第 2 章: SpringBoot 整合 Web

1.1 本章大纲

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1.2 整合 Servlet

1.2.1 方法一: 通过注解扫描完成 Servlet 组件注册

1.2.1.1 编写 servlet

```
@WebServlet("/index")
public class IndexServlet extends HttpServlet{

    @Override
    protected void doGet(HttpServletRequest req, HttpServletResponse resp)
    // TODO Auto-generated method stub
    System.out.println("执行 doGet()方法");
}
```

1.2.1.2 编写启动类

```
@SpringBootApplication
@ServletComponentScan//扫描servlet
public class Springboot@2ServletApplication {
    public static void main(String[] args) {
        SpringApplication.run(Springboot@2ServletApplication.class, args);
    }
}
```

1.2.2 方法二: 通过方法完成 Servlet 组件的注册

1.2.2.1 编写 servlet

```
@WebServlet("/index")
public class IndexServlet extends HttpServlet{

    @Override
    protected void doGet(HttpServletRequest req, HttpServletResponse resp)
    // TODO Auto-generated method stub
    System.out.println("执行 doGet()方法");
}
```

1.2.2.2 编写启动类

```
@Bean
public ServletRegistrationBean getServletRegistrationBean() {
    ServletRegistrationBean bean = new ServletRegistrationBean(new IndexServlet());
    //注册路径
    bean.addUrlMappings("/index");
    return bean;
}
```

1.3 整合 Filter

1.3.1 方法一: 通过注解扫描完成 Filter 组件注册

1.3.1.1 编写 filter

1.3.1.2 编写启动类

```
@SpringBootApplication
@ServletComponentScan//扫描servlet
public class Springboot@2ServletApplication {

    public static void main(String[] args) {

        SpringApplication.run(Springboot@2ServletApplication.class, args);
    }
}
```

1.3.2 方法二: 通过方法完成 Filter 组件的注册

1.3.2.1 编写 filter

1.3.2.2 编写启动类

```
@Bean
public FilterRegistrationBean getFilterRegistrationBean() {
    FilterRegistrationBean bean = new FilterRegistrationBean(new TestFilter());
    //过滤过个路径
    //bean.addUrlPatterns(new String[] {"*.do,*.jsp"});
    //过滤单个路径
    bean.addUrlPatterns("/index");
    return bean;
}
```

1.4 整合 Listener

1.4.1 方法一: 通过注解扫描完成 Listener 组件注册

1.4.1.1 编写 Listener

1.4.1.2 编写启动类

```
@SpringBootApplication
@ServletComponentScan//扫描servlet
public class Springboot@2ServletApplication {

    public static void main(String[] args) {

        SpringApplication.run(Springboot@2ServletApplication.class, args);
    }
}
```

1.4.2 方法二: 通过方法完成 Listener 组件的注册

1.4.2.1 编写 Listener

```
public class TestListener implements ServletContextListener{
    @Override
    public void contextInitialized(ServletContextEvent sce) {
        // TODO Auto-generated method stub
        System.out.println("监听器初始化.....");
    }

    @Override
    public void contextDestroyed(ServletContextEvent sce) {
        // TODO Auto-generated method stub
        System.out.println("监听器已销毁....");
    }
```

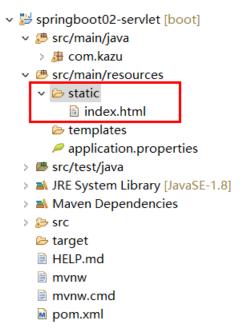
1.4.2.2 编写启动类

```
@Bean
public ServletListenerRegistrationBean<TestListener> getServletListenerRegistrationBean(){
    ServletListenerRegistrationBean<TestListener> bean = new ServletListenerRegistrationBean<>(new TestListener());
    return bean;
}
```

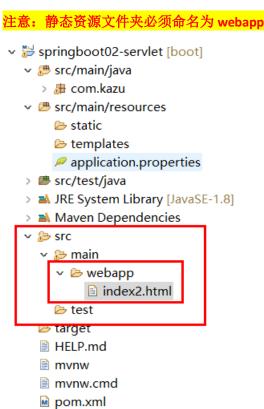
1.5 访问静态资源

1.5.1 static 目录

注意: 静态资源文件夹必须命名为 static



1.5.2 webapp 目录



1.6 文件上传

1.6.1 编写文件上传 Controller

1.6.2 编写 application.properties 文件

#设置单个上传文件的大小

spring.http.multipart.maxFileSize=200MB #设置一次请求上传文件的总容量 spring.http.multipart.maxRequestSize=200MB