

# State Management Quiz

**Can post requests be bookmarked? What are the problems?**

No , because It may have some data in the body , so when bookmark it , it will not bookmark with this data

**What is the purpose of request dispatching?**

It responsible to forward the request to another servlet

**What is the difference between redirect and request dispatch?**

Redirect is meaning to server sends HTTP status code 3xx to client along with the redirect URL (usually 302 temporary redirect) , client then sends a new request to the URL , address bar will change to new URL

**What is an attribute ?**

Attribute is the data that is used to share information in a web app

**What is the difference between attributes and parameters?**

Parameters may come into our application **from the client request** , **Attributes** are objects that are attached to various scopes and can be modified

**What are dangers of using attributes?**

To not be thread safe , global

**What does it mean to say that http is stateless? Give an example of a stateful protocol .**

That's mean that it can't remember the previous requests , FTP is stateful protocol

**Give 5 different methods for maintaining state information (count each attribute scope as one method).**

1. request scope: destroyed when servlet finishes processing request
2. session scope: destroyed when user closes browser
3. application scope destroyed when Container stopped.
4. Cookies saved on browser, temporary (deleted when the browser closes)  
permanent
5. Hidden fields on a form

**How long does a session last?**

It depend on the code that is written , or by default it's long time , or until the developer decide to invalidate it

**What is a cookie, and how long does a cookie last?**

Cookies are small files which are stored on a user's computer. They are designed to hold a modest amount of data specific to a particular client and website, The time of expiry of a cookie can be set when the cookie is created. By default the cookie is destroyed when the current browser window is closed, but it can be made to persist for an arbitrary length of time after that.

**What is the purpose of URL rewriting?**

can be employed as a convenience by a Web server administrator, or for nefarious purposes by a hacker. An example of the constructive use of this technique is allowing an Internet user to access a Web site that has a complicated URL by entering a simpler URL into the address bar of a Web browser. The URL manipulation redirects the request so the user does not have to remember, manually enter, or meticulously cut and paste a long, arcane character string. An example of malicious URL manipulation is its implementation, without the knowledge of the affected server administrator or Internet user, for the purpose of redirecting user requests from a legitimate site to an illegitimate site. The bogus site may then install rogue code on the user's hard drive.

Why does the request attribute report 'null' for the maintaining state demo?