Develop User Authentication Web application using MVC architecture. Create the packages Dao, Bean to store userCredentials and userDao classes respectively. Modify the necessary details in web.xml to run the web application. The controller in web application retrieves the user information namely, user name and password to check whether they exist in the database. If exists success page is displayed, otherwise failure page is displayed.

index.html

```
<html>
<body>
<form action="login " method="post">
<label>Enter username:
       <input type="text" name="t1">
</label>
<br>
<label>Enter password:
       <input type="text" name="t2">
</label>
<input type="submit" value="login">
</form>
</body>
</html>
```

error.jsp

```
<%@ taglib prefix = "c" uri = "http://java.sun.com/jsp/jstl/core" %>

<html>
<body>
<c:out value ="Login failed"/>
</body>
</html>
```

success.jsp

```
<%@ taglib prefix = "c" uri = "http://java.sun.com/jsp/jstl/core" %>

<html>
<body>
<c:out value ="Login success"/>
</body>
</html>
```

web.xml

```
<web-app>
      <servlet>
      <servlet-name>loginServlet</servlet-name>
      <servlet-class>loginController</servlet-class>
      </servlet>
<servlet-mapping>
      <servlet-name>loginServlet</servlet-name>
      <url-pattern>/login</url-pattern>
</servlet-mapping>
</web-app>
```

loginController.java

```
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;
import java.sql.*;
import Bean.userBean;
import DAO.userDAO;


public class loginController extends HttpServlet{
      public void doPost(HttpServletRequest request, HttpServletResponse
response)
      throws IOException, ServletException {

    response.setContentType("text/html");

    PrintWriter out = response.getWriter();
      String u_str=request.getParameter("t1");
```

```java
        String p_str=request.getParameter("t2");

//prepare the bean
        userBean usr = new userBean();
        usr.set_u(u_str);
        usr.set_p(p_str);

//call auth in userDAO

userDAO dao=new userDAO();
int i=dao.auth(usr);

if(i==1)
        request.getRequestDispatcher("success.jsp").forward(request,response
);
else if(i==0)
        request.getRequestDispatcher("error.jsp").forward(request,response);
else if(i==-1)
        request.getRequestDispatcher("new_error.jsp").forward(request,respo
nse);
//out.println("i val: "+i);
}
}
```

userBean.java

```java
package Bean;

public class userBean
{
 private String u,p;

 public void set_u(String u_str)
 {
  this.u=u_str;
 }

 public void set_p(String p_str)
 {
  this.p=p_str;
```

```java
 }

 public String get_u()
 {
 return this.u;
 }

  public String get_p()
 {
 return this.p;
 }

 }
```

userDAO.java

```java
package DAO;

import Bean.userBean;
import java.sql.*;

public class userDAO{

Connection con;
Statement stmt;
ResultSet rs;
String sql;
int flag=0;

        public int auth(userBean l)
        {
        String usr=l.get_u();
        String pwd=l.get_p();

        final String DB_URL ="jdbc:mysql://localhost/test1";
        final String USER = "root";
        final String PASS ="vaishu";

         try{
       Class.forName("com.mysql.jdbc.Driver");
```

```java
            con=DriverManager.getConnection(DB_URL,USER,PASS);

                    sql="select * from users";
                        stmt=con.createStatement();
                        rs = stmt.executeQuery(sql);
                        while(rs.next())
                        {
                                if(usr.equals(rs.getString(1)) &&
pwd.equals(rs.getString(2)) )
                                        flag=1; //return 1;
                        }
    }catch(ClassNotFoundException ex){ }
            // out.println("<p>class error"+ex.getMessage()+"</p>");

    catch(SQLException ex){ }
            // out.println("<p>sql error"+ex.getMessage()+"</p>");
    return flag;
    }
}
```
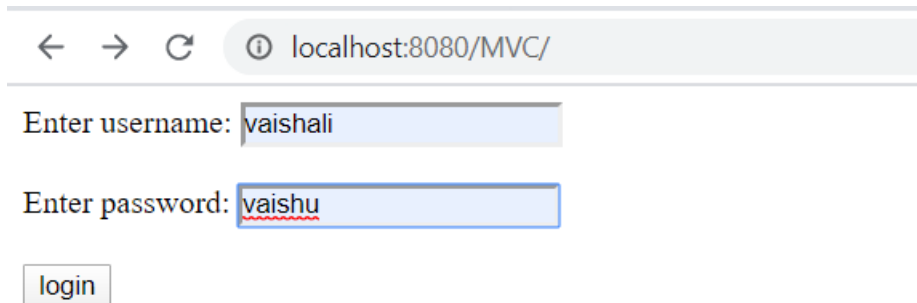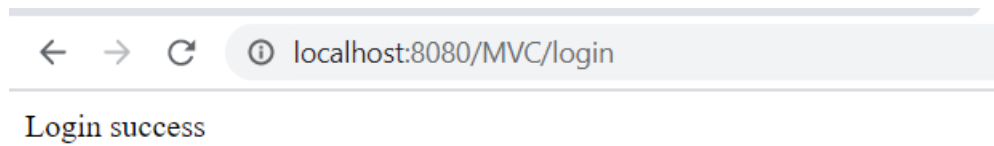
OUTPUT:

localhost:8080/MVC/login

Login success

localhost:8080/MVC/

Enter username: vaishali

Enter password: xyz

login

localhost:8080/MVC/login

Login failed