login.jsp

<%@ page language=*"java"* contentType=*"text/html; charset=UTF-8"* pageEncoding=*"UTF-8"*%>

<!DOCTYPE html>

<html>

<head>

<title>Login Page</title>

</head>

<body>

<h2>Login</h2>

<form action=*"authenticate.jsp"* method=*"post"*>

Username: <input type=*"text"* name=*"username"* required><br>

<input type=*"submit"* value=*"Login"*>

</form>

</body>

</html>

Authenticate.jsp

<%@ page import=*"java.sql.\*"* %>

<%@ page import=*"java.io.\*"* %>

<%

String username = request.getParameter("username");

**try** {

Class.forName("com.mysql.cj.jdbc.Driver");

Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/VotingSystem", "root", "tiger");

PreparedStatement ps = con.prepareStatement("SELECT \* FROM Voters WHERE username=?");

ps.setString(1, username);

ResultSet rs = ps.executeQuery();

**if** (rs.next()) {

session.setAttribute("username", username);

response.sendRedirect("voting.jsp");

} **else** {

out.println("Invalid user!.");

}

con.close();

} **catch**(Exception e) {

out.println(e);

}

%>

Voting.jsp

<%@ page language=*"java"* contentType=*"text/html; charset=UTF-8"* pageEncoding=*"UTF-8"*%>

<%@ page import=*"java.sql.\*"* %>

<%@ page import=*"java.io.\*"* %>

<%

String username = (String) session.getAttribute("username");

**if** (username == **null**) {

response.sendRedirect("login.jsp");

}

String alreadyVoted = "no";

**try** {

Class.forName("com.mysql.cj.jdbc.Driver");

Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/VotingSystem", "root", "tiger");

PreparedStatement ps = con.prepareStatement("SELECT voted FROM Voters WHERE username=?");

ps.setString(1, username);

ResultSet rs = ps.executeQuery();

**if** (rs.next()) {

alreadyVoted = rs.getString("voted");

}

con.close();

} **catch**(Exception e) {

out.println(e);

}

%>

<!DOCTYPE html>

<html>

<head>

<title>Voting Page</title>

</head>

<body>

<h2>Welcome <%= username %></h2>

<% **if** (alreadyVoted.equals("yes")) { %>

<p>You have already voted.</p>

<a href=*"logout.jsp"*>Logout</a>

<% } **else** { %>

<form action=*"vote.jsp"* method=*"post"*>

<input type=*"radio"* name=*"vote"* value=*"AAP"*>AAP<br>

<input type=*"radio"* name=*"vote"* value=*"BJP"*>BJP<br>

<input type=*"radio"* name=*"vote"* value=*"Congress"*>Congress<br>

<input type=*"radio"* name=*"vote"* value=*"None"*>None<br>

<input type=*"submit"* value=*"Cast Vote"*>

</form>

<% } %>

</body>

</html>

Vote.jsp

<%@ page import=*"java.sql.\*"* %>

<%@ page import=*"java.io.\*"* %>

<%

String vote = request.getParameter("vote");

String username = (String) session.getAttribute("username");

**try** {

Class.forName("com.mysql.cj.jdbc.Driver");

Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/VotingSystem", "root", "tiger");

PreparedStatement psCheck = con.prepareStatement("SELECT voted FROM Voters WHERE username=?");

psCheck.setString(1, username);

ResultSet rs = psCheck.executeQuery();

**if** (rs.next()) {

String alreadyVoted = rs.getString("voted");

**if** (alreadyVoted.equals("yes")) {

response.sendRedirect("voting.jsp");

**return**;

}

}

PreparedStatement psUpdate = con.prepareStatement("UPDATE Voters SET voted='yes' WHERE username=?");

psUpdate.setString(1, username);

psUpdate.executeUpdate();

con.close();

} **catch**(Exception e) {

out.println(e);

}

%>

<!DOCTYPE html>

<html>

<head>

<title>Thank You</title>

</head>

<body>

<h2>Thank You for Voting!</h2>

<a href=*"logout.jsp"*>Logout</a>

</body>

</html>

Logout.jsp

<%@ page language=*"java"* contentType=*"text/html; charset=UTF-8"* pageEncoding=*"UTF-8"*%>

<%

session.invalidate();

response.sendRedirect("login.jsp");

%>

SQL Queries:

CREATE DATABASE VotingSystem;

USE VotingSystem;

CREATE TABLE Voters (

    id INT PRIMARY KEY,

    username VARCHAR(50) UNIQUE,

    voted VARCHAR(50)

);

INSERT INTO Voters VALUES (1, 'BISWAJEET SAMAL', 'no');

INSERT INTO Voters VALUES (2, ' RAJESH KUMAR GOUDA', 'no');

INSERT INTO Voters VALUES (3, 'ARPIT SHRIVASTAVA', 'no');

INSERT INTO Voters VALUES (4, 'TANIYA ANSHU', 'no');

INSERT INTO Voters VALUES (5, 'SAJAN KUMAR', 'no');

select \* from Voters;



















