Recommended Approach: Servlet Filter

You can create a custom Filter to escape HTML in all request parameters. This filter will intercept every request and sanitize parameter values using Spring’s HtmlUtils.htmlEscape() utility[5](https://docs.spring.io/spring-framework/docs/current/javadoc-api/org/springframework/web/util/HtmlUtils.html).

java

**import** org.springframework.web.util.HtmlUtils;

**import** javax.servlet.\*;

**import** javax.servlet.http.\*;

**import** java.io.IOException;

**import** java.util.\*;

**public** **class** HtmlEscapeFilter **implements** Filter {

@Override

**public** **void** doFilter(ServletRequest request, ServletResponse response, FilterChain chain)

**throws** IOException, ServletException {

chain.doFilter(**new** HtmlEscapedRequestWrapper((HttpServletRequest) request), response);

}

**private** **static** **class** HtmlEscapedRequestWrapper **extends** HttpServletRequestWrapper {

**public** HtmlEscapedRequestWrapper(HttpServletRequest request) {

**super**(request);

}

@Override

**public** String getParameter(String name) {

String value = **super**.getParameter(name);

**return** value != **null** ? HtmlUtils.htmlEscape(value) : **null**;

}

@Override

**public** String[] getParameterValues(String name) {

String[] values = **super**.getParameterValues(name);

**if** (values == **null**) **return** **null**;

**return** Arrays.stream(values)

.map(v -> v != **null** ? HtmlUtils.htmlEscape(v) : **null**)

.toArray(String[]::**new**);

}

}

}

Register this filter as a Spring bean.

java

**import** org.springframework.boot.web.servlet.FilterRegistrationBean;

**import** org.springframework.context.annotation.Bean;

**import** org.springframework.context.annotation.Configuration;

@Configuration

**public** **class** FilterConfig {

@Bean

**public** FilterRegistrationBean<HtmlEscapeFilter> htmlEscapeFilter() {

FilterRegistrationBean<HtmlEscapeFilter> registrationBean = **new** FilterRegistrationBean<>();

registrationBean.setFilter(**new** HtmlEscapeFilter());

registrationBean.addUrlPatterns("/\*");

**return** registrationBean;

}

}