

Session Tracking with JSP



Topics

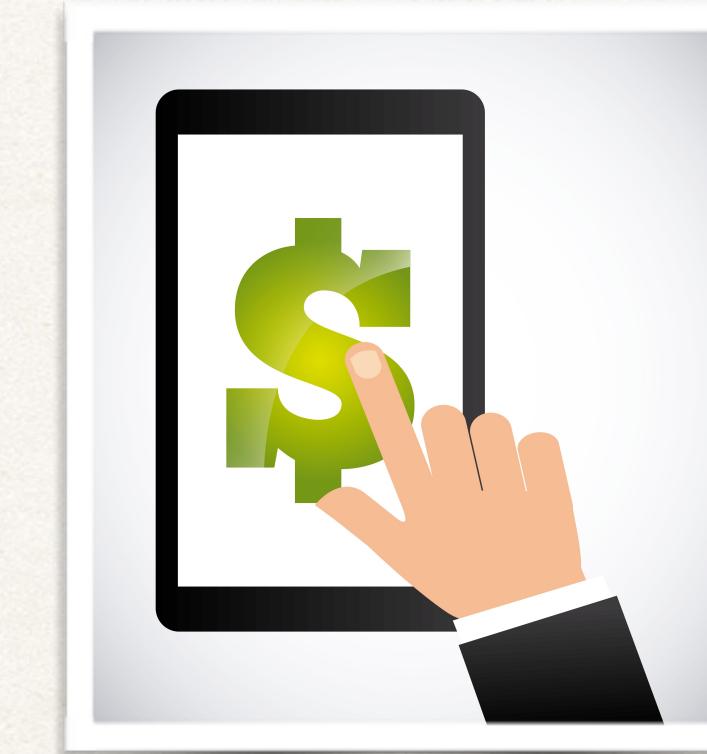
- Session Tracking Demo
- Session - Coding Steps
- Full JSP Session Example

JSP session object

- ❖ JSP session is created once for user's browser session. Unique for this user.
- ❖ Commonly used when you need to keep track of the user's actions



Shopping Cart



Online Banking



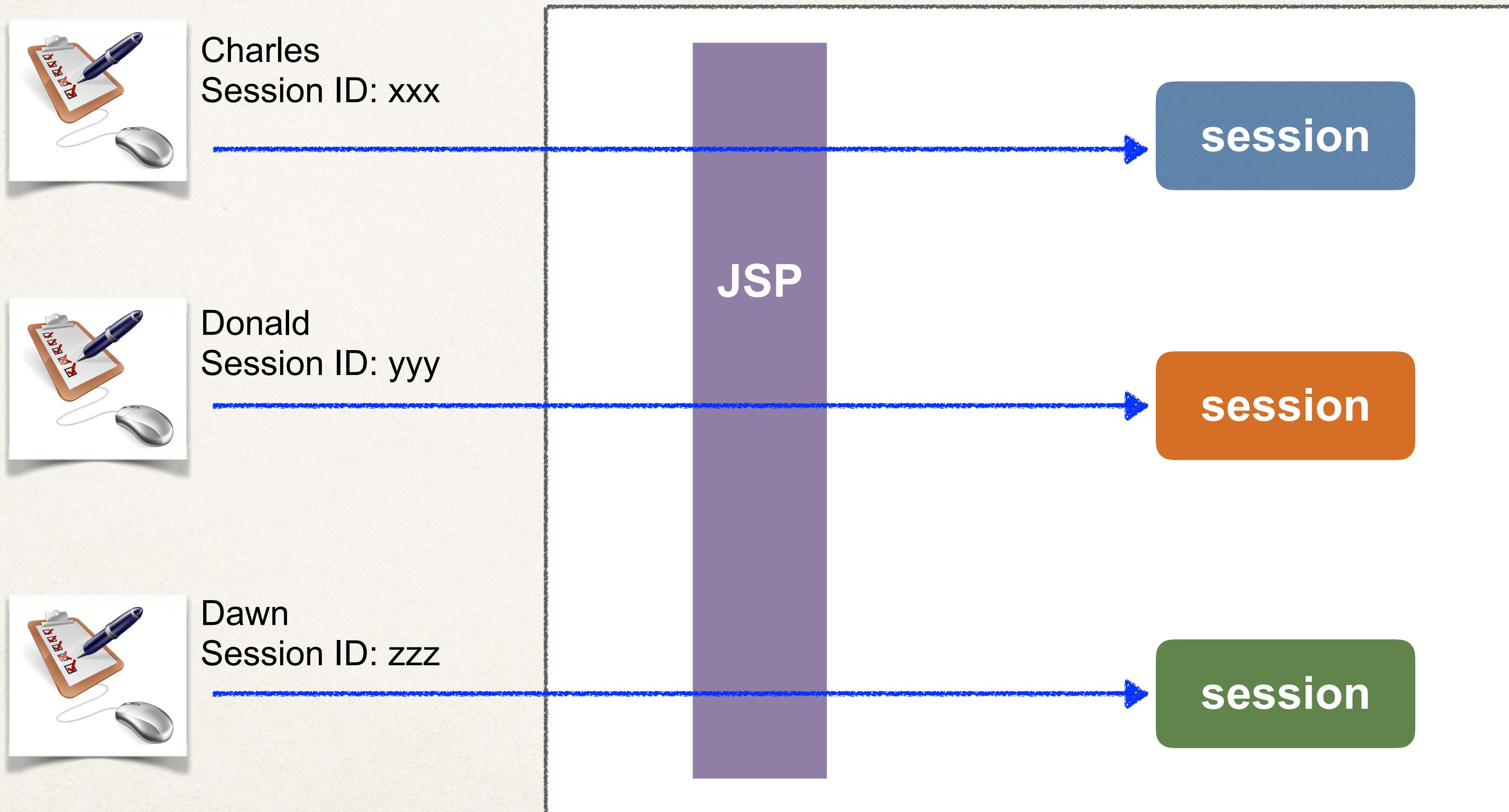
Online Exam

Session Demo Example

- ❖ JSP page to manage a TO DO list
- ❖ List of items will be stored in the user's session object
- ❖ Each user will have their own TO DO list

Big Picture

Java App Server - Tomcat (memory)



Add data to session object

Method signature

```
session.setAttribute(String name, Object value)
```

Code example

```
List<String> items = new ArrayList<>();  
session.setAttribute("myToDoList", items);
```

Retrieve data from session object

Method signature

Object session.getAttribute(String name)

Code example

List<String> myStuff = (List<String>) session.getAttribute("myToDoList");

JSP Session - Other useful methods

Method	Description
<code>isNew() : boolean</code>	Returns true if the session is new
<code>getId() : String</code>	Returns the session id
<code>invalidate() : void</code>	Invalidates this session and unbinds any object associated with it
<code>setMaxInactiveInterval(long mills) : void</code>	Sets the idle time for a session to expire. The value is supplied in milliseconds

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