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LoginController.java:

package MVCexam.Controller;

import MVCexam.Model.\*;

import javax.servlet.\*;

import javax.servlet.http.\*;

import java.io.\*;

import java.util.\*;

public class LoginController extends HttpServlet {

    public void doPost(HttpServletRequest request, HttpServletResponse res) throws ServletException, IOException {

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

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

        res.setContentType("text/html");

        PrintWriter pw = res.getWriter();

        LoginModel lm = new LoginModel();

        pw.println("<style>");

        pw.println("body {font-family: verdana;}");

        pw.println("</style>");

        try {

            String result = lm.getPassword(username);

            if (result.equals(password)) {

                System.out.println("\nLogin Successful!");

                res.sendRedirect("vote?username=" + username);

            } else {

                System.out.println("\nInvalid login!");

                pw.println("<h1>Incorrect username or password</h1>");

                pw.println("<button onclick=\"location.href = 'Login.html';\">Try again</button>");

            }

        } catch (Exception e) {

            System.out.println("Exception thrown : " + e);

        }

    }

}

LoginModel.java:

package MVCexam.Model;

import java.util.\*;

import java.sql.\*;

public class LoginModel {

    public String getPassword(String username) throws Exception {

        try {

            String url = "jdbc:mysql://localhost:3306/test";

            String user = "root";

            String password = "123456";

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

            Connection con = DriverManager

                    .getConnection("jdbc:mysql://localhost:3306/test?autoReconnect=true&useSSL=false", user, password);

            Statement st = con.createStatement();

            String sql = "select \* from login where username = \'" + username + "\'";

            ResultSet rs = st.executeQuery(sql);

            if (rs.next()) {

                String res = rs.getString("password");

                return res;

            }

            else {

                return "0";

            }

        } catch (Exception e) {

            System.out.println(e);

            return "0";

        }

    }

    public String checkUsername(String username) throws Exception {

        try {

            String url = "jdbc:mysql://localhost:3306/test";

            String user = "root";

            String password = "123456";

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

            Connection con = DriverManager.getConnection(

                    "jdbc:mysql://localhost:3306/exam\_db?autoReconnect=true&useSSL=false", user, password);

            Statement st = con.createStatement();

            String sql = "select \* from login where username = \'" + username + "\'";

            ResultSet rs = st.executeQuery(sql);

            if (rs.next()) {

                return "exists";

            }

            else {

                return "does not exist";

            }

        } catch (Exception e) {

            System.out.println(e);

            return "0";

        }

    }

}

VoteController.java

package MVCexam.Controller;

import MVCexam.Model.\*;

import javax.servlet.\*;

import javax.servlet.http.\*;

import java.io.\*;

import java.util.\*;

import java.sql.\*;

public class VoteController extends HttpServlet {

    public void doGet(HttpServletRequest request, HttpServletResponse res) throws ServletException, IOException {

        res.setContentType("text/html");

        PrintWriter pw = res.getWriter();

        VoteModel vm = new VoteModel();

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

        pw.println("<style>");

        pw.println("body {font-family: verdana;}");

        pw.println("</style>");

        try {

            pw.println("<h1><center>Online Voting</center></h1>");

            pw.println("<form action=\"vote\" method=\"post\">");

            pw.println("<input type=\"radio\" id=\"C1\" name=\"candidate\" value=\"C1\">");

            pw.println("<label for=\"C1\">C1</label></br>");

            pw.println("<input type=\"radio\" id=\"C2\" name=\"candidate\" value=\"C2\">");

            pw.println("<label for=\"C2\">C2</label></br>");

            pw.println("<input type=\"radio\" id=\"C3\" name=\"candidate\" value=\"C3\">");

            pw.println("<label for=\"C3\">C3</label></br>");

            pw.println("<input type=\"hidden\" id=\"username\" name=\"username\" value=\"" + username + "\">");

            pw.println("<input type=\"submit\">");

            pw.println("</form>");

        } catch (Exception e) {

            System.out.println("Exception thrown : " + e);

        }

    }

    public void doPost(HttpServletRequest request, HttpServletResponse res) throws ServletException, IOException {

        res.setContentType("text/html");

        PrintWriter pw = res.getWriter();

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

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

        pw.println("<style>");

        pw.println("body {font-family: verdana;}");

        pw.println("</style>");

        try {

            VoteModel vm = new VoteModel();

            vm.updateVote(candidate, username);

            pw.println("<p><b>Voted succesfully!</b><p>");

        } catch (Exception e) {

            System.out.println("Exception thrown : " + e);

        }

    }

}

VoteModel.java

package MVCexam.Model;

import java.util.\*;

import java.sql.\*;

public class VoteModel {

    public void updateVote(String candidate, String username) throws Exception {

        try {

            String url = "jdbc:mysql://localhost:3306/test";

            String user = "root";

            String password = "123456";

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

            Connection con = DriverManager

                    .getConnection("jdbc:mysql://localhost:3306/test?autoReconnect=true&useSSL=false", user, password);

            Statement st = con.createStatement();

            String sql = "select \* from votes where name = \'" + candidate + "\'";

            ResultSet rs = st.executeQuery(sql);

            if (rs.next()) {

                sql = "UPDATE votes set count = count+1 where name=\'" + candidate + "\'";

                int b = st.executeUpdate(sql);

            }

        } catch (Exception e) {

            System.out.println(e);

        }

    }

}

Web.xml:

<web-app>

<servlet>

<servlet-name>login</servlet-name>

<servlet-class>MVCexam.Controller.LoginController</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>login</servlet-name>

<url-pattern>/login</url-pattern>

</servlet-mapping>

<servlet>

<servlet-name>vote</servlet-name>

<servlet-class>MVCexam.Controller.VoteController</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>vote</servlet-name>

<url-pattern>/vote</url-pattern>

</servlet-mapping>

</web-app>

OUTPUTS: