**ASSIGNMENT-5**

**UCS 1601 -INTERNET PROGRAMMING**

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**PROFILE SERVLET USING SESSION AND MYSQL**

## WEB.XML

```xml
<web-app>

<servlet>
<servlet-name>Login</servlet-name>
<servlet-class>login</servlet-class>
</servlet>
<servlet-mapping>
<servlet-name>Login</servlet-name>
<url-pattern>/login</url-pattern>
</servlet-mapping>

<servlet>
<servlet-name>Welcome</servlet-name>
<servlet-class>welcome</servlet-class>
</servlet>
<servlet-mapping>
<servlet-name>Welcome</servlet-name>
<url-pattern>/Welcome</url-pattern>
</servlet-mapping>

<servlet>
<servlet-name>Profile</servlet-name>
<servlet-class>profile</servlet-class>
</servlet>
<servlet-mapping>
<servlet-name>Profile</servlet-name>
<url-pattern>/Profile</url-pattern>
</servlet-mapping>

<servlet>
<servlet-name>Logout</servlet-name>
<servlet-class>logout</servlet-class>
```

```xml
</servlet>
<servlet-mapping>
<servlet-name>Logout</servlet-name> <url-pattern>/Logout</url-pattern>
</servlet-mapping>
</web-app>
```

**--Index.html**

```html
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

<!--Bootstrap CSS-->
<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.5.3/dist/css/bootstrap.min.css" integrity="sha384-TX8t27EcRE3e/ihU7zmQxVncDAy5uIKz4rEkgIXeMed4M0jlfIDPvg6uqKI2xXr2" crossorigin="anonymous">

<title>Profile HTML</title>

<link rel="stylesheet" href="static/style1.css">

</head>

<body>
<div class="box">
<img src="static/images/user.png" alt="" width="150" height="150"> </img>
<h2>Login</h2>
<form action="http://localhost:8080/Project4/login" method="POST"> <div class="inputBox">
<!--<label for="Name">User Name</label> -->
<input type="text" id="name" name="name" autofocus="autofocus" placeholder="USER NAME" autocomplete="off" required><br><br>
</div>

<div class="inputBox">
<!--<label for="pass">Password </label> -->
<input type="password" id="pass" name="pass"
```

```html
placeholder="PASSWORD" autocomplete="off" required><br><br>
</div>
<input type="submit" class="submit-btn" value="Login">
</form>
</div>
</body>

</html>
```

## --Login.java

```java
import jakarta.servlet.*;
import jakarta.servlet.http.*;
import java.util.*; import
java.lang.*; import java.io.*;
import java.sql.*;


public class login extends HttpServlet{ public void
doPost(HttpServletRequest request,
HttpServletResponse response)throws ServletException,
IOException{
String JDBC_DRIVER = "com.mysql.jdbc.Driver";
String DB_URL = "jdbc:mysql://localhost:3306/profile";

String USER = "root"; String
PASS = "YASIR@123";

response.setContentType("text/html");
PrintWriter pw = response.getWriter();

String uname = (String)request.getParameter("name");
String pass = request.getParameter("pass");

Connection conn = null;
int flag = 0;

try{ conn =
DriverManager.getConnection(DB_URL,USER,PASS);

String search = "SELECT pass FROM users WHERE
username='"+uname+"'";
Statement stmt = conn.createStatement();

ResultSet rs = stmt.executeQuery(search);
```

```java
if(rs.next()){
String password = rs.getString("pass");
if(password.equals(pass)){
flag = 1;
HttpSession session = request.getSession();
session.setAttribute("name", uname);
response.sendRedirect("/Project4/Welcome");
}
}

if(flag == 0){ pw.println("<script>");
pw.println("alert(\"Wrong UserName or Password!!!\")");
pw.println("location='http://localhost:8080/Project4/'");
pw.println("</script>");
} } catch(Exception
E){
E.printStackTrace();
} pw.close();

}
}
```

## --Welcome.java

```java
import jakarta.servlet.*;
import jakarta.servlet.http.*;
import java.util.*; import
java.lang.*; import java.io.*;

public class welcome extends HttpServlet{
publicvoiddoGet(HttpServletRequestrequest,HttpServletResponse
response)throws ServletException, IOException{

response.setContentType("text/html");
PrintWriter pw = response.getWriter();

pw.println("<html><head><meta charset='utf-8'><meta
name='viewport' content='width=device-width, initial-scale=1,
shrink-to-fit=no'>");
pw.println("<title>Welcome</title>");
pw.println("<style>h1{color:black; margin-left:auto; margin-
right:auto; text-align:center; font-size:
3em;}</style></head>");
pw.print("<body><h1>");
HttpSession session = request.getSession(false);
```

```java
String user = (String)session.getAttribute("name");
pw.print("Welcome "+user); pw.print("</h1><br><br><br>");
pw.println("<center><button style='justify-content: center;
align-content:center;margin-left:auto;margin-right:auto;'><a
href ='/Project4/Profile'>View Profile in
Detail</a></button><center>");
pw.print("</body></html>");
pw.close();

}

}
```

```java
import jakarta.servlet.*;
import jakarta.servlet.http.*;
import java.util.*; import
java.lang.*; import java.io.*;
import java.sql.*;


public class profile extends HttpServlet{
publicvoiddoGet(HttpServletRequestrequest,HttpServletResponse
response)throws ServletException, IOException{

response.setContentType("text/html");
PrintWriter pw = response.getWriter();

HttpSession session = request.getSession();
String user = (String)session.getAttribute("name");

pw.println("<html><head><meta charset='utf-8'><meta
name='viewport' content='width=device-width, initial-scale=1,
shrink-to-fit=no'>");
pw.println("<title>Profile</title>");
pw.println("<style>h1{color:black; margin-left:auto;
margin-right:auto; text-align:center; font-size:
3em;justify-content: space-between;}</style><link
rel='stylesheet' href='static/style2.css'></head>");
pw.print("<body><center><h1>"); pw.print("Profile
Page");
pw.println("<button style='width:10%; justify-content: center;
margin-right: 0px; margin-left:80%;'><a
href='/Project4/Logout'>Log Out</a></button></h1></center>");
if(user != null)
```

```java
{
String JDBC_DRIVER="com.mysql.jdbc.Driver";
String PASS="YASIR@2104";
String USER="root";
String DB_URL="jdbc:mysql://localhost:3306/profile";
Connection conn = null;

try{
conn = DriverManager.getConnection(DB_URL,USER,PASS);
Stringsearch="SELECT*FROMuser_profileWHEREname='"+user+"'";

Statement stmt = conn.createStatement();

ResultSet rs = stmt.executeQuery(search);

rs.next();

pw.print("<table><tr><th>Name</th><td>"+rs.getString("name")+"
</td></tr><tr><th>Age</th><td>"+rs.getString("age")+"</td></tr
><tr><th>About</th><td>"+rs.getString("About")+"</td></tr><tr>
<th>Hometown</th><td>"+rs.getString("hometown")+"<tr><th>Date
Of Birth</th><td>"+rs.getDate("dob")+"</td></tr><tr><th>Marital
Status</th><td>"+rs.getString("Mstatus")+"</td></tr><tr><th>Ge
nder</th><td>"+rs.getString("gender")+"</td></tr><tr><th>Conta
ct</th><td>"+rs.getString("Contact")+"</td></tr></table>");

}catch(Exception E){
E.printStackTrace();
}
}

else{
pw.println("<script>"); pw.println("alert('Session
information not available')");
pw.println("location='http://localhost:8080/Project4/'");
pw.println("</script>");
}
pw.print("</body></html>");
pw.close();


}
}
```

<mark>--logout.java</mark>

```java
import jakarta.servlet.*;
import jakarta.servlet.http.*;
```

```java
import java.util.*; import
java.lang.*; import java.io.*;

public class logout extends HttpServlet{
publicvoiddoGet(HttpServletRequestrequest,HttpServletResponse
response)throws ServletException, IOException{

response.setContentType("text/html");
PrintWriter pw = response.getWriter();

pw.println("<html><head><meta charset='utf-8'><meta
name='viewport' content='width=device-width, initial-scale=1,
shrink-to-fit=no'>");
pw.println("<title>Welcome</title>");
pw.println("<style>h1{color:black; margin-left:auto; margin-
right:auto;text-align:center;font-size:1em;font-weight:
bold;}</style></head>"); pw.print("<body><h1>");
HttpSession session = request.getSession(false);
String user = (String)session.getAttribute("name");
session.invalidate();
pw.print("<center>....... Sucessfully Logged Out
"+user+" ...........<center>");
pw.print("</body></html>");
pw.close();

}

}
```
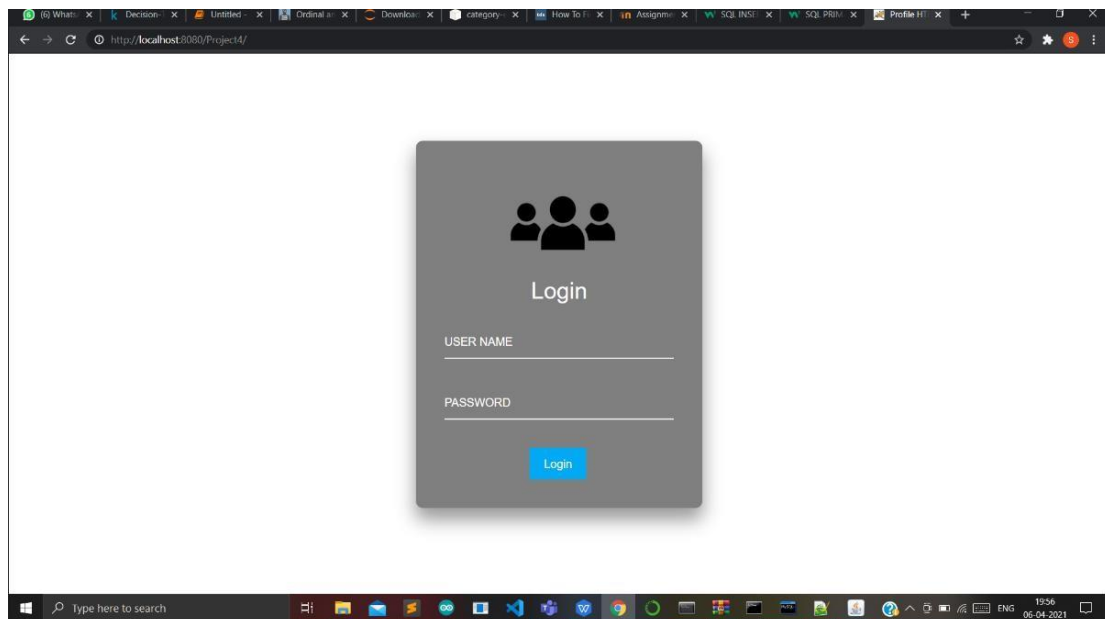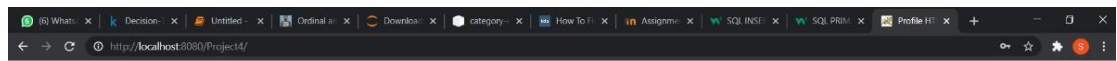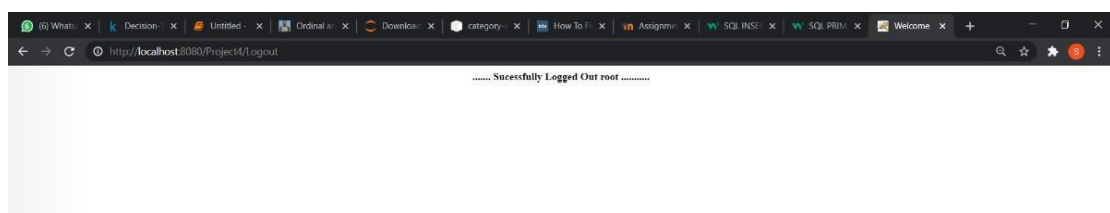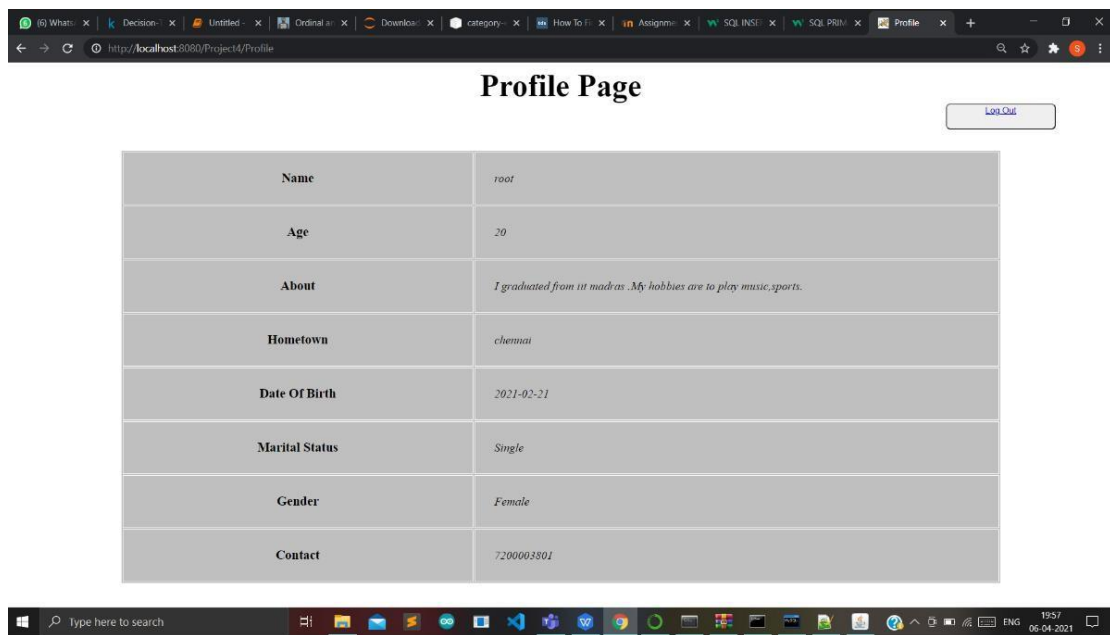Screenshots:

# Welcome root

View Profile in Detail

---

# Profile Page

Log Out

| Name | root |
| --- | --- |
| Age | 20 |
| About | I graduated from iit madras .My hobbies are to play music,sports. |
| Hometown | chennai |
| Date Of Birth | 2021-02-21 |
| Marital Status | Single |
| Gender | Female |
| Contact | 7200003801 |

---

....... Sucessfully Logged Out root ...........
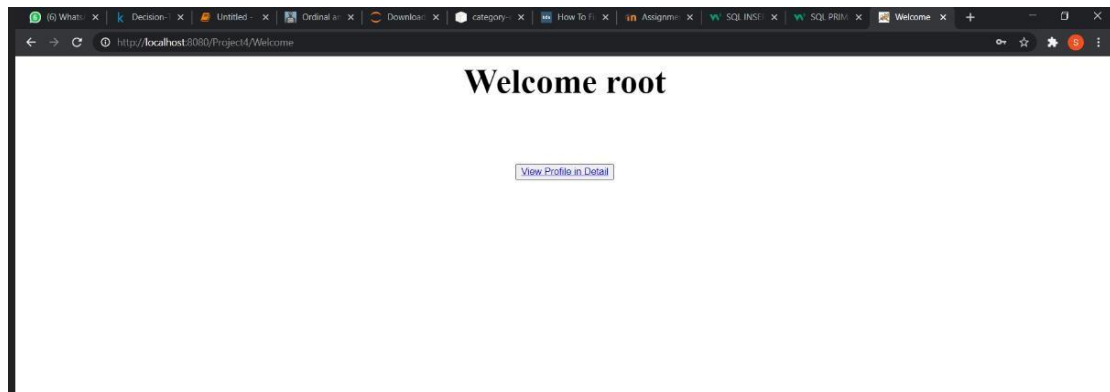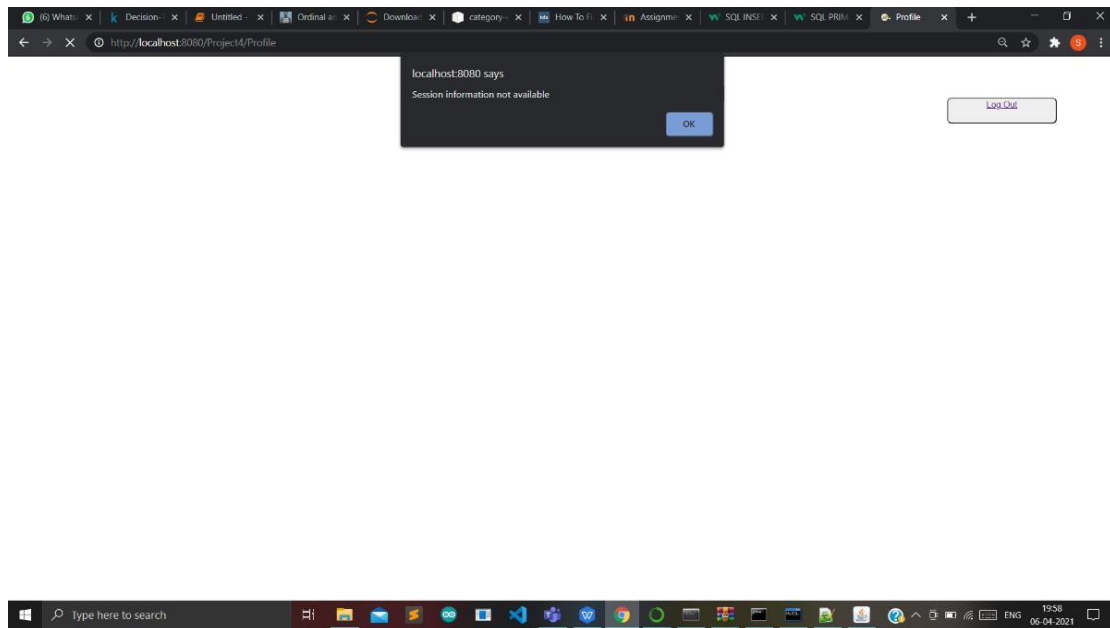
- From this assignment I had learnt to create a session and have it alongside a session.
- I was able to handle the arguments from the session and display the details .
- I was able to delete the session instance and ensure that the details of a user wasn't viewable to any other third party .
- I learnt to create dynamic web pages using java servlets,sessions and mysql.