

Q24 - Web Fragments Scanning [4]

What will be the order in which the container will scan and combine web fragments to form the effective Deployment Descriptor (attributes for `<web-app>` and `<web-fragment>` intentionally omitted; assume the default values):

web.xml

```
<web-app metadata-complete="true">
  <absolute-ordering>
    <name>Fragment 1</name>
    <name>Fragment 2</name>
  </absolute-ordering>
</web-app>
```

web-fragment.xml

```
<web-fragment>
  <name>Fragment 1</name>
  <ordering>
    <after>Fragment 2</after>
  </ordering>
</web-fragment>
```

web-fragment.xml

```
<web-fragment>
  <name>Fragment 2</name>
</web-fragment>
```

- a. web.xml, Fragment 1, Fragment 2
- b. web.xml, Fragment 2, Fragment 1
- c. Fragment 1, Fragment 2, web.xml
- d. Fragment 2, Fragment 1, web.xml
- e. web.xml
- f. At least one of the above Deployment Descriptors is invalid and will thrown a runtime exception

Hide answer

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Reference: page 66, 8.2.2 "Ordering of web.xml and web-fragment.xml"

Explanation: If the `metadata-complete` attribute is present in the `web.xml` and it is set to **true**, it informs the container that the whole Deployment Descriptor data is complete and is presented in the `web.xml`. Therefore no `web-fragment.xml` files should be scanned, and no annotations should be taken under consideration.

The default value of the `metadata-complete` attribute is **false** which means that both the `web-fragment.xml` files should be scanned and the annotations should be combined into the final DD.