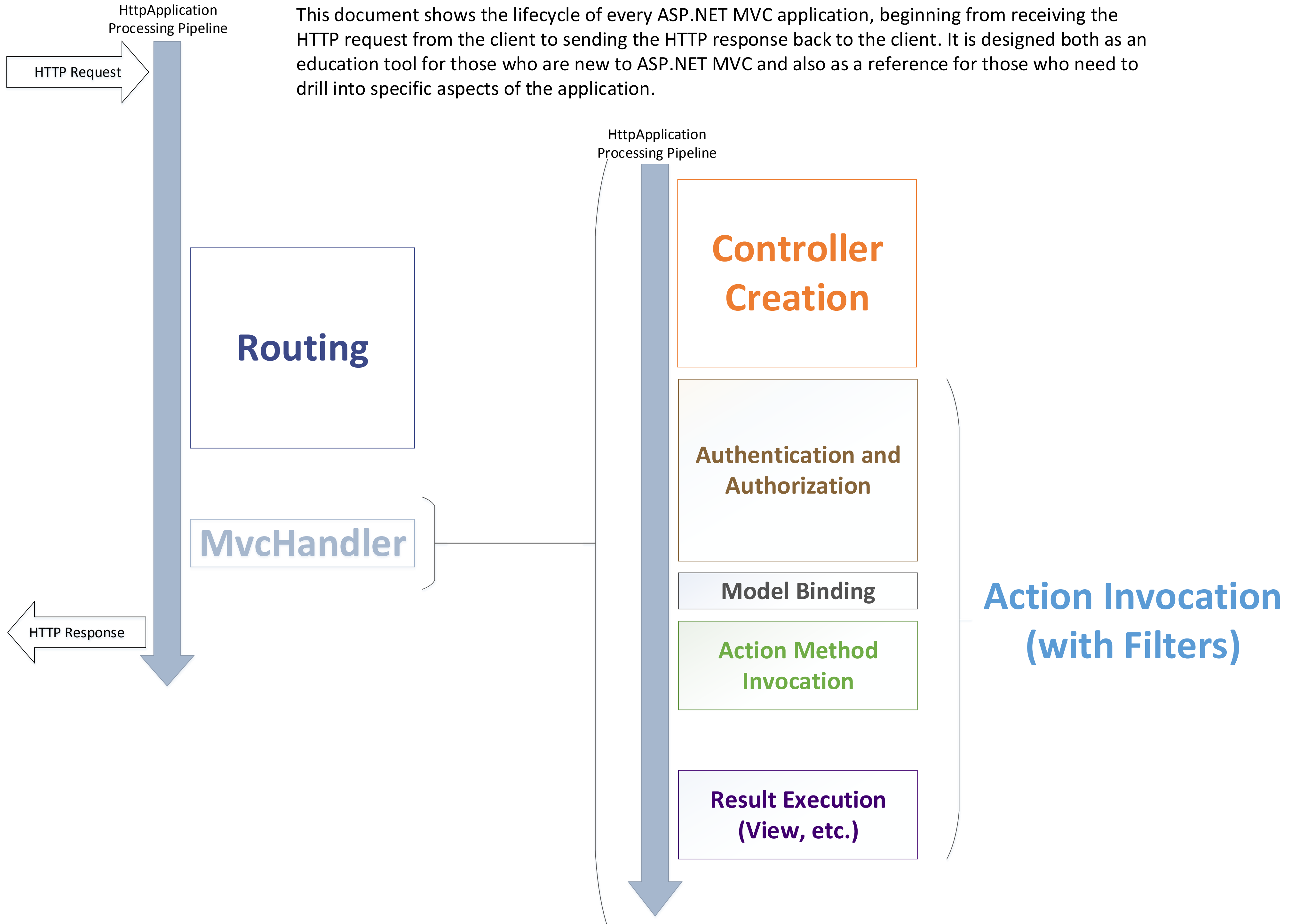


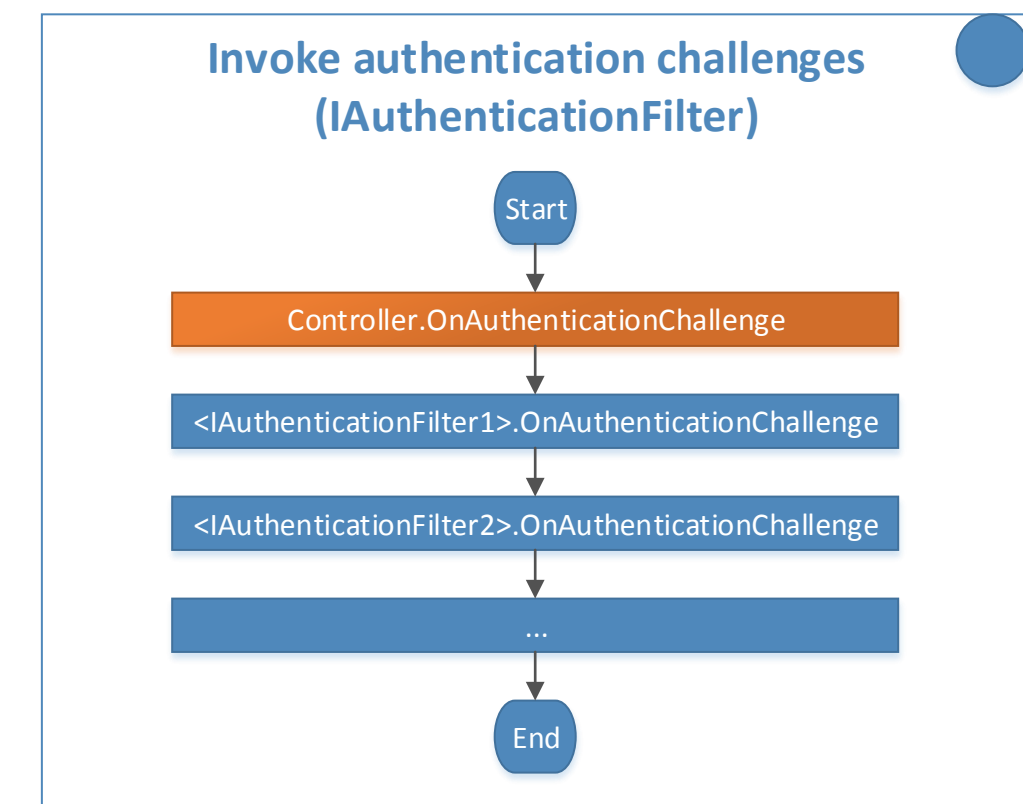
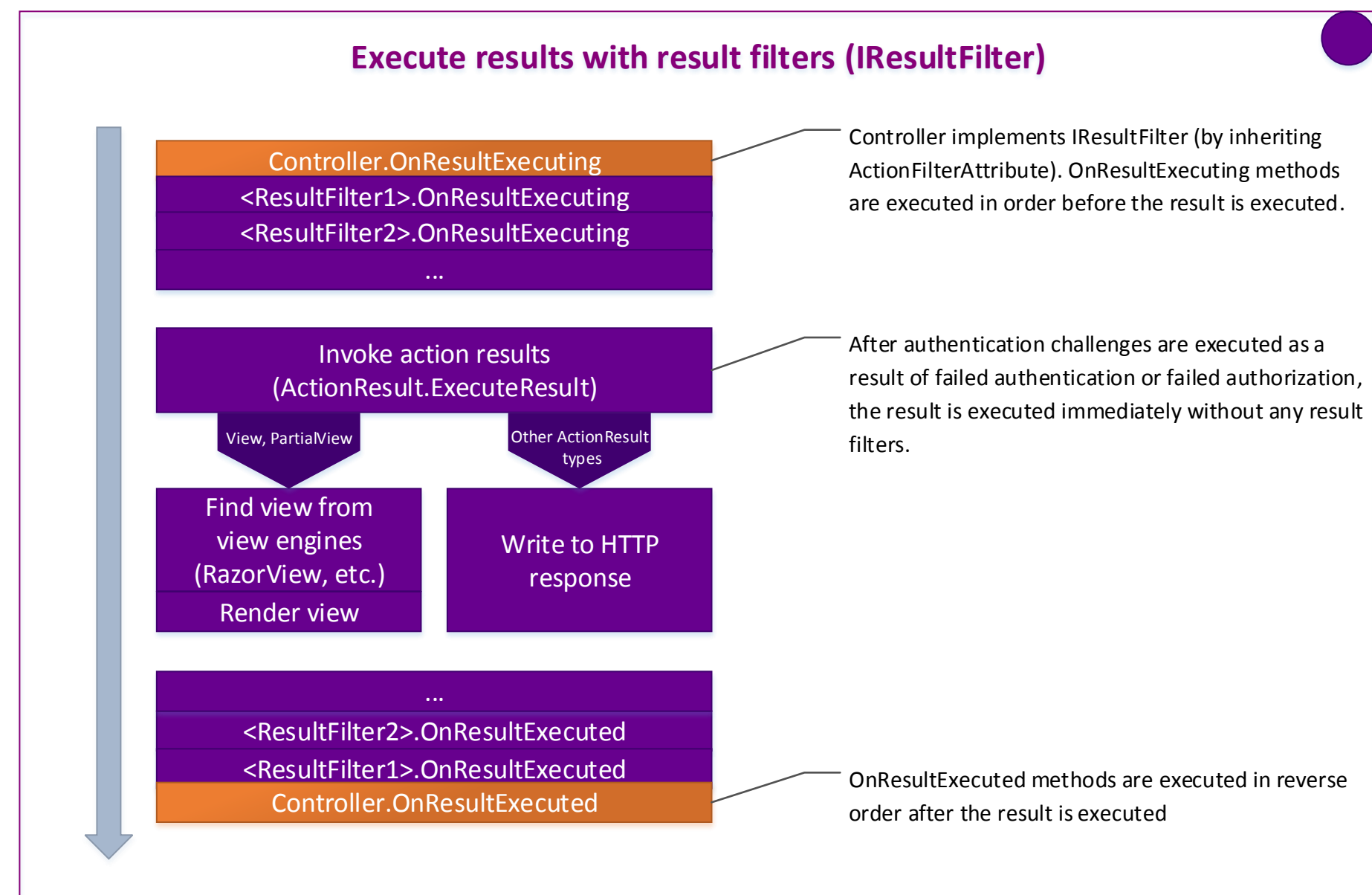
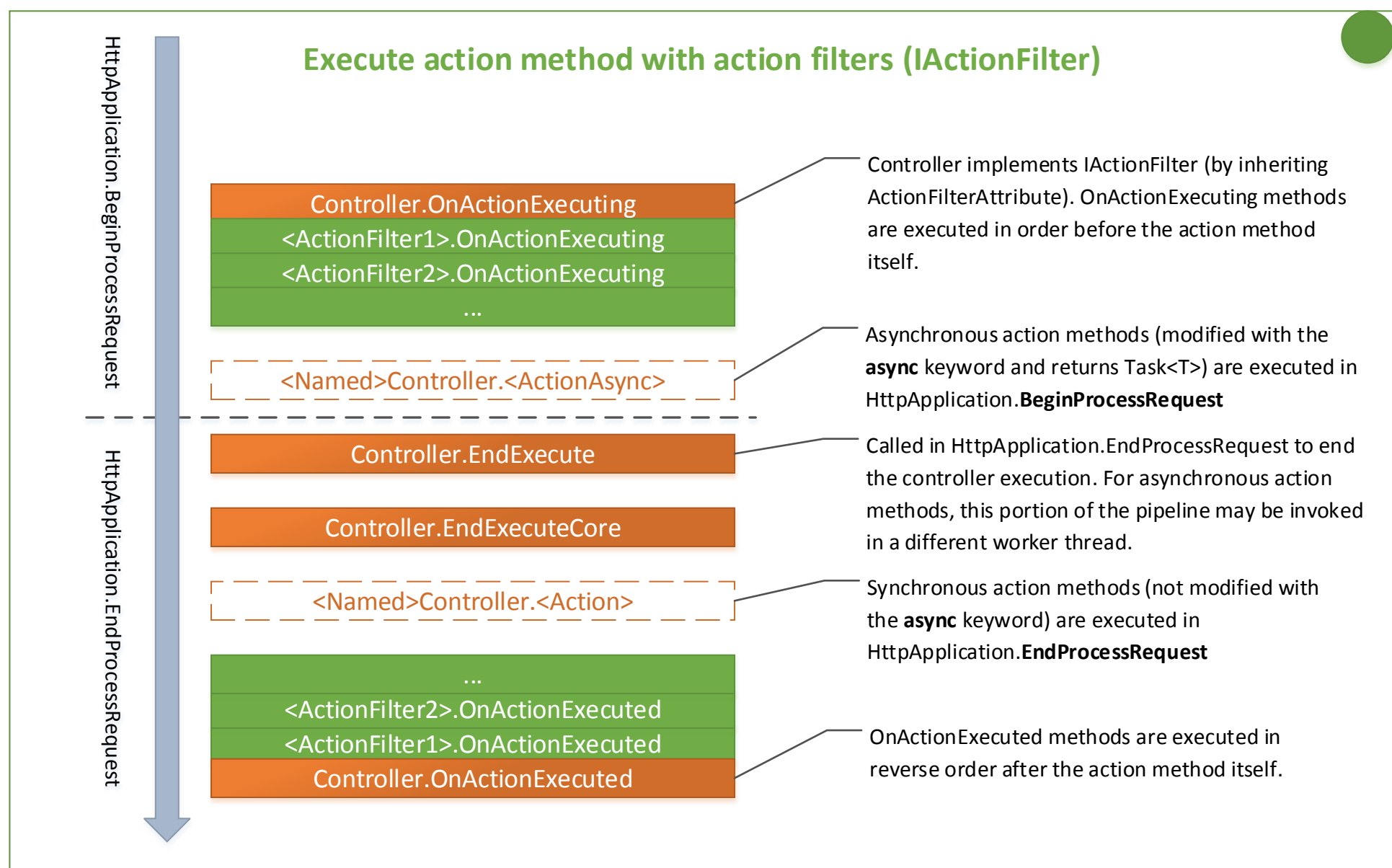
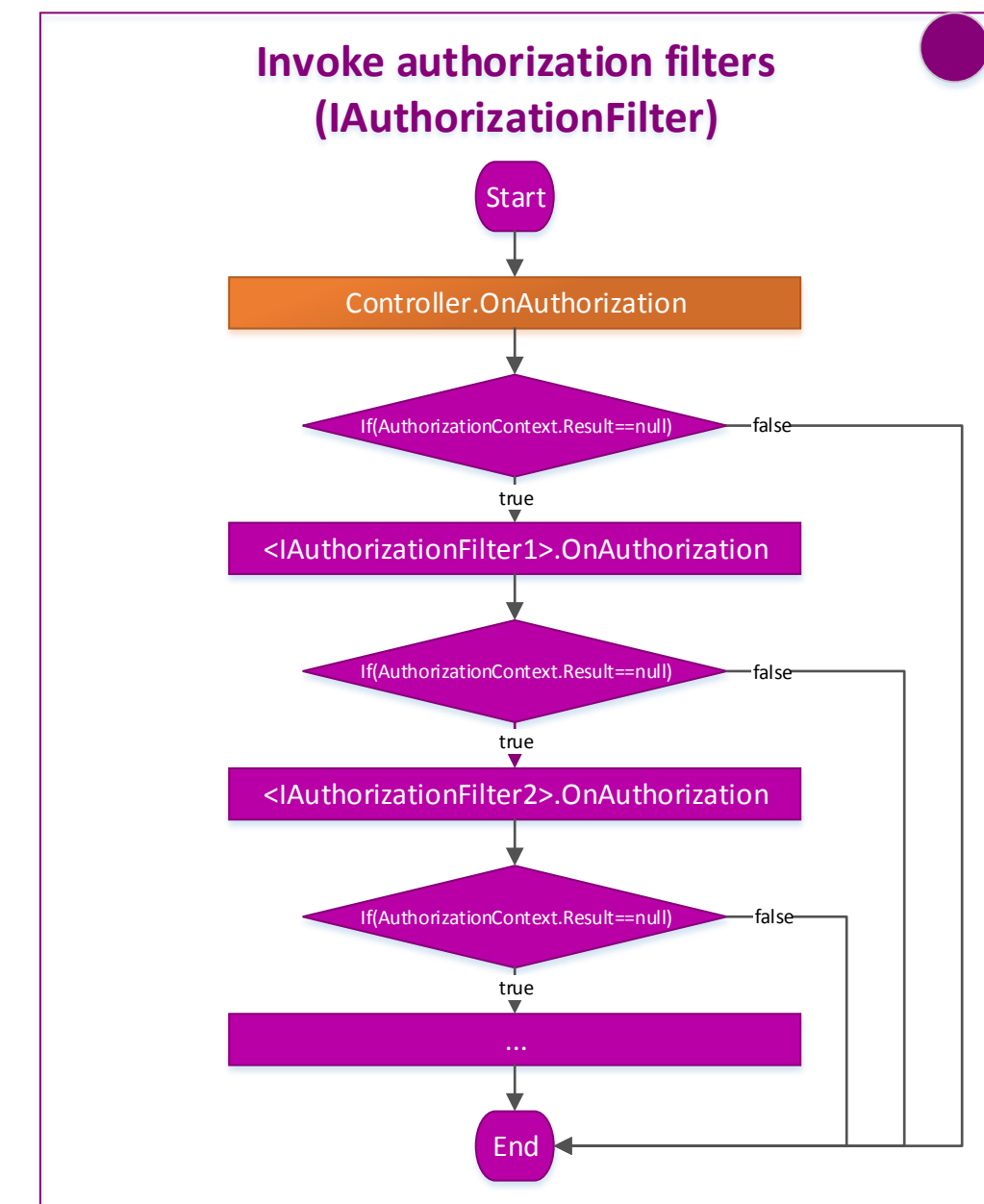
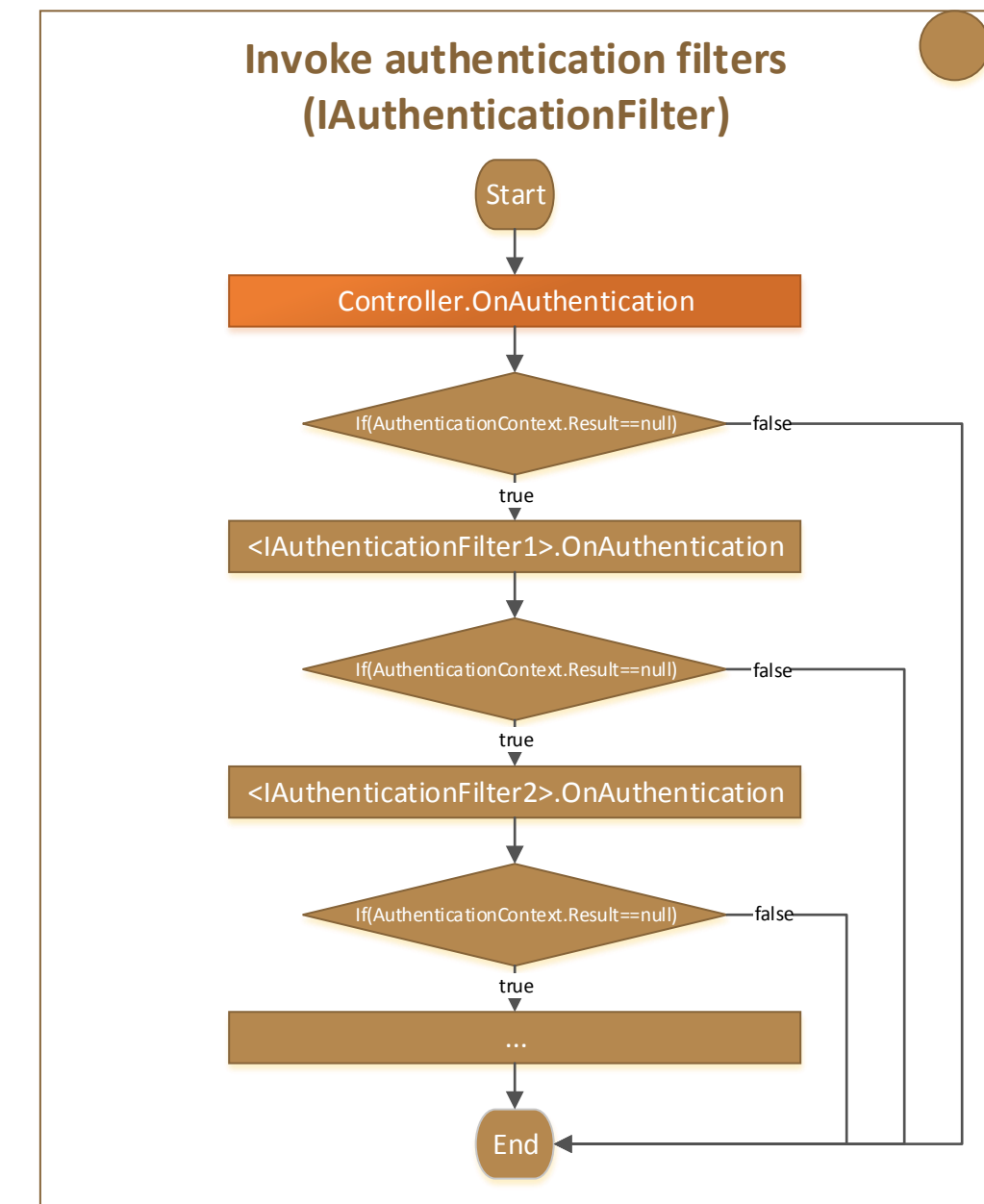
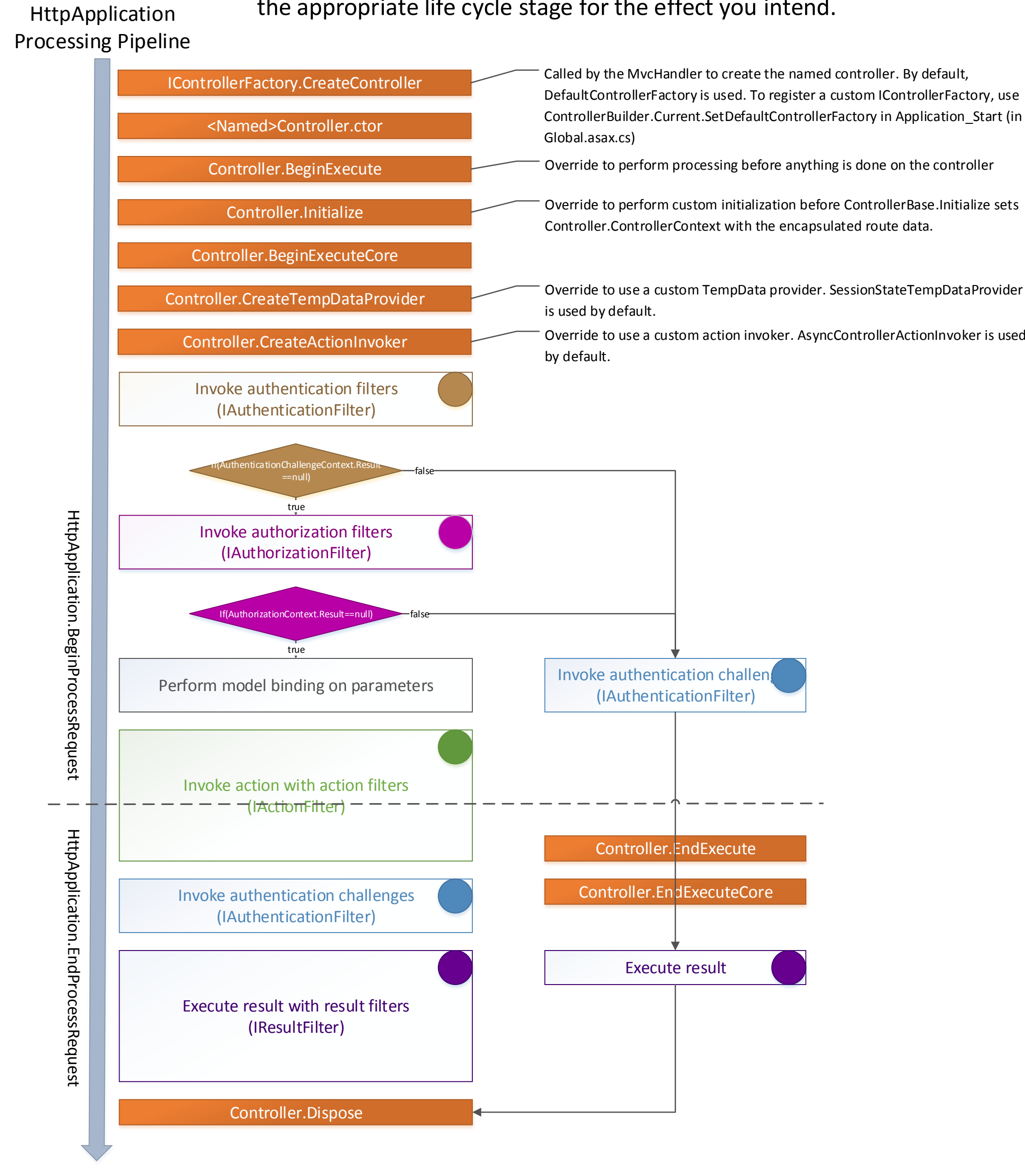
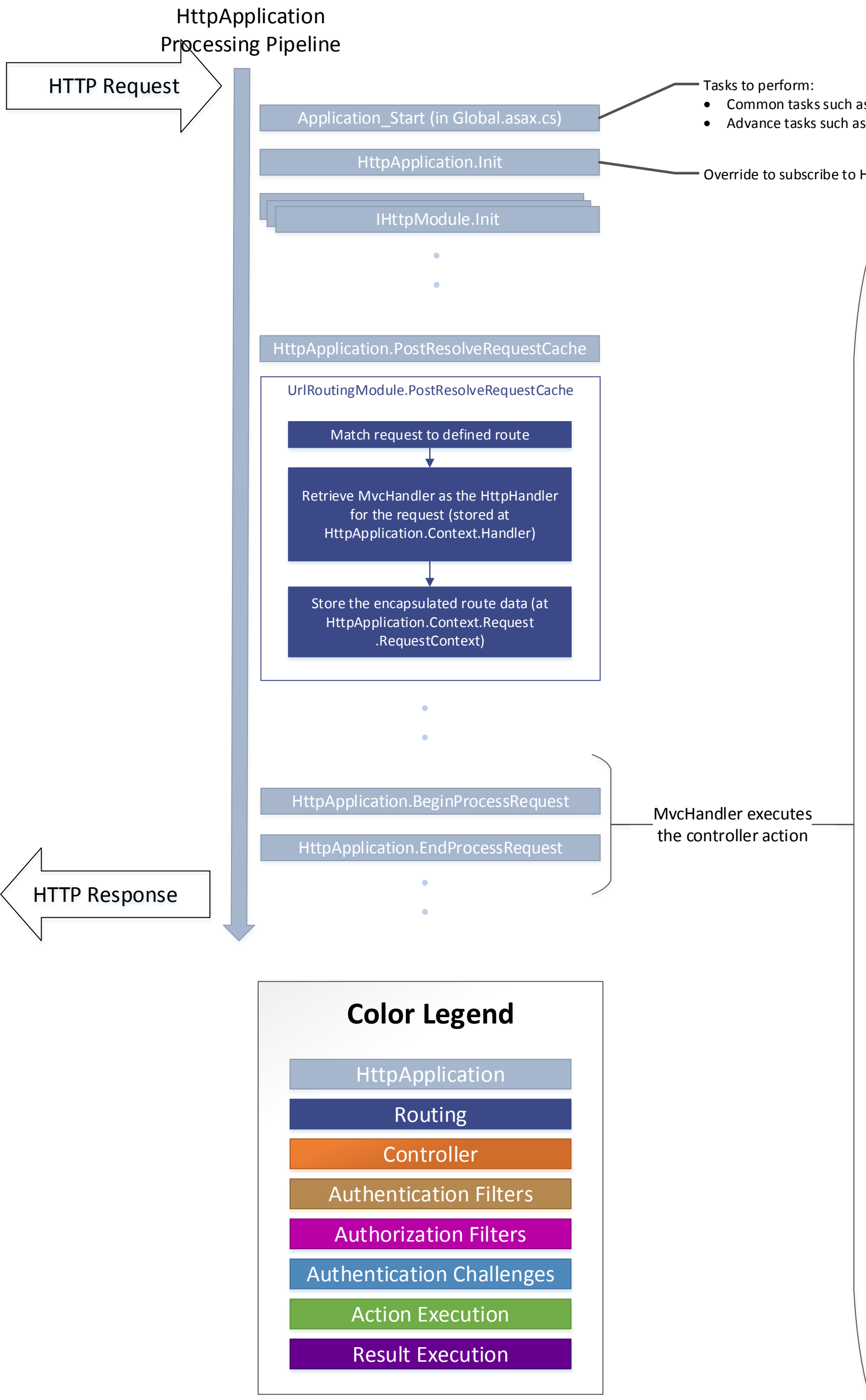
# ASP.NET MVC 5 APPLICATION LIFECYCLE – HIGH-LEVEL VIEW

This document shows the lifecycle of every ASP.NET MVC application, beginning from receiving the HTTP request from the client to sending the HTTP response back to the client. It is designed both as an education tool for those who are new to ASP.NET MVC and also as a reference for those who need to drill into specific aspects of the application.



# ASP.NET MVC 5 APPLICATION LIFECYCLE – DETAIL VIEW

The diagram shows relevant `HttpApplication` stages to help you understand where MVC integrates into the ASP.NET application lifecycle. In addition, for the overridable methods on the Controller object that are part the MVC lifecycle, the diagram identifies when these methods are invoked in the processing pipeline and why you might want to override them. You may or may not have the need to override any one method, but It is important for you to understand their role in the application life cycle so that you can write code at the appropriate life cycle stage for the effect you intend.



Authentication challenges are invoked whenever authentication or authorization filters return a result to indicate failure. They are also invoked after the action method executes in case the authentication scheme requires it, such as for server authentication to the client. Use `OnAuthenticationChallenge` to create the `ActionResult` you intend to send to the client when authentication challenges are invoked. When authentication challenges are invoked, all registered `IAuthorizationFilter` contribute to the result.