

## Exercise – 7

### Profile Servlet using Session and MySQL

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#### Output And Code:

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#### LOGIN

Username

[Logout](#)

Password

Login

← → ↻ 📑 📄 M ⋮

Welcome Gayathri!

[View profile in detail!](#)

← → ↻ 📑 📄 M ⋮

Welcome Gayathri to the Profile Page!

Name	Password	Gender	DOB	Phone.No	Address
Gayathri	123456	F	2001-05-07	7356789098	AnnaNagar,Chennai

[Login Page](#)

← → ↻ 📑 📄 M ⋮

#### LOGIN

Username

[Logout](#)

Password

Login

You are successfully logged out!

## Code:

### web.xml

```
<web-app>
<servlet>
<servlet-name>login</servlet-name>
<servlet-class>LoginServlet</servlet-class>
</servlet>
<servlet-mapping>
<servlet-name>login</servlet-name>
<url-pattern>/LoginServlet</url-pattern>
</servlet-mapping>
<servlet>
<servlet-name>profile</servlet-name>
<servlet-class>ProfileServlet</servlet-class>
</servlet>
<servlet-mapping>
<servlet-name>profile</servlet-name>
<url-pattern>/ProfileServlet</url-pattern>
</servlet-mapping>
<servlet>
<servlet-name>logout</servlet-name>
<servlet-class>LogoutServlet</servlet-class>
</servlet>
<servlet-mapping>
<servlet-name>logout</servlet-name>
<url-pattern>/LogoutServlet</url-pattern>
```

```
</servlet-mapping>
</web-app>
```

### **index.html**

```
<!DOCTYPE html>
<html>
<head>
<title>login</title>
</head>
<body>
<span style="text-align:center; display:block;"><h2>LOGIN</h2></span>
<form align="center" name="myForm" action="LoginServlet"
method="post"><span style="text-align:right; display:block;
padding-right:20px;"><a
href='LogoutServlet'>Logout</a></span>
<label for="uname"><b>Username</b></label>
<input type="text" name="uname" ><br><br>
<label for="psw"><b>Password</b></label>
<input type="password" name="psw" ><br><br>
<input type="submit" value="Login">
</form>
</body>
</html>
```

### **LoginServlet.java**

```
import java.io.*;
import jakarta.servlet.*;
import jakarta.servlet.http.*;
import java.sql.*;
import java.util.*;
public class LoginServlet extends HttpServlet
{
public void doPost(HttpServletRequest req,HttpServletResponse res)throws
IOException,ServletException
{
res.setContentType("text/html");
```

```

PrintWriter out=res.getWriter();
String n=req.getParameter("uname");
String p=req.getParameter("psw");
Connection conn=null;
try{
String url="jdbc:mysql://localhost:3306/sample";
String user="root";
String password="Test1234@";
Class.forName("com.mysql.cj.jdbc.Driver");
conn=DriverManager.getConnection(url,user,password);
String msg="select * from admindb where name='"+n+"' and
pw='"+p+"'";
PreparedStatement st=conn.prepareStatement(msg);
ResultSet ress = st.executeQuery();
if(ress.next())
{HttpSession session=req.getSession();
session.setAttribute("name",n);
out.print("<h3>Welcome "+n+"!</h3>");
out.print("<a href='ProfileServlet'>View Profile in
detail</a>");
}
else
{
out.print("invalid credentials");
req.getRequestDispatcher("login.html");
}
out.close();
ress.close();
st.close();
}
catch(SQLException se)
{
se.printStackTrace();
}
catch(Exception e)
{
e.printStackTrace();
}

```

```

}
finally{
try{
if(conn!=null)
{
conn.close();
out.close();
}}
catch(SQLException se)
{
se.printStackTrace();
}
}
}
}

```

### **ProfileServlet.java**

```

import java.io.*;import jakarta.servlet.*;
import jakarta.servlet.http.*;
import java.sql.*;
import java.util.*;
public class ProfileServlet extends HttpServlet
{
public void doGet(HttpServletRequest req,HttpServletResponse res)throws
IOException,ServletException
{
res.setContentType("text/html");
PrintWriter out=res.getWriter();
String n=req.getParameter("uname");
String p=req.getParameter("psw");
Connection conn=null;
try{
String url="jdbc:mysql://localhost:3306/sample";
String user="root";
String password="Test1234@";
Class.forName("com.mysql.cj.jdbc.Driver");

```

```

conn=DriverManager.getConnection(url,user,password);
HttpSession session=req.getSession(false);
if(session!=null){
String name=(String)session.getAttribute("name");
out.print("<h3>Welcome "+name+" to the Profile
Page!</h3><br>");
String msg="select * from admindb where name=?";
PreparedStatement ss=conn.prepareStatement(msg);
ss.setString(1,name);
ResultSet ress=ss.executeQuery();
out.println("<html><body>");
out.println("<table border=1>");
out.println("<tr><th>Name</th><th>Password</th><th>Gender</th><th>DOB</th>
<th>Phone.No</th><th>Address</th><tr>");
String s1,s2,s3,s4,s5,s6;
if(ress.next())
{
s1=ress.getString(1);
s2=ress.getString(2);
s3=ress.getString(3);
s4=ress.getString(4);
s5=ress.getString(5);
s6=ress.getString(6);out.print("<tr><td>" + s1 + "</td><td>" + s2 +
"</td><td>" + s3 + "</td><td>" + s4 + "</td><td>" + s5 + "</td><td>" + s6 +
"</td></tr>");
}
out.println("</table><br>");
out.print("<a href=\"index.html\">Login Page</a>");
out.println("</body></html>");
ress.close();
ss.close();
out.close();
}
}
catch(SQLException se)
{

```

```

se.printStackTrace();
}
catch(Exception e)
{
e.printStackTrace();
}
finally{
try{
if(conn!=null)
{
conn.close();
}}
catch(SQLException se)
{
se.printStackTrace();
}
}
}
}
}

```

### **LogoutServlet.java**

```

import java.io.*;
import jakarta.servlet.*;import jakarta.servlet.http.*;
import java.sql.*;
import java.util.*;
public class LogoutServlet extends HttpServlet
{
public void doGet(HttpServletRequest req,HttpServletResponse res)throws
IOException,ServletException
{
res.setContentType("text/html");
PrintWriter out=res.getWriter();
String n=req.getParameter("uname");
String p=req.getParameter("psw");
Connection conn=null;
try{

```

```
String url="jdbc:mysql://localhost:3306/sample";
String user="root";
String password="Test1234@";
Class.forName("com.mysql.cj.jdbc.Driver");
conn=DriverManager.getConnection(url,user,password);
HttpSession session=req.getSession();
session.invalidate();
out.print("<h3>You are successfully logged out!</h3>");
}
catch(SQLException se)
{
se.printStackTrace();
}
catch(Exception e)
{
e.printStackTrace();
}
finally{
try{
if(conn!=null)
{
conn.close();
}}
catch(SQLException se)
{
se.printStackTrace();
}
}
}
```