PROJECT-BASED LEARNING

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Spring Boot

Java Introduction

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AGENDA

- ❑ INTERCEPTOR INTRODUCTION
- ❑ ACCESSING LOGGER
- ❑ PREPARING DATA FOR LAYOUT
- ❑ WATCHING LANGUAGE CHANGING

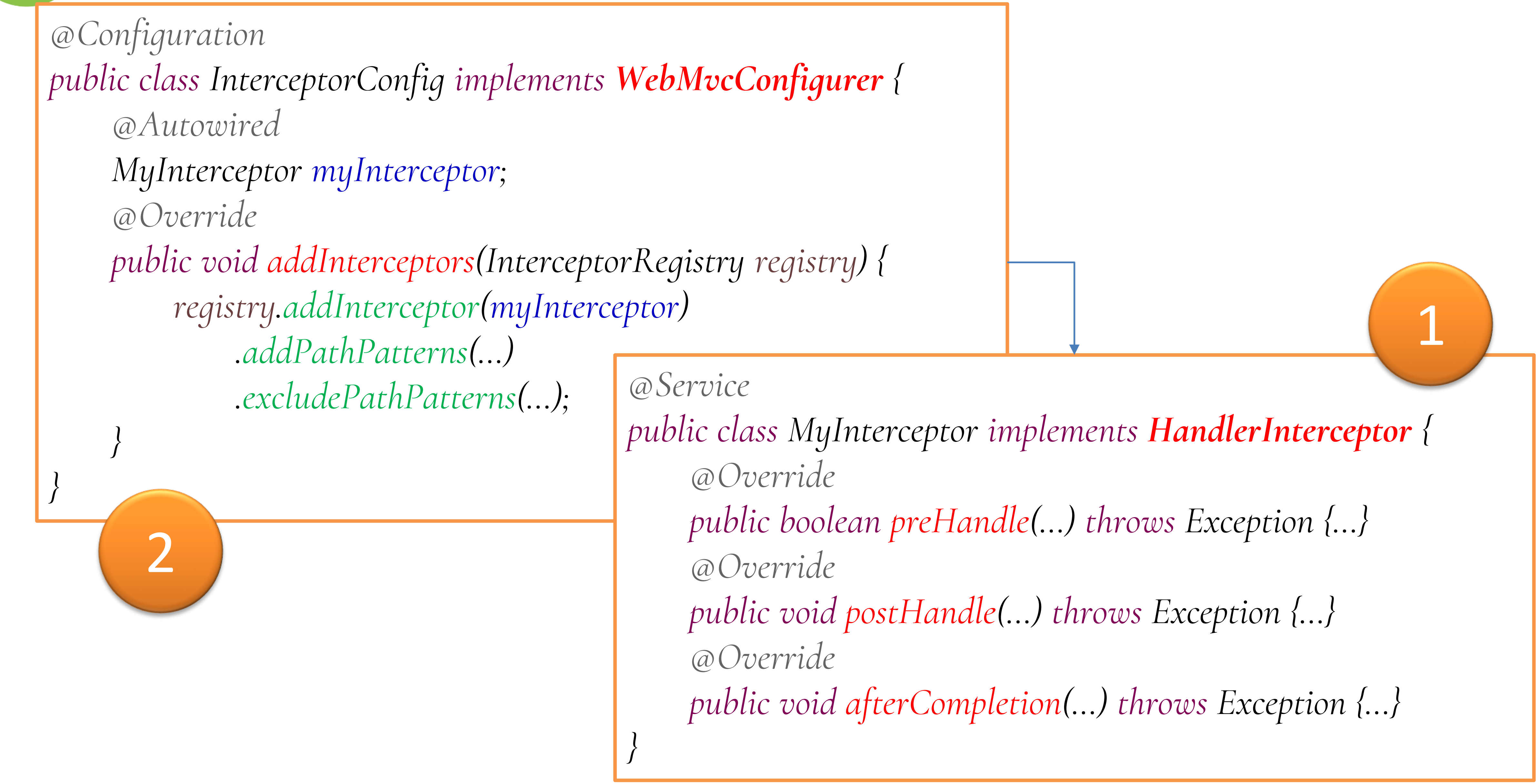
What is Thymeleaf?

Review LocaleChangeInterceptor

```
@Configuration
public class MessageConfig implements WebMvcConfigurer {
    @Override
    public void addInterceptors(InterceptorRegistry registry) {
        LocaleChangeInterceptor localeChange = new LocaleChangeInterceptor();
        localeChange.setParamName("lang");

        registry.addInterceptor(localeChange)
            .addPathPatterns("/**")
            .excludePathPatterns(“/admin/**");
    }
}
```

Xem xét tất cả các url ngoại trừ các url bắt đầu bởi /admin/

Building and Configuring Interceptors



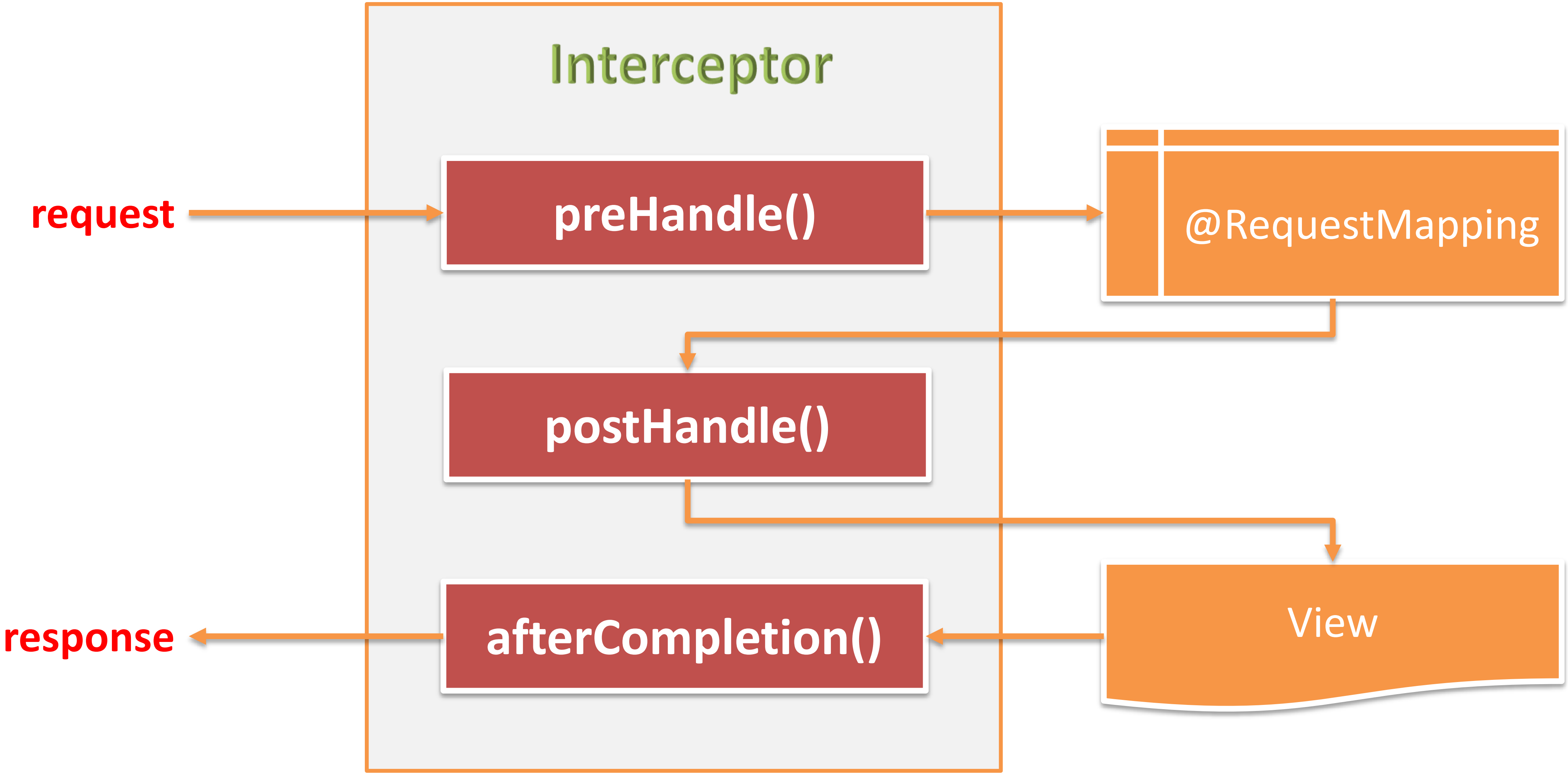
```
@Configuration
public class InterceptorConfig implements WebMvcConfigurer {
    @Autowired
    MyInterceptor myInterceptor;
    @Override
    public void addInterceptors(InterceptorRegistry registry) {
        registry.addInterceptor(myInterceptor)
            .addPathPatterns(...)
            .excludePathPatterns(...);
    }
}
```

```
@Service
public class MyInterceptor implements HandlerInterceptor {
    @Override
    public boolean preHandle(...) throws Exception {...}
    @Override
    public void postHandle(...) throws Exception {...}
    @Override
    public void afterCompletion(...) throws Exception {...}
}
```

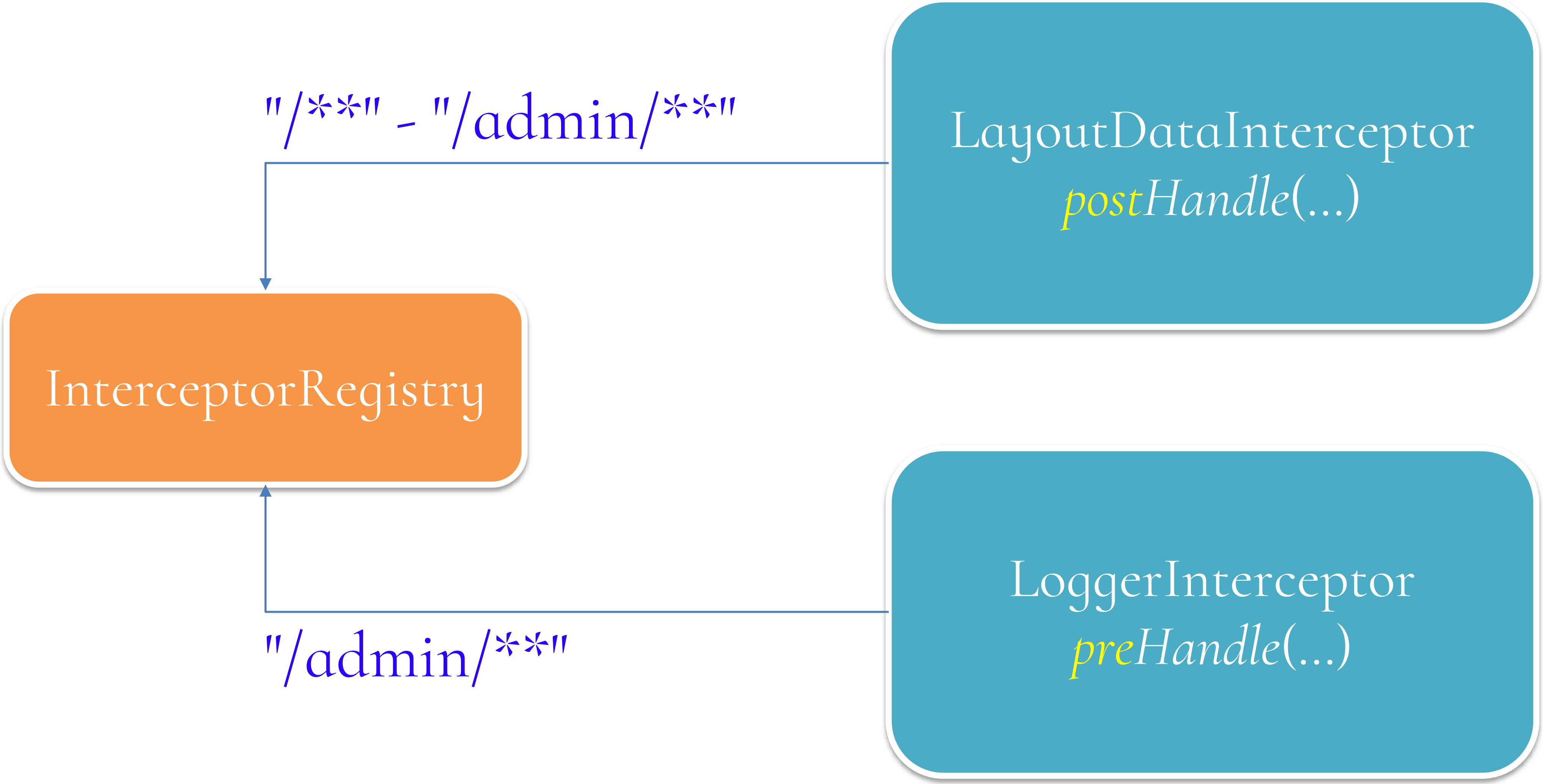
INTERCEPTOR

```
@Service
public class MyInterceptor implements HandlerInterceptor {
    @Override // chạy trước khi đến action method
    public boolean preHandle(HttpServletRequest request, HttpServletResponse response, Object
    handler) throws Exception {
        return true; // false: không chuyển tiếp đến action method
    }

    @Override // chạy sau khi kết thúc action method
    public void postHandle(HttpServletRequest request, HttpServletResponse response, Object
    handler, ModelAndView modelAndView) throws Exception {...}

    @Override // chạy sau khi hoàn thành các công việc của view
    public void afterCompletion(HttpServletRequest request, HttpServletResponse response, Object
    handler, Exception ex) throws Exception {...}
}
```

Interceptor Handling Flow



ỨNG DỤNG INTERCEPTOR



"/**" - "/admin/**"

LayoutDataInterceptor

postHandle(...)

InterceptorRegistry

LoggerInterceptor

preHandle(...)

"/admin/**"

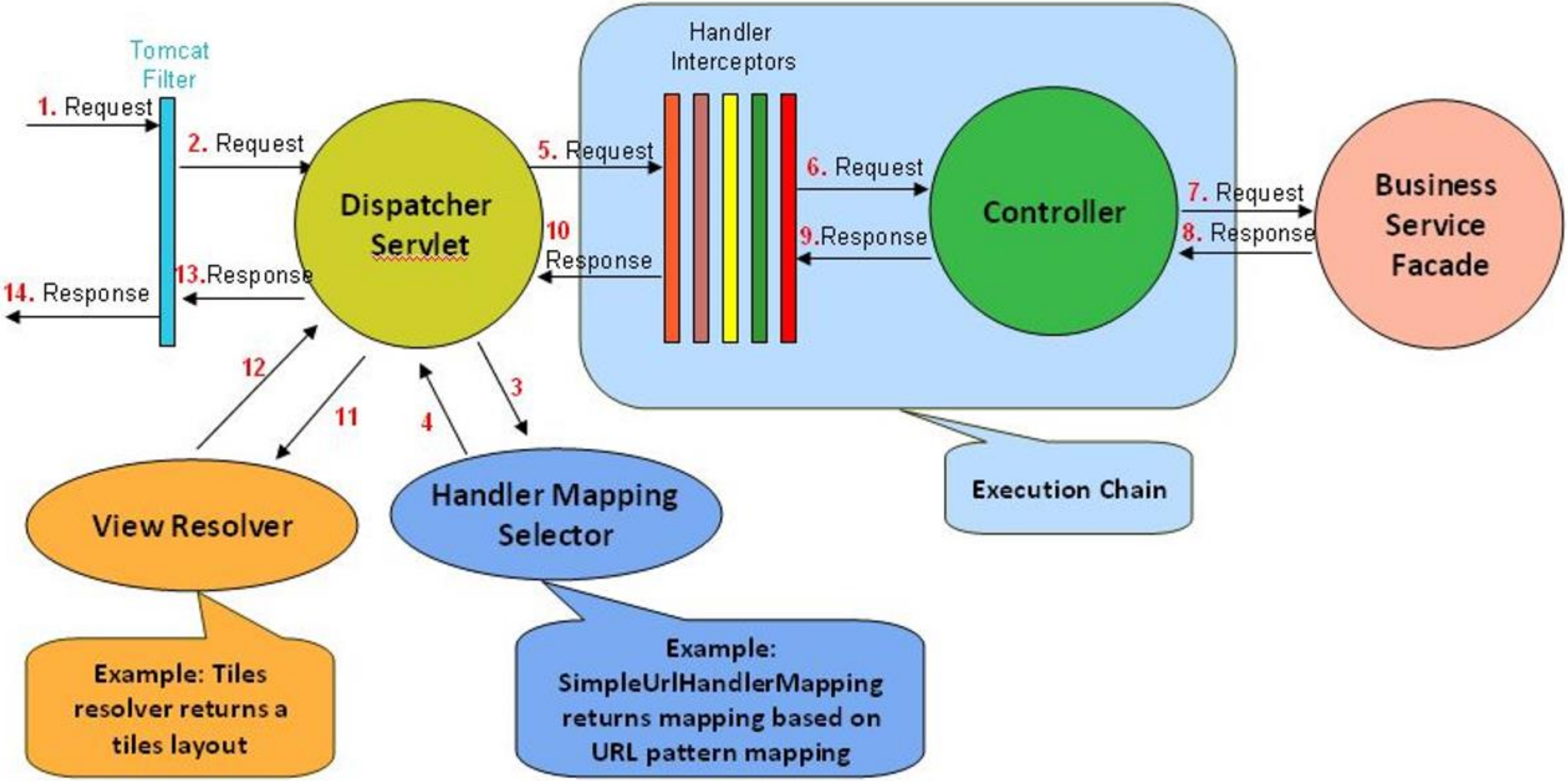
```
@Service
public class LayoutDataInterceptor implements HandlerInterceptor{
    @Autowired
    CategoryDAO dao;
    @Override
    public void postHandle(HttpServletRequest request, HttpServletResponse
    response, Object handler, ModelAndView modelAndView) throws Exception {
        modelAndView.addObject("cates", dao.findAll());
    }
}
```

```
@Service
public class LoggerInterceptor implements HandlerInterceptor{
    @Override
    public boolean preHandle(HttpServletRequest request, HttpServletResponse
    response, Object handler) throws Exception {
        System.out.println(request.getRequestURI());
        return true;
    }
}
```

CONFIGURATION

```
@Configuration
public class InterceptorConfig implements WebMvcConfigurer{
    @Autowired
    LayoutDataInterceptor dataInterceptor;
    @Autowired
    LoggerInterceptor loggerInterceptor;
    @Override
    public void addInterceptors(InterceptorRegistry registry) {
        registry.addInterceptor(dataInterceptor)
            .addPathPatterns("/**")
            .excludePathPatterns("/admin/**");

        registry.addInterceptor(loggerInterceptor)
            .addPathPatterns("/admin/**");
    }
}
```

INTERCEPTOR



Summary

- ☑ Interceptor
- ☑ Logger
- ☑ Data for Layout
- ☑ Locale Changing

Thank you