but before model binding occurs.
Page()	Creates a PageResult object that renders the page.
Partial(String)	Creates a PartialViewResult by specifying the name of a partial to render.
Partial(String, Object)	Creates a PartialViewResult by specifying the name of a partial to render and the model object.

PhysicalFile(String, String)	Returns the file specified by <code>physicalPath</code> (Status200OK) with the specified <code>contentType</code> as the Content-Type.
PhysicalFile(String, String, String)	Returns the file specified by <code>physicalPath</code> (Status200OK) with the specified <code>contentType</code> as the Content-Type and the specified <code>fileName</code> as the suggested file name.
Redirect(String)	Creates a RedirectResult object that redirects (Status302Found) to the specified <code>url</code> .
RedirectPermanent(String)	Creates a RedirectResult object with <code>Permanent</code> set to true (Status301MovedPermanently) using the specified <code>url</code> .
RedirectPermanentPreserveMethod(String)	Creates a RedirectResult object with <code>Permanent</code> set to true and <code>PreserveMethod</code> set to true (Status308PermanentRedirect) using the specified <code>url</code> .
RedirectPreserveMethod(String)	Creates a RedirectResult object with <code>Permanent</code> set to false and <code>PreserveMethod</code> set to true (Status307TemporaryRedirect) using the specified <code>url</code> .
RedirectToAction(String)	Redirects (Status302Found) to the specified action using the <code>actionName</code> .
RedirectToAction(String, Object)	Redirects (Status302Found) to the specified action using the <code>actionName</code> and <code>routeValues</code> .
RedirectToAction(String, String)	Redirects (Status302Found) to the specified action using the <code>actionName</code> and the <code>controllerName</code> .
RedirectToAction(String, String, Object)	Redirects (Status302Found) to the specified action using the specified <code>actionName</code> , <code>controllerName</code> , and <code>routeValues</code> .
RedirectToAction(String, String, Object, String)	Redirects (Status302Found) to the specified action using the specified <code>actionName</code> , <code>controllerName</code> , <code>routeValues</code> , and <code>fragment</code> .
RedirectToAction(String, String, String)	Redirects (Status302Found) to the specified action using the specified <code>actionName</code> , <code>controllerName</code> , and <code>fragment</code> .

RedirectToActionPermanent(String)	Redirects (Status301MovedPermanently) to the specified action with Permanent set to true using the specified <code>actionName</code> .
RedirectToActionPermanent(String, Object)	Redirects (Status301MovedPermanently) to the specified action with Permanent set to true using the specified <code>actionName</code> and <code>routeValues</code> .
RedirectToActionPermanent(String, String)	Redirects (Status301MovedPermanently) to the specified action with Permanent set to true using the specified <code>actionName</code> and <code>controllerName</code> .
RedirectToActionPermanent(String, String, Object)	Redirects (Status301MovedPermanently) to the specified action with Permanent set to true using the specified <code>actionName</code> , <code>controllerName</code> , and <code>routeValues</code> .
RedirectToActionPermanent(String, String, Object, String)	Redirects (Status301MovedPermanently) to the specified action with Permanent set to true using the specified <code>actionName</code> , <code>controllerName</code> , <code>routeValues</code> , and <code>fragment</code> .
RedirectToActionPermanent(String, String, String)	Redirects (Status301MovedPermanently) to the specified action with Permanent set to true using the specified <code>actionName</code> , <code>controllerName</code> , and <code>fragment</code> .
RedirectToActionPermanentPreserveMethod(String, String, Object, String)	Redirects (Status308PermanentRedirect) to the specified action with Permanent set to true and PreserveMethod set to true, using the specified <code>actionName</code> , <code>controllerName</code> , <code>routeValues</code> , and <code>fragment</code> .
RedirectToActionPreserveMethod(String, String, Object, String)	Redirects (Status307TemporaryRedirect) to the specified action with Permanent set to false and PreserveMethod set to true, using the specified <code>actionName</code> , <code>controllerName</code> , <code>routeValues</code> , and <code>fragment</code> .
RedirectToPage()	Redirects (Status302Found) to the current page.
RedirectToPage(Object)	Redirects (Status302Found) to the current page with the specified <code>routeValues</code> .
RedirectToPage(String)	Redirects (Status302Found) to the specified <code>pageName</code> .
RedirectToPage(String, Object)	Redirects (Status302Found) to the specified <code>pageName</code> using the specified <code>routeValues</code> .

RedirectToPage(String, String)	Redirects (Status302Found) to the specified <code>pageName</code> using the specified <code>pageHandler</code> .
RedirectToPage(String, String, Object)	Redirects (Status302Found) to the specified <code>pageName</code> using the specified <code>pageHandler</code> and <code>routeValues</code> .
RedirectToPage(String, String, Object, String)	Redirects (Status302Found) to the specified <code>pageName</code> using the specified <code>routeValues</code> and <code>fragment</code> .
RedirectToPage(String, String, String)	Redirects (Status302Found) to the specified <code>pageName</code> using the specified <code>fragment</code> .
RedirectToPagePermanent(String)	Redirects (Status301MovedPermanently) to the specified <code>pageName</code> .
RedirectToPagePermanent(String, Object)	Redirects (Status301MovedPermanently) to the specified <code>pageName</code> using the specified <code>routeValues</code> .
RedirectToPagePermanent(String, Object, String)	Redirects (Status301MovedPermanently) to the specified <code>pageName</code> using the specified <code>fragment</code> .
RedirectToPagePermanent(String, String)	Redirects (Status301MovedPermanently) to the specified <code>pageName</code> .
RedirectToPagePermanent(String, String, Object)	Redirects (Status301MovedPermanently) to the specified <code>pageName</code> using the specified <code>routeValues</code> .
RedirectToPagePermanent(String, String, Object, String)	Redirects (Status301MovedPermanently) to the specified <code>pageName</code> using the specified <code>routeValues</code> and <code>fragment</code> .
RedirectToPagePermanent(String, String, String)	Redirects (Status301MovedPermanently) to the specified <code>pageName</code> using the specified <code>fragment</code> .
RedirectToPagePermanentPreserveMethod(String, String, Object, String)	Redirects (Status308PermanentRedirect) to the specified route with Permanent set to true and PreserveMethod set to true, using the specified <code>pageName</code> , <code>routeValues</code> , and <code>fragment</code> .

RedirectToPagePreserveMethod(String, String, Object, String)	Redirects (Status307TemporaryRedirect) to the specified page with Permanent set to false and PreserveMethod set to true, using the specified <code>pageName</code> , <code>routeValues</code> , and <code>fragment</code> .
RedirectToRoute(Object)	Redirects (Status302Found) to the specified route using the specified <code>routeValues</code> .
RedirectToRoute(String)	Redirects (Status302Found) to the specified route using the specified <code>routeName</code> .
RedirectToRoute(String, Object)	Redirects (Status302Found) to the specified route using the specified <code>routeName</code> and <code>routeValues</code> .
RedirectToRoute(String, Object, String)	Redirects (Status302Found) to the specified route using the specified <code>routeName</code> , <code>routeValues</code> , and <code>fragment</code> .
RedirectToRoute(String, String)	Redirects (Status302Found) to the specified route using the specified <code>routeName</code> and <code>fragment</code> .
RedirectToRoutePermanent(Object)	Redirects (Status301MovedPermanently) to the specified route with Permanent set to true using the specified <code>routeValues</code> .
RedirectToRoutePermanent(String)	Redirects (Status301MovedPermanently) to the specified route with Permanent set to true using the specified <code>routeName</code> .
RedirectToRoutePermanent(String, Object)	Redirects (Status301MovedPermanently) to the specified route with Permanent set to true using the specified <code>routeName</code> and <code>routeValues</code> .
RedirectToRoutePermanent(String, Object, String)	Redirects (Status301MovedPermanently) to the specified route with Permanent set to true using the specified <code>routeName</code> , <code>routeValues</code> , and <code>fragment</code> .
RedirectToRoutePermanent(String, String)	Redirects (Status301MovedPermanently) to the specified route with Permanent set to true using the specified <code>routeName</code> and <code>fragment</code> .
RedirectToRoutePermanentPreserveMethod(String, Object, String)	Redirects (Status308PermanentRedirect) to the specified route with Permanent set to true and PreserveMethod set to true, using the specified <code>routeName</code> , <code>routeValues</code> , and

`fragment`.

[RedirectToRoutePreserveMethod\(String, Object, String\)](#)

Redirects ([Status307TemporaryRedirect](#)) to the specified route with [Permanent](#) set to false and [PreserveMethod](#) set to true, using the specified `routeName`, `routeValues`, and `fragment`.

[SignIn\(ClaimsPrincipal, Authentication Properties, String\)](#)

Creates a [SignInResult](#) with the specified authentication scheme and `properties`.

[SignIn\(ClaimsPrincipal, String\)](#)

Creates a [SignInResult](#) with the specified authentication scheme.

[SignOut\(AuthenticationProperties, String\[\]\)](#)

Creates a [SignOutResult](#) with the specified authentication schemes and `properties`.

[SignOut\(String\[\]\)](#)

Creates a [SignOutResult](#) with the specified authentication schemes.

[StatusCode\(Int32\)](#)

Creates a [StatusCodeResult](#) object by specifying a `statusCode`.

[StatusCode\(Int32, Object\)](#)

Creates a [ObjectResult](#) object by specifying a `statusCode` and `value`

[TryUpdateModelAsync\(Object, Type, String\)](#)

Updates the specified `model` instance using values from the [PageModel](#)'s current [IValueProvider](#) and a `name`.

[TryUpdateModelAsync\(Object, Type, String, IValueProvider, Func<Model Metadata, Boolean>\)](#)

Updates the specified `model` instance using the `valueProvider` and a `name`.

[TryUpdateModelAsync<TModel>\(TModel\)](#)

Updates the specified `model` instance using values from the [PageModel](#)'s current [IValueProvider](#).

[TryUpdateModelAsync<TModel>\(TModel, String\)](#)

Updates the specified `model` instance using values from the [PageModel](#)'s current [IValueProvider](#).

`TryUpdateModelAsync<TModel>(TModel, String, Expression<Func<TModel, Object>> > [])`

Updates the specified `model` instance using values from the `PageModel`'s current `IValueProvider` and a `name`.

`TryUpdateModelAsync<TModel>(TModel, String, Func<ModelMetadata, Boolean>)`

Updates the specified `model` instance using values from the `PageModel`'s current `IValueProvider` and a `name`.

`TryUpdateModelAsync<TModel>(TModel, String, IValueProvider)`

Updates the specified `model` instance using the `valueProvider` and a `name`.

`TryUpdateModelAsync<TModel>(TModel, String, IValueProvider, Expression<Func<TModel, Object>> > [])`

Updates the specified `model` instance using the `valueProvider` and a `name`.

`TryUpdateModelAsync<TModel>(TModel, String, IValueProvider, Func<ModelMetadata, Boolean>)`

Updates the specified `model` instance using the `valueProvider` and a `name`.

`TryValidateModel(Object)`

Validates the specified `model` instance.

`TryValidateModel(Object, String)`

Validates the specified `model` instance.

`Unauthorized()`

Creates an `UnauthorizedResult` that produces an `Status401Unauthorized` response.

`ViewComponent(String)`

Creates a `ViewComponentResult` by specifying the name of a view component to render.

`ViewComponent(String, Object)`

Creates a `ViewComponentResult` by specifying the name of a view component to render.

`ViewComponent(Type)`

Creates a `ViewComponentResult` by specifying the `Type` of a view component to render.

`ViewComponent(Type, Object)`

Creates a `ViewComponentResult` by specifying the `Type` of a view component to render.

Applies to

ASP.NET Core

5.0, 3.1, 3.0, 2.2, 2.1, 2.0

Is this page helpful?

 Yes  No
