

Q30 - Annotation Servlets Definition [4]

Considering the following Servlet code, choose the statements which are true:

```
package com.nullhaus;

import javax.servlet.annotation.*;
import javax.servlet.http.*;

@WebServlet(urlPatterns = {"/nullServlet"}, value="/numeroDuo")
public class NullServlet extends HttpServlet {
}
```

- a. This is a valid usage of `@WebServlet` annotation which runs fine
- b. This is an invalid usage of `@WebServlet` annotation, because of the wrongly formed `url-pattern` value
- c. This is an invalid usage of `@WebServlet` annotation, because there is a `urlPattern` attribute - not `urlPatterns`
- d. This is an invalid usage of `@WebServlet` annotation, because the `urlPatterns` and `value` attributes cannot be defined together
- e. This code doesn't compile

Hide answer

d

Reference: page 62, 8.1.1 "`@WebServlet`"

Explanation: The `urlPatterns` and `value` attributes are **required**, but **only one of them** can be present in the `@WebServlet` annotation. The specification suggest using the default `value` attribute, when this is the only attribute in the annotation, and `url-patterns` if there are more attributes in the annotation.