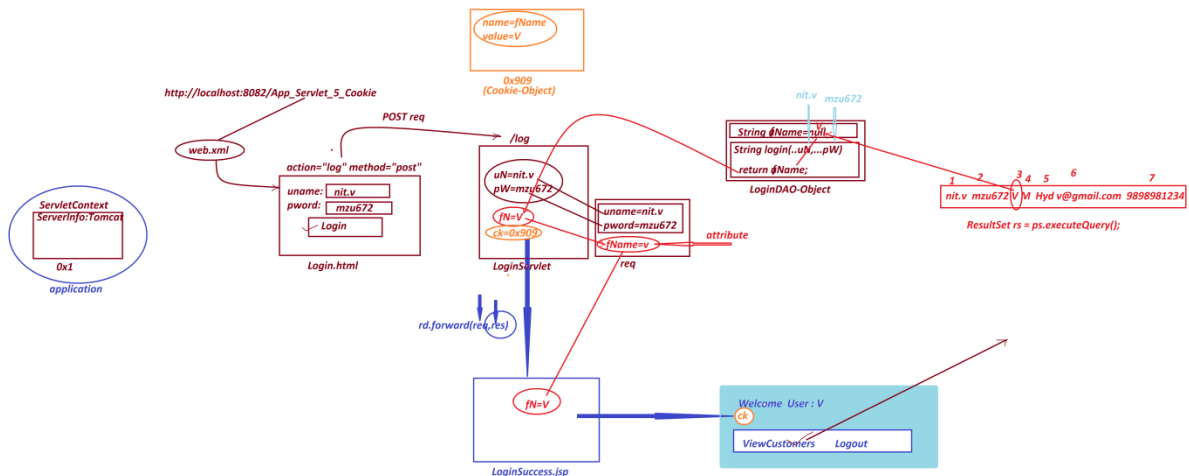*Dt : 22/2/2025*

Ex:(Demonstrating 'Cookie' in Session Tracking Process)

Layout:

DBInfo.java

```java
package test;
public interface DBInfo
{
    public static final String driver="oracle.jdbc.driver.OracleDriver";
    public static final String dbURL="jdbc:oracle:thin:@localhost:1521:xe";
    public static final String dbUName="system";
    public static final String dbPWord="tiger";
}
```

DBConnection.java

```java
package test;
import java.sql.*;
public class DBConnection
{
    private static Connection con = null;
    private DBConnection() {}
    static
    {
      try {
            Class.forName(DBInfo.driver);
            con = DriverManager.getConnection
                        (DBInfo.dbURL,DBInfo.dbUName,DBInfo.dbPWord);
      }catch(Exception e) {
            e.printStackTrace();
```

```java
      }
    }//end of block
    public static Connection getCon()
    {
      return con;
    }
}
```

Login.html

```html
<!DOCTYPE html>
<html>
<head>
<meta name="viewport" content="width=device-width, initial-scale=1">
<style>
body {font-family: Arial, Helvetica, sans-serif;}
form {border: 3px solid #f1f1f1;}

input[type=text], input[type=password] {
  width: 100%;
  padding: 12px 20px;
  margin: 8px 0;
  display: inline-block;
  border: 1px solid #ccc;
  box-sizing: border-box;
}

button {
  background-color: #04AA6D;
  color: white;
  padding: 14px 20px;
  margin: 8px 0;
  border: none;
  cursor: pointer;
  width: 100%;
}

button:hover {
  opacity: 0.8;
}

.cancelbtn {
  width: auto;
  padding: 10px 18px;
  background-color: #f44336;
}

.imgcontainer {
  text-align: center;
```

```
    margin: 24px 0 12px 0;
}

img.avatar {
  width: 40%;
  border-radius: 50%;
}

.container {
  padding: 16px;
}

span.psw {
  float: right;
  padding-top: 16px;
}

/* Change styles for span and cancel button on extra small screens */
@media screen and (max-width: 300px) {
  span.psw {
     display: block;
     float: none;
  }
  .cancelbtn {
     width: 100%;
  }
}
</style>
</head>
<body>

<h2>Login Form</h2>

<form action="log" method="post">
  <div class="imgcontainer">
    <img src="C:\Images\img501.jpg" alt="Avatar" class="avatar">
  </div>

  <div class="container">
    <label for="uname"><b>Username</b></label>
    <input type="text" placeholder="Enter Username" name="uname" required>

    <label for="psw"><b>Password</b></label>
    <input type="password" placeholder="Enter Password" name="pword"
required>

    <button type="submit">Login</button>
    <label>
      <input type="checkbox" checked="checked" name="remember"> Remember me
    </label>
```

```html
    </div>

    <div class="container" style="background-color:#f1f1f1">
      <button type="button" class="cancelbtn">Cancel</button>
      <span class="psw">Forgot <a href="#">password?</a></span>
    </div>
</form>

</body>
</html>
```

web.xml

```xml
<?xml version="1.0" encoding="UTF-8"?>
<web-app>
  <welcome-file-list>
     <welcome-file>Login.html</welcome-file>
  </welcome-file-list>
</web-app>
```

LoginDAO.java

```java
package test;
import java.sql.*;
public class LoginDAO
{
    public String fName=null;
    public String login(String uN,String pW)
    {
      try {
            Connection con = DBConnection.getCon();
            PreparedStatement ps = con.prepareStatement
                        ("select * from Admin70 where uname=? and pword=?");
            ps.setString(1, uN);
            ps.setString(2, pW);
            ResultSet rs = ps.executeQuery();
            if(rs.next()) {
                  fName = rs.getString(3);
            }
      }catch(Exception e) {
            e.printStackTrace();
      }
      return fName;
    }
}
```

LoginServlet.java

```java
package test;

import java.io.*;

import jakarta.servlet.*;

import jakarta.servlet.http.*;

import jakarta.servlet.annotation.*;

@SuppressWarnings("serial")

@WebServlet("/log")

public class LoginServlet extends HttpServlet

{

        @Override

    protected void doPost(HttpServletRequest req,HttpServletResponse res)throws

    ServletException,IOException

    {

            String uN = req.getParameter("uname");

            String pW = req.getParameter("pword");

            String fN = new LoginDAO().login(uN, pW);

            if(fN==null) {

                    req.setAttribute("msg","Invalid Login Process...<br>");

                    req.getRequestDispatcher("Msg.jsp").forward(req, res);

            }else {

                    req.setAttribute("fName", fN);

                    Cookie ck = new Cookie("fname",fN);

                    res.addCookie(ck);//Adding Cookie Object to response

                    req.getRequestDispatcher("LoginSuccess.jsp").forward(req, res);

            }
```

```
    }

}
```

LoginSuccess.jsp

```jsp
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"
    %>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<%
String fN = (String)request.getAttribute("fName");
out.println("Welcome User : "+fN+"<br>");
%>
<a href="cview">ViewCustomers</a>
<a href="Logout">Logout</a>
</body>
</html>
```