

## Q15 - Filter mapping

Consider the below filter-mapping definition in the Deployment Descriptor:

```
<filter>
  <filter-name>MyFilter 1</filter-name>
  <filter-class>com.nullhaus.MyFilter</filter-class>
</filter>
<filter-mapping>
  <filter-name>MyFilter 1</filter-name>
  <url-pattern>/bar/*</url-pattern>
  <servlet-name>YourServlet</servlet-name>
  <url-pattern>/baz/*</utl-pattern>
</filter-mapping>
```

What is true about the above DD snippet, assuming that MyFilter 1 is valid and runs without a grasp:

- a. this DD is valid
- b. this DD is valid but will throw a runtime exception when "Myfilter 1" url pattern will be matched
- c. this DD is invalid, because there can't be a `<servlet-name>` element in `<filter-mapping>`
- d. this DD is invalid, because there can't be a `<servlet-name>` element together with `<url-mapping>` element in `<filter-mapping>`
- e. this DD is invalid, because there can't be more than one `<url-pattern>` element in `<filter-mapping>`

Hide answer

a

Reference: page 50, 6.2.4 "Configuration of Filters in Web Application"

Explanation: There **can** be multiple `<url-pattern>` and `<servlet-name>` elements in one `<filter-mapping>` element. The order of such combination of elements is standard, which means that first the url-pattern hits are executed in the order in which they appear in DD **followed by** the `<servlet-name>` hits are executed in order in which they appear in the DD.