

MVC

Christen Zarif Foad

Filters in .Net Core

- Filters are used to run code before or after certain stages in the request processing pipeline.
- There are many **built-in filters** for **authorization, logging, caching, exception handling** and so on.
- You can also **create custom filters** to handle concerns for your application in the way you want
- Filters also help to avoid code-duplication across action methods.

Different Types of Filters

- **Filters** implement the **IFilterMetadata** interface of the `Microsoft.AspNetCore.Mvc.Filters` namespace.

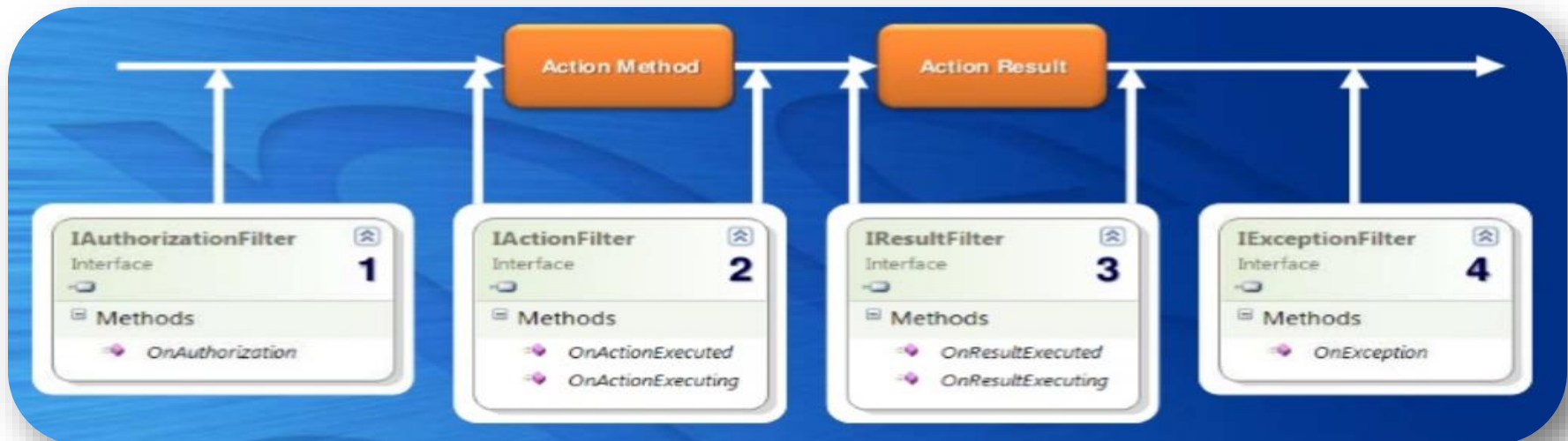
Different Types of Filters

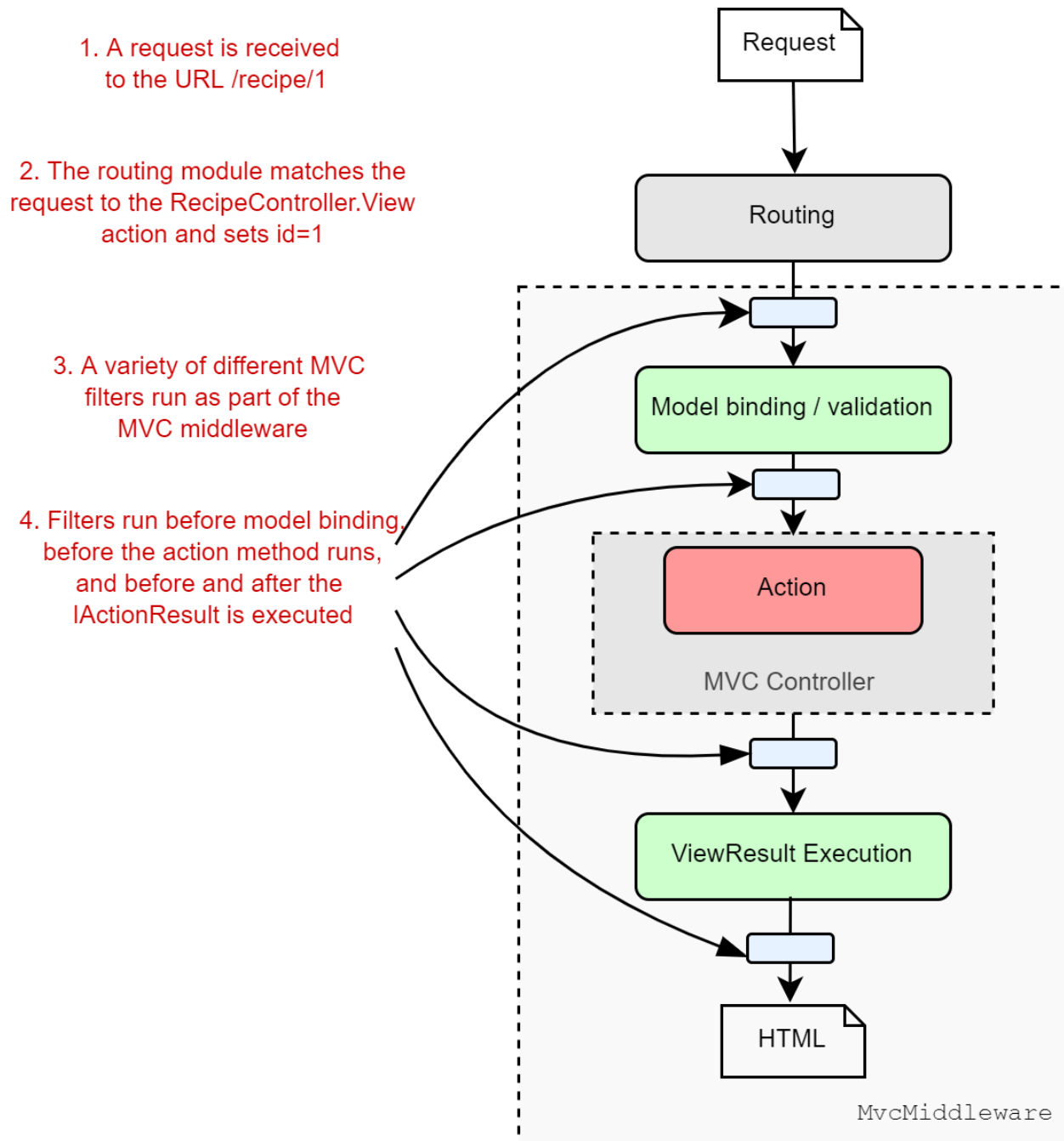
- There are many **different types of filters**, important ones are defined in the below table along with the interface that contains them.

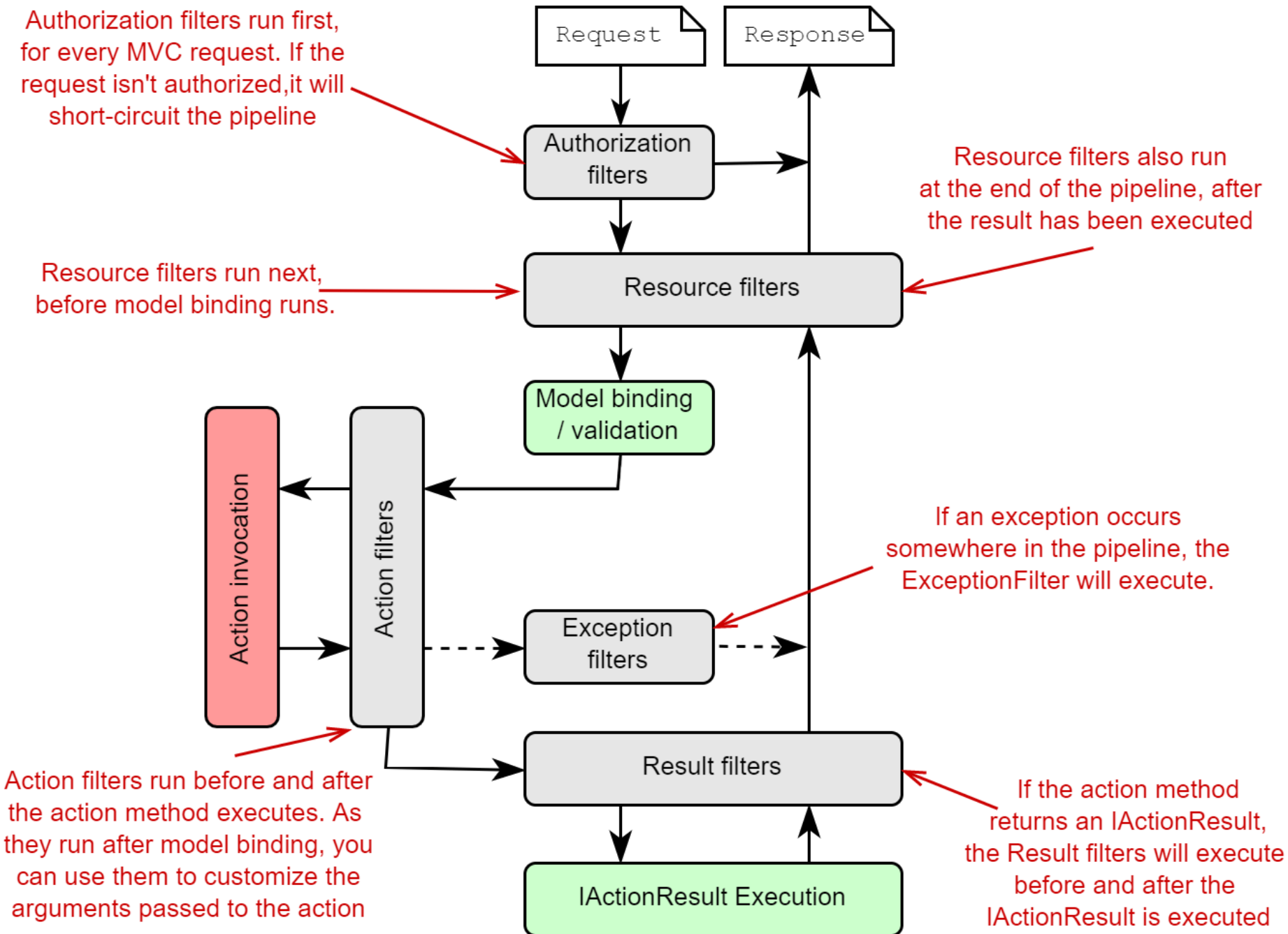
Filter	Interfaces that contains them	Description
Authorization	IAuthorizationFilter, IAsyncAuthorizationFilter	Used to apply authorization and security policy
Action	IActionFilter, IAsyncActionFilter	Used to perform a specify work immediately before or after an action method is performed
Result	IResultFilter, IAsyncResultFilter	Used to perform a specify work immediately before or after the <u>result</u> from an action method is processed
Exception	IExceptionHandler, IAsyncExceptionHandler	Used to handle exceptions

Order of Execution of Filters

- Filters are executed in the following order:
 - **Authorization Filters** are the first to execute.
 - Then comes the **Action Filters**.
 - At the last the **Result Filters** are executed.
 - The **Exception Filters** are executed only when an exception occurs.







- Different between AddIdentity & AddIdentityCore
- AUTOMAPPER;
- PageList
- MVC Area :
- Caching
- Repository Patter In mvc