

The MVC Request Life Cycle

Overview



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The MVC Framework

Controllers

Action
Methods

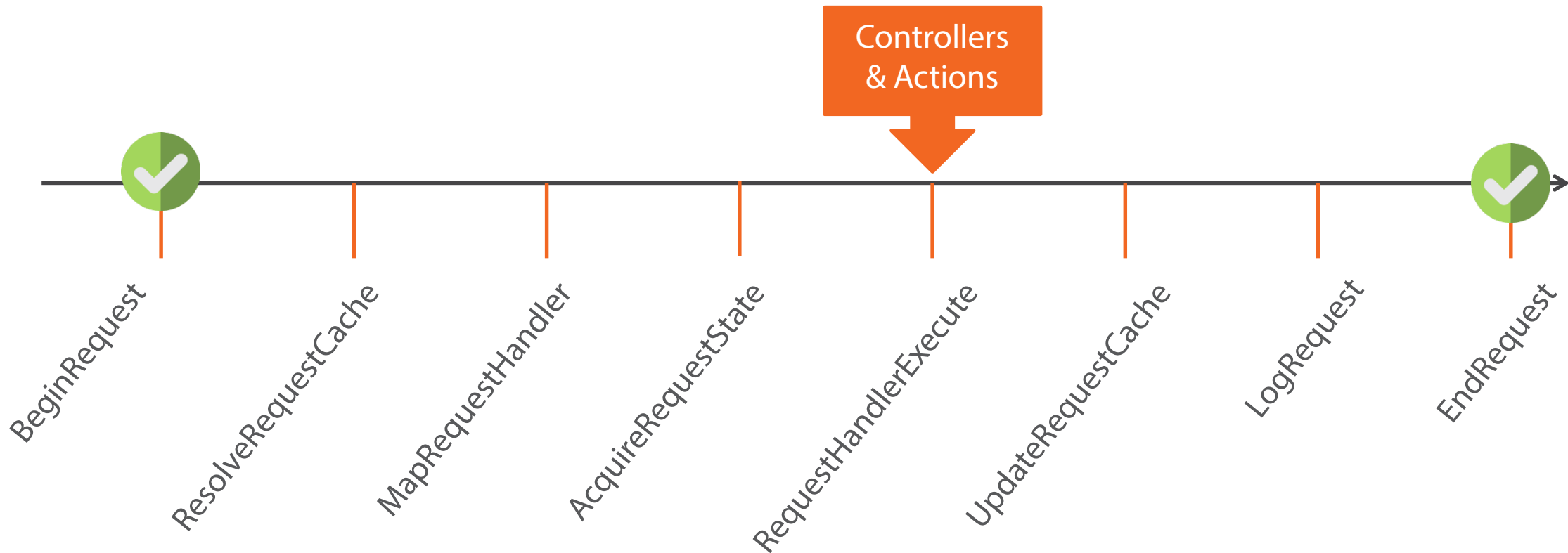
Models

Filters

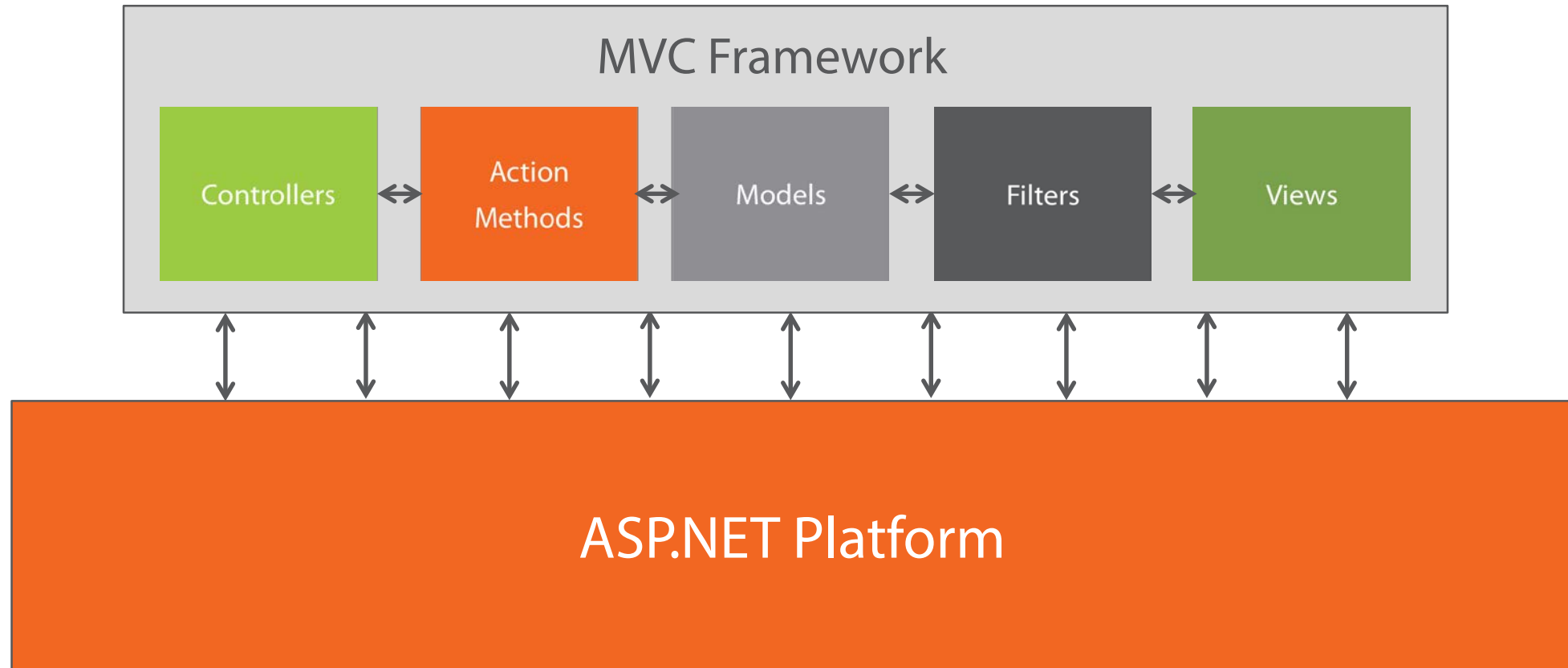
Views

And More!

The **ASP.NET** Life Cycle



MVC and ASP.NET



Course Prerequisites



Working knowledge of MVC



Concept



Code

Is This Course Right for **You**?

First Audience



- Existing developers looking for a deeper understanding of MVC
- Developers migrating from another platform

Second Audience



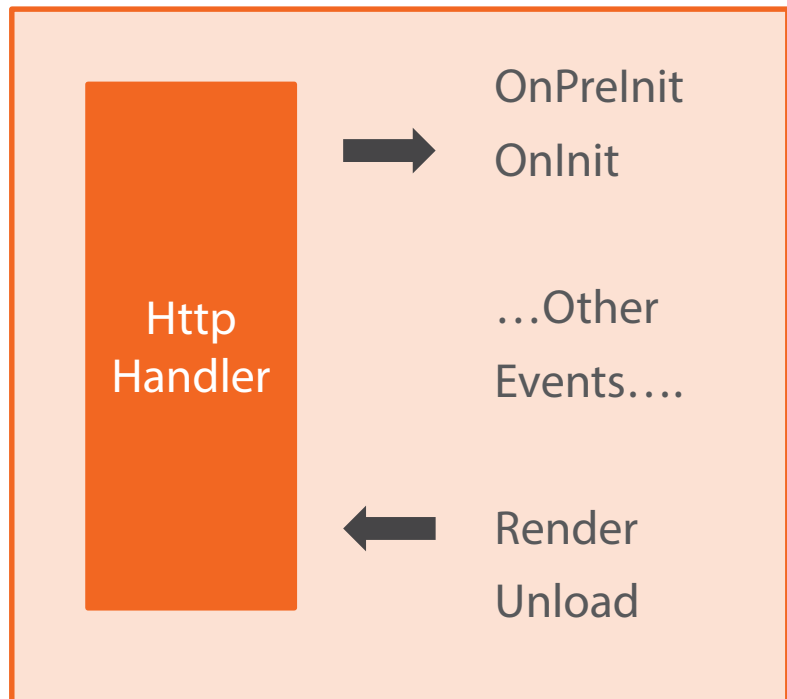
- Developers who started their .NET career with MVC
- Never exposed to the larger ASP.NET platform



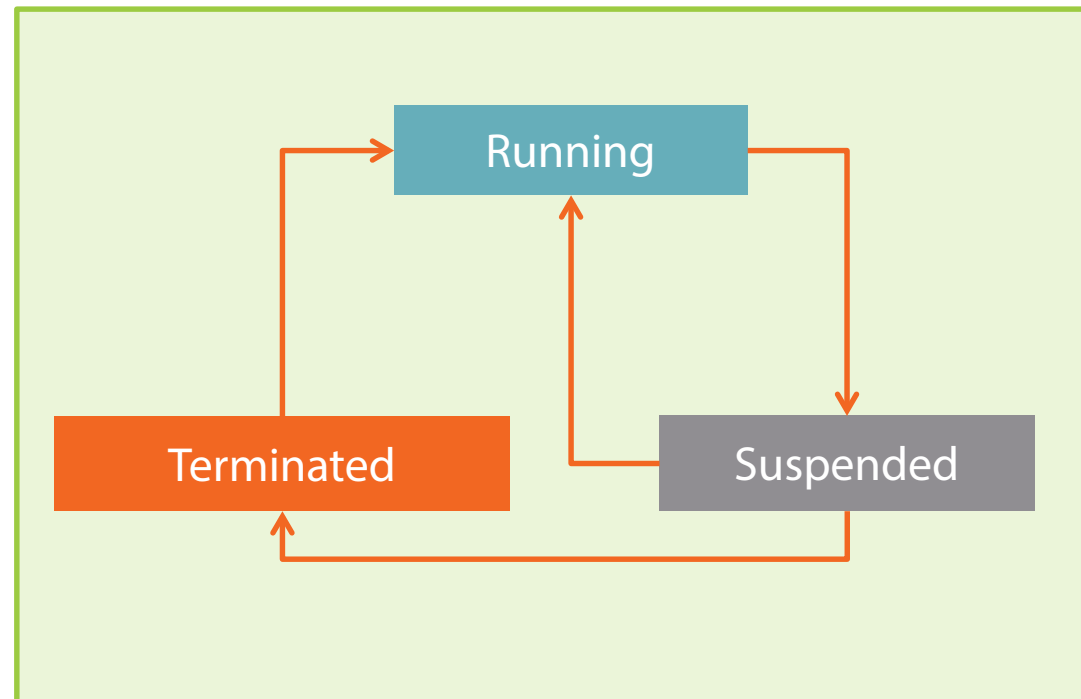
Defining the Request Life Cycle

Sample Life Cycles

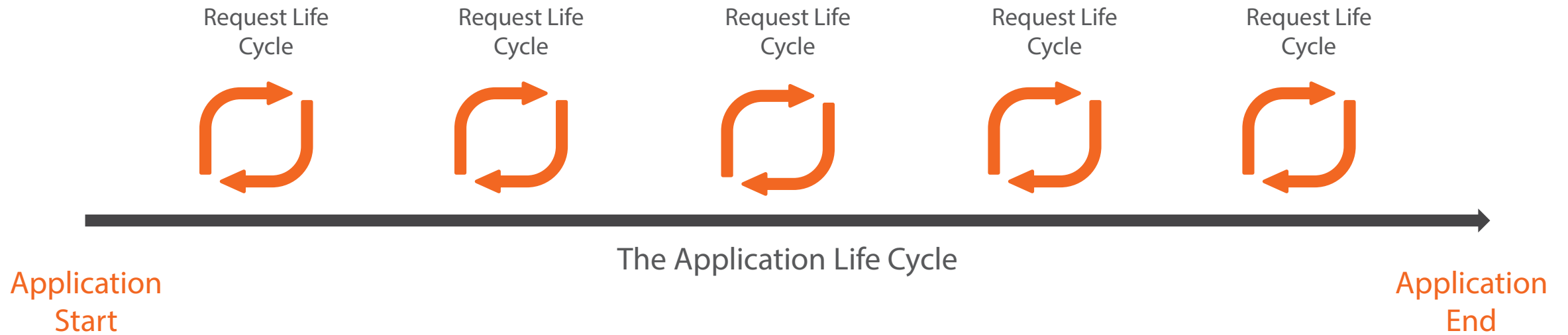
ASP.NET Webforms



Windows Phone 8.1



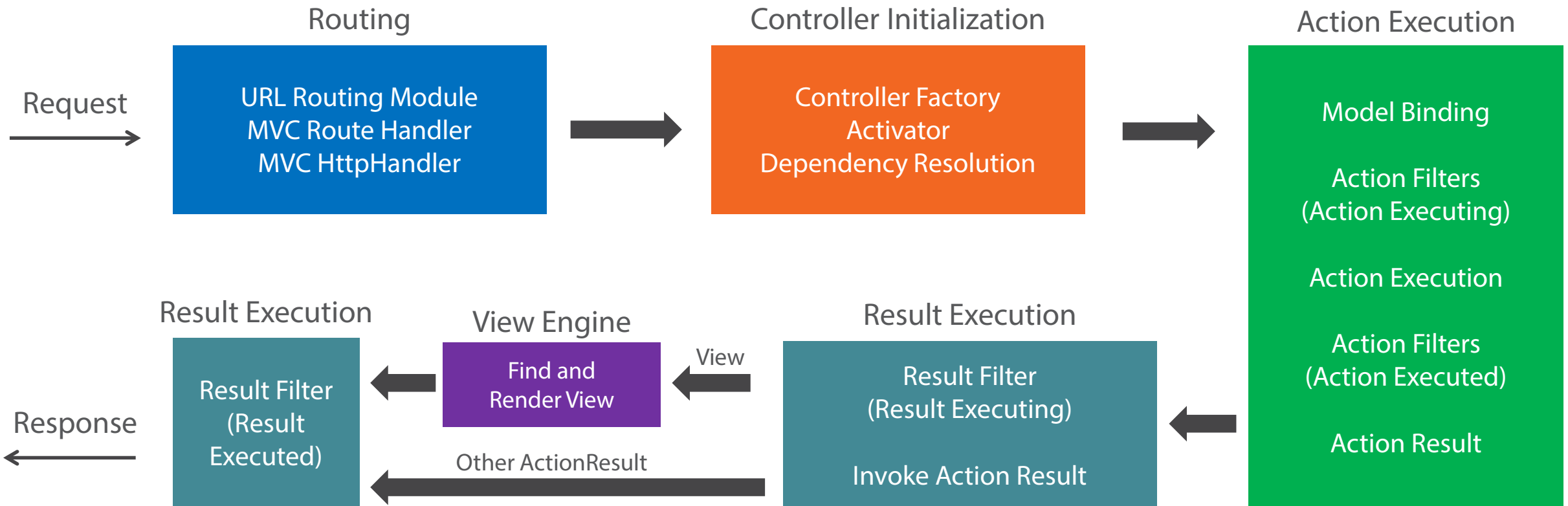
The **MVC** Life Cycles





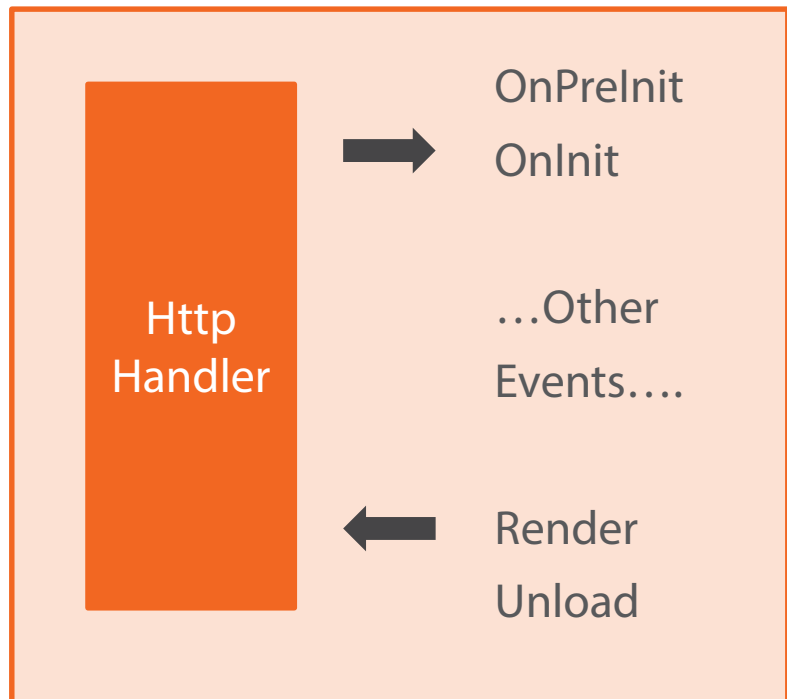
The Request Life Cycle Overview

The **MVC** Request Life Cycle

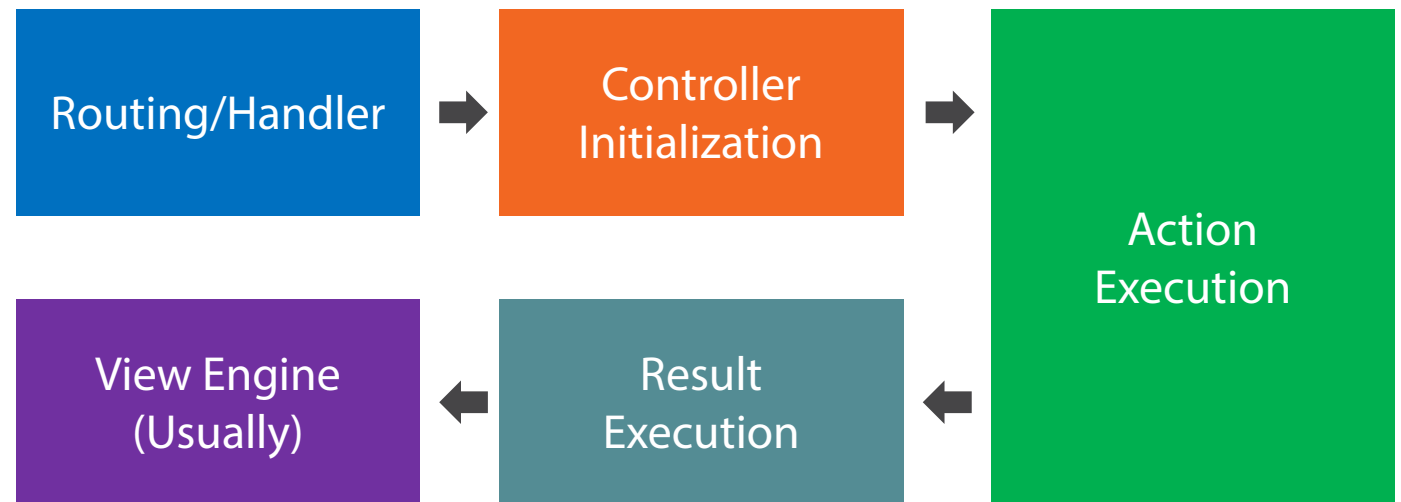


Webforms and MVC

ASP.NET Webforms



ASP.NET MVC



Handling a Request

Webforms

~/Home/Index.aspx



Index.aspx

MVC

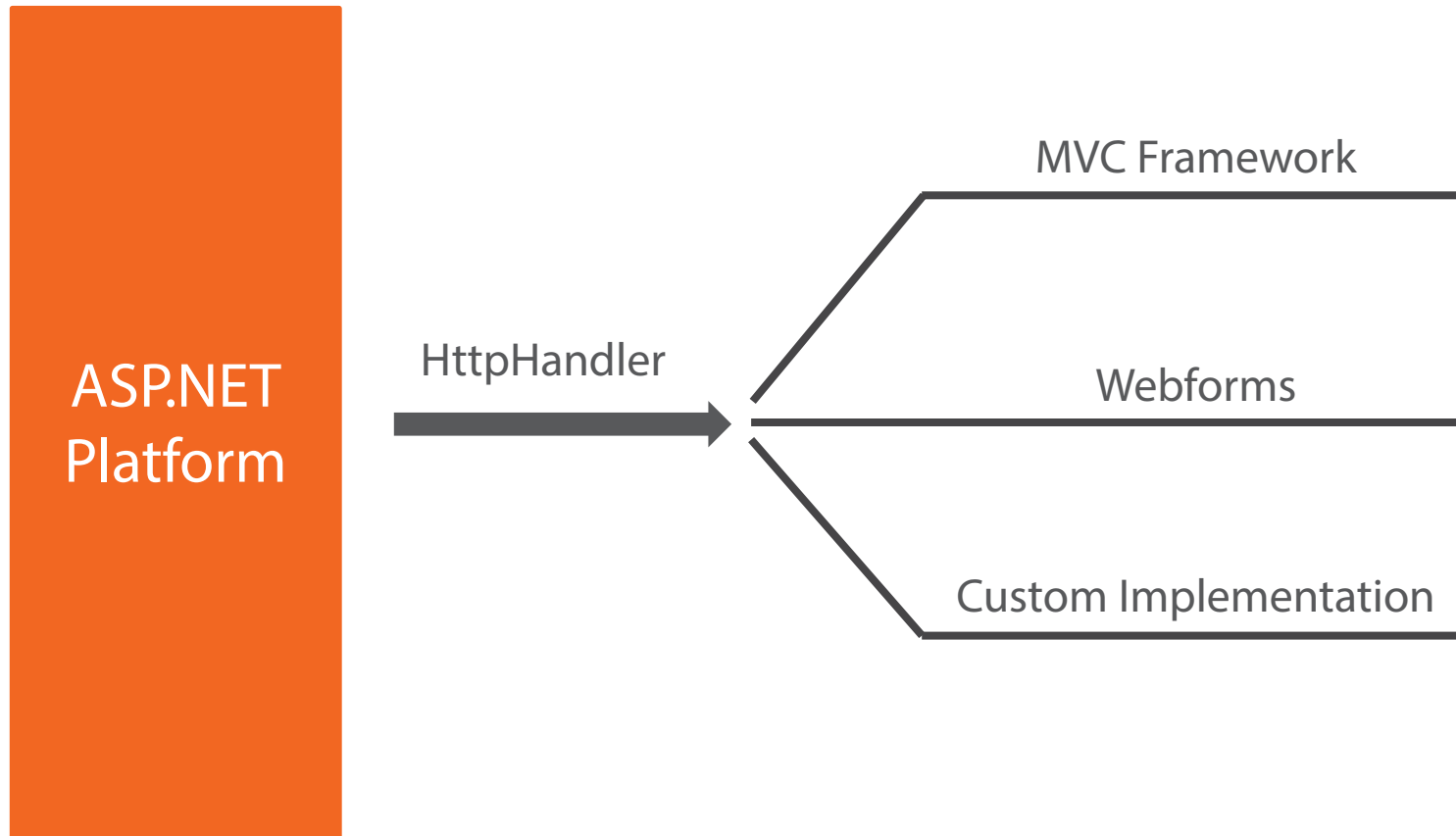
~/Home/Index

```
public class HomeController : Controller
{
    public ActionResult Index()
    {
        return View();
    }

    public ActionResult About()
    {
        return View();
    }

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

One Platform, **Multiple** Implementations



Summary



- MVC is built on top of ASP.NET
- Routing forwards requests to the MVC framework through HttpModules and a HttpHandler
- The MVC Framework pipeline is then initialized
- MVC is one possible implementation for handling a request within ASP.NET