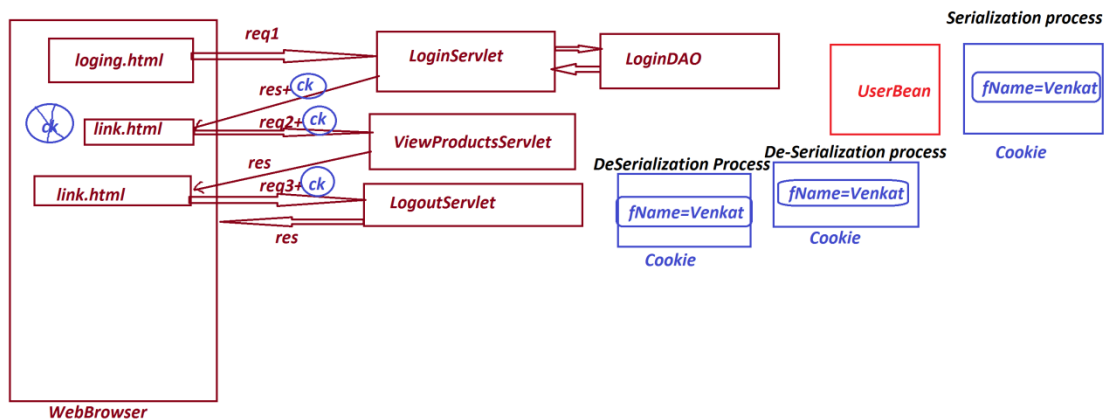


Dt : 2/6/2022

Diagram:



Dis-Advantage of Cookie is Session Tracking process:

=>Cookies are stored in WebBrowser to track the user, which means Cookies are browser dependent or Client dependent.

=>If any changes occurred in WebBrowser related to Cookies, then Cookie related applications will not work.

\*imp

(b) HttpSession:

=>'HttpSession' is an interface from javax.servlet.http package and which is used in Session tracking process.

=>The following are some important methods from HttpSession:

```
public abstract javax.servlet.ServletContext getServletContext();
```

***public abstract javax.servlet.http.HttpSessionContext getSessionContext();***

***public abstract void setAttribute(java.lang.String, java.lang.Object);***

***public abstract java.lang.Object getAttribute(java.lang.String);***

***public abstract void removeAttribute(java.lang.String);***

***public abstract java.util.Enumeration<java.lang.String> getAttributeNames();***

***public abstract void putValue(java.lang.String, java.lang.Object);***

***public abstract java.lang.Object getValue(java.lang.String);***

***public abstract java.lang.String[] getValueNames();***

***public abstract void removeValue(java.lang.String);***

***public abstract void invalidate();***

***public abstract boolean isNew();***

**Note:**

**=>In Session tracking process we add attribute to HttpSession Object to track the user.**

**=>we use getSession() method from 'HttpServletRequest' to create the implementation object of 'HttpSession' interface.**

**Method Signature of getSession():**

***public abstract javax.servlet.HttpSession getSession(boolean);***

***public abstract javax.servlet.HttpSession getSession();***

=====

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