**JFSD: A-Z of Back-end and Database Development**

**Day 12 : 18 Aug 24**

Session Tracking :

Session is a collection of http request and response within a particular period of time. By default http is known as state less protocol. Default session time for every server is 3 minute.

1. Cookies : Cookies is a small text file created by server when client send first request to server. Cookies file store in client machine. This file contains lot of information as sessionId, expiry, path etc. when 2nd request pass from client by default request + sessionid also pass.

1st req ----------------🡪

2nd req + cookies file information mainly session id

Client Server

🡨----------1st res + cookies

🡨-------2nd res + cookies

Limitation of cookies.

Client can disable cookies option in browser. When we disable cookies server not able to keep the track about the client.

Cookies is not secure.

1. URL-Rewrite : server side programming they use URL-Rewrite technique. In this technique they append session Id through URL

URL?sessionId=%%%%^^^^@@@@XXXX&&&

This technique support for only Get method not for post..

1. API : HttpSession : it is a interface which provides set of methods which help to keep the track about the session.

In Servlet we need to create the reference of HttpSession

HttpSession hs = request.getSession();

In JSP, they already provided implicit object ie session.

We can navigate from one page to another page with help of response.sendRedirect(“path”);

RequestDispatch rd1 = request.getReqeustDispatcher(“path”)

rd1.include(request,reponse); source + target page ie merge the page

rd1.forward(request,response); we can see the output of only target page.

In this request will not destroy. If we store any value is request scope. Those value we can access only when we are moving from one page to another but it maintain same request. Using forward we can navigate within a application.

response.sendRedirect(“path”); we can see the output of only target page.

It generate new request. Using sendRedirect we can navigate to another application.

If we want to share the data between one page to another page and it generating new request then we can take the help session object.

This object also provide same method as request ie setAttribute(),getAttribute(), removeAttribute();

Old request http://localhost:9090/Product\_Management\_System\_App/ProductViewController