

MVC - Overview



Naming Conventions and Routing

- The routing takes place
`{controller}/{action}/{id}`
- Home/About goes to HomeController's About method

Action Result

- The controller contains Action methods
- Action methods typically return Action Results.
- ActionResult is the base class for all the other action results

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

- The above code returns ViewResult

ActionResult

- It is always better to return the base class type
- Some methods could return different action results based on the scenario
- A few action result classes that derive from ActionResult

ViewResult, JsonResult, ContentResult,
FileResult ...

ViewBag and ViewData

- To transfer data from controller to view
- ViewData is a dictionary object and accessible by key
- ViewBag is a dynamic property
- ViewBag is a wrapper over ViewData
- Life cycle is for current request

TempData

- Derives from TempData Dictionary
- Transfer data between controllers or actions
- TempData.Keep is used to store the data after the current request

@model

- @model directive provides a cleaner and more concise way to reference strongly-typed models from view
- To reference the model in the View Code use the property **Model**