

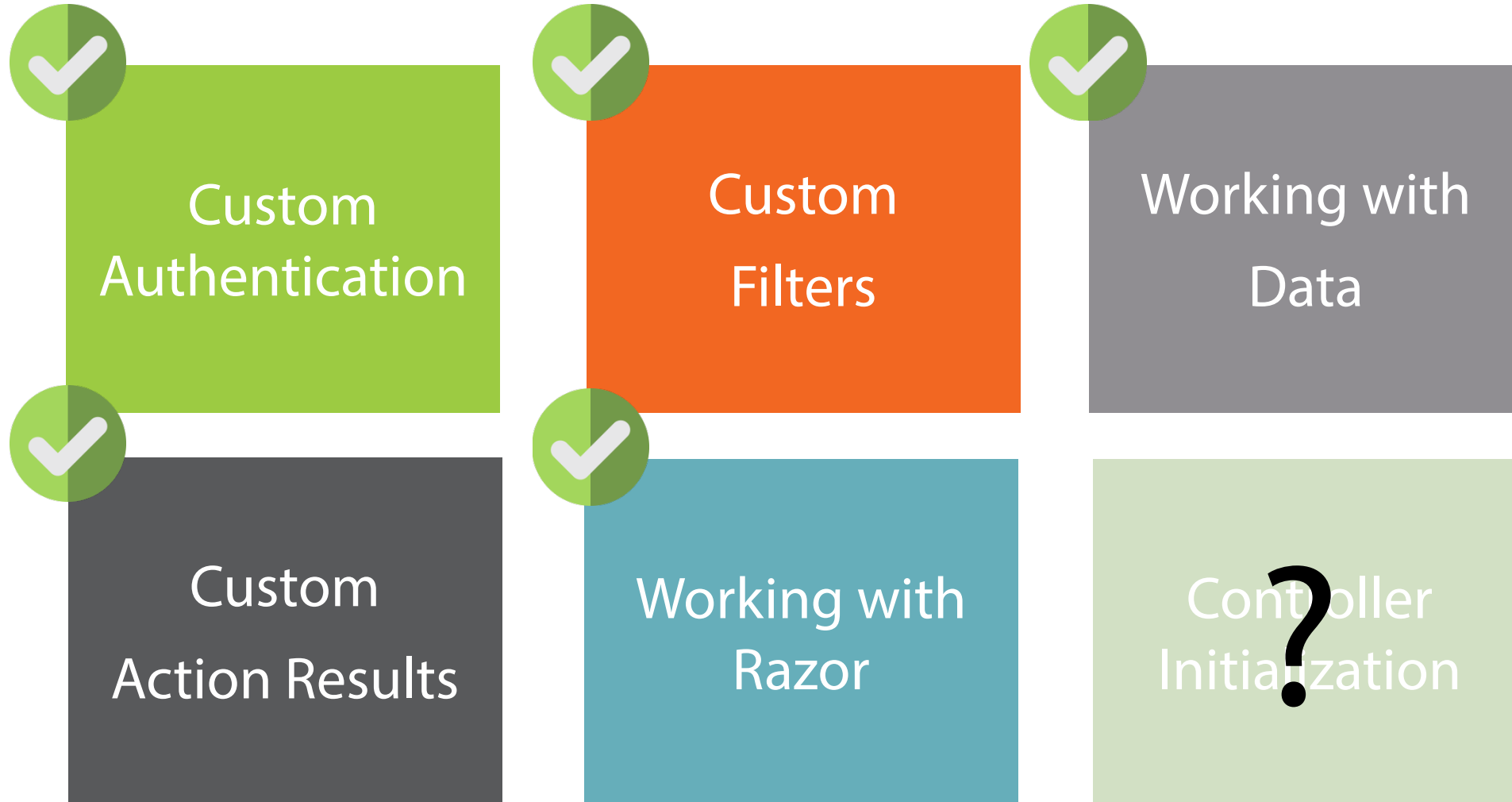
Understanding Controller Initialization



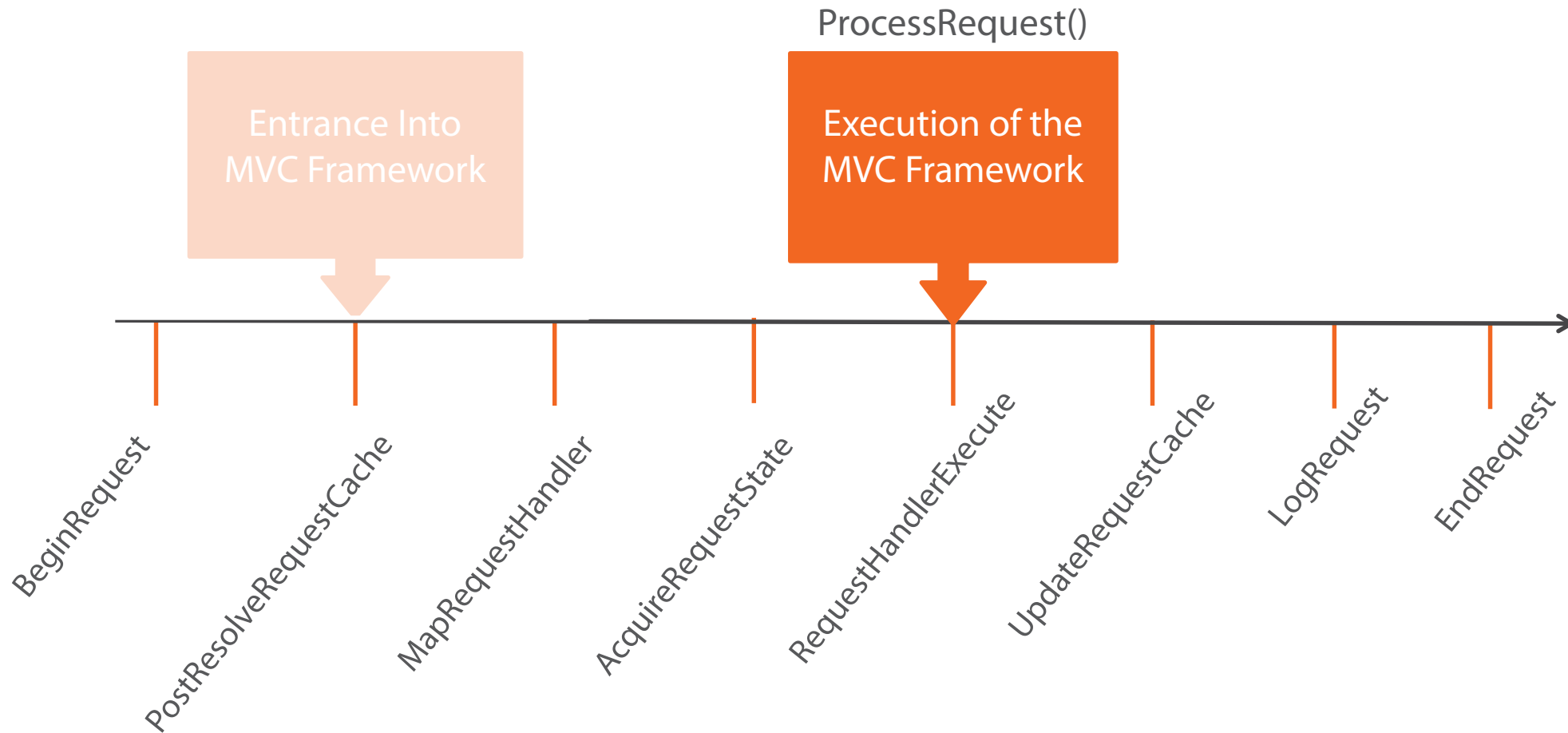
Alex Wolf

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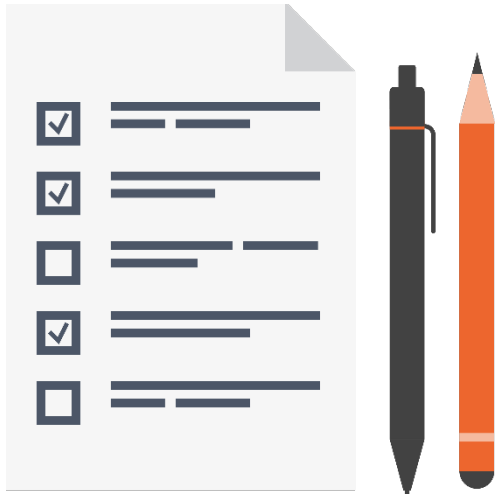
Working with MVC Extension Points



From Entrance to Execution



Module Outline

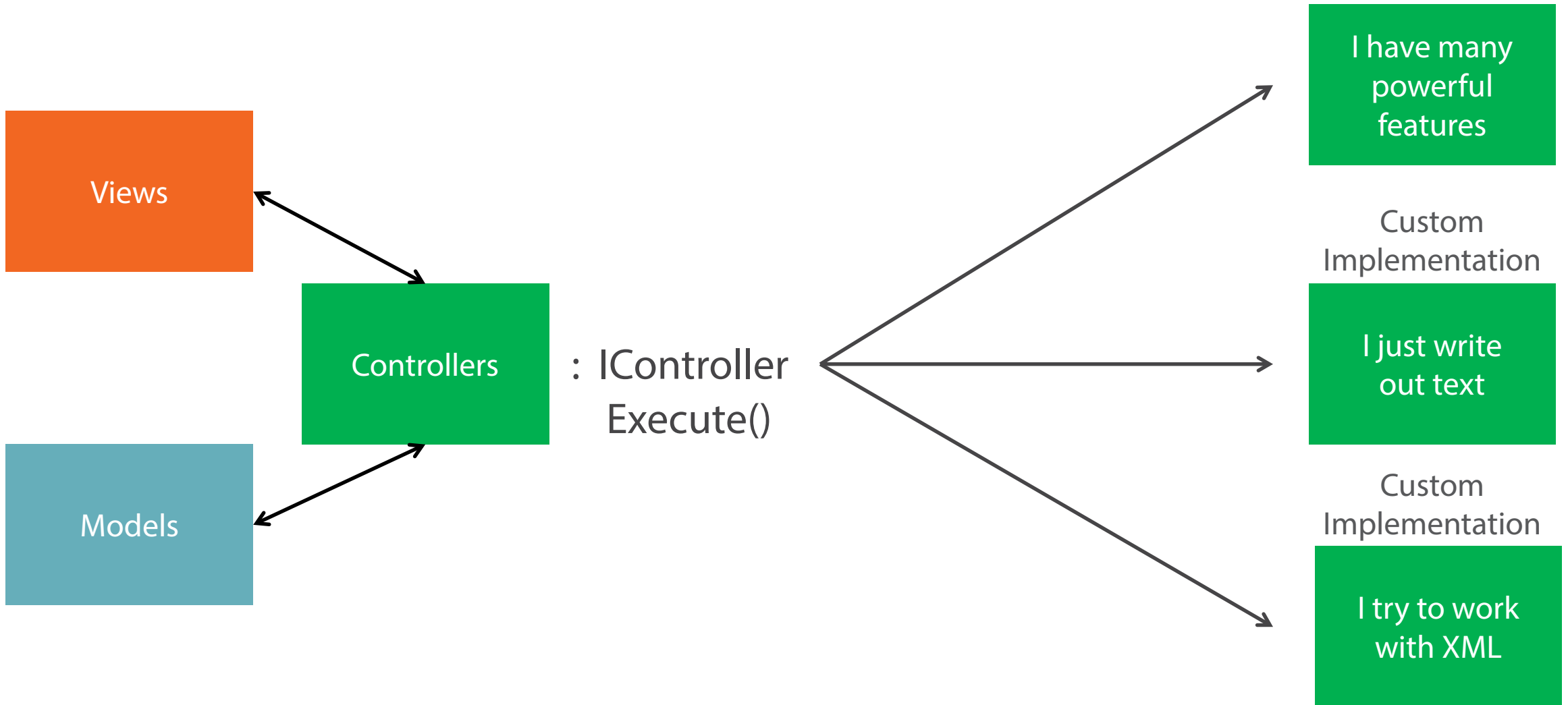


- Controllers and the Request Pipeline
- Working with the Controller Factory
- Understanding the Dependency Resolver

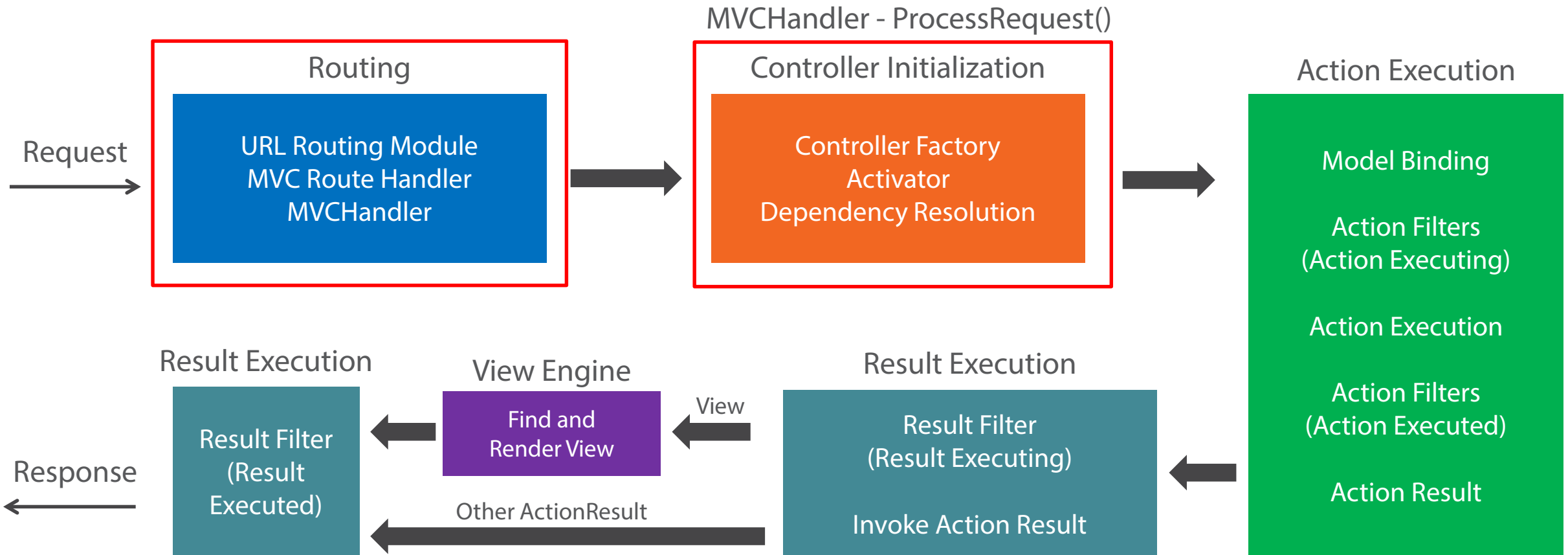


Understanding Controllers and the Life Cycle

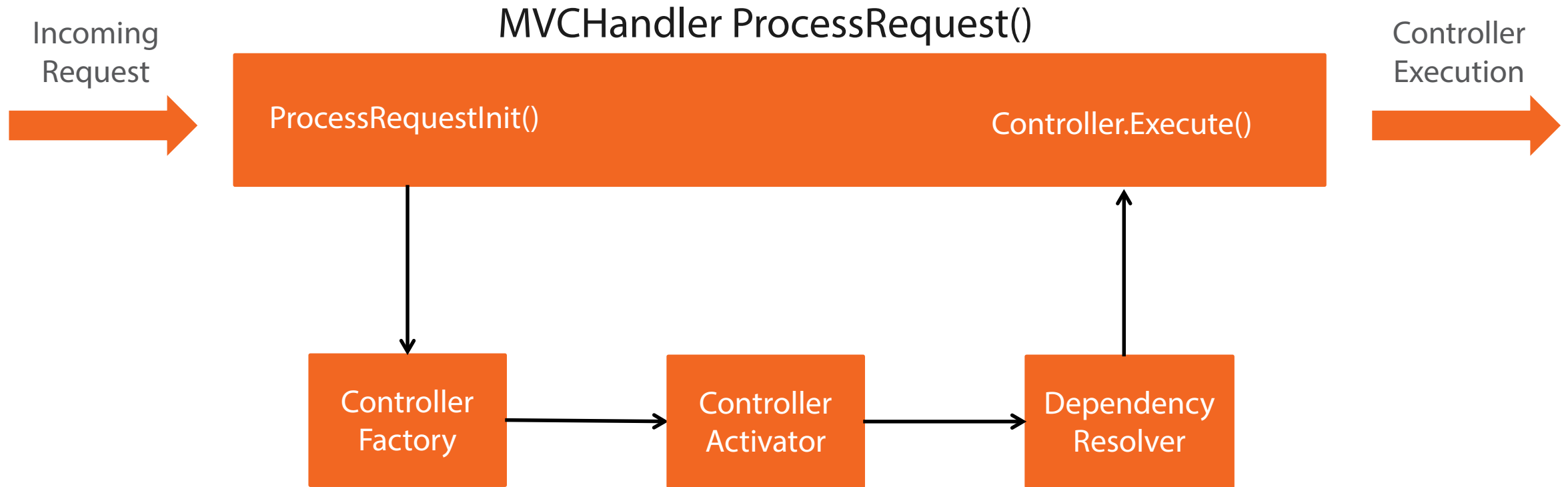
Controller Concepts



The **MVC** Request Life Cycle



Controller Initialization





The Controller Factory

The **ApiControllerFactory** Interface

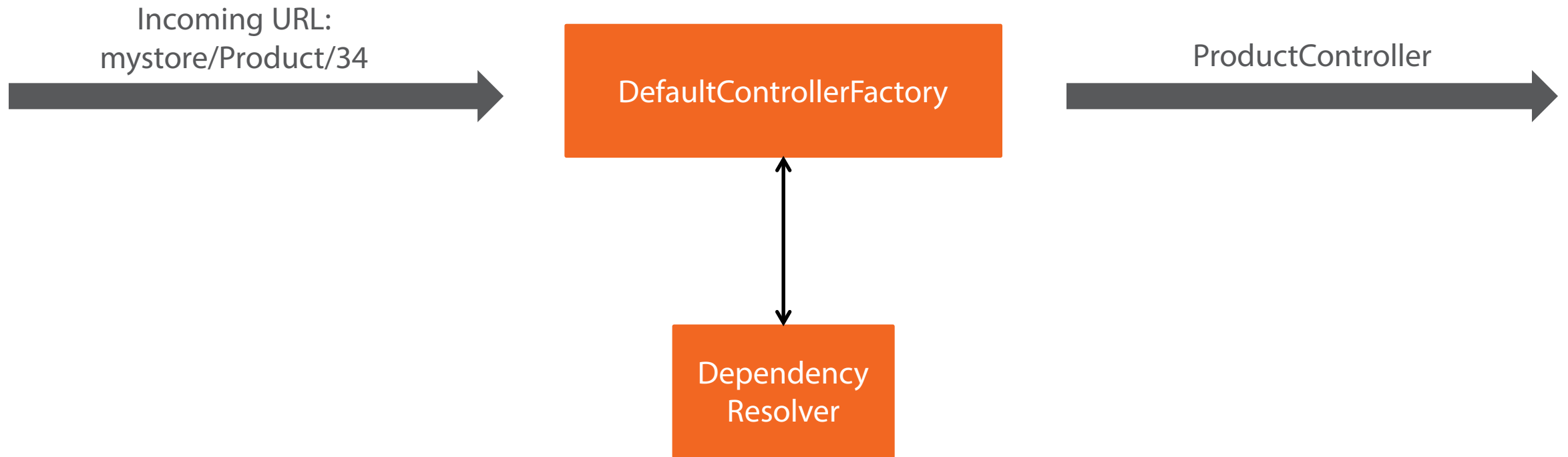


```
public interface ApiControllerFactory
{
    ApiController CreateController(RequestContext requestContext,
    string controllerName)

    SessionStateBehavior GetControllerSessionStateBehavior(RequestContext
    requestContext, string controllerName)

    Void ReleaseController(ApiController controller)
}
```

Features and Conventions





Examining the Dependency Resolver

(Within the scope of this course)

The `IDependencyResolver` Interface

```
public interface IDependencyResolver
{
    Object GetService(Type serviceType)

    IEnumerable<object> GetServices(Type serviceType)
}
```

Summary



- MVCHandler retrieves a controller from the Controller Factory
- MVCHandler calls the Execute() method of the acquired Controller
- The DefaultControllerFactory can use a Dependency Resolver to acquire controller instances
- The Dependency Resolver is extensible