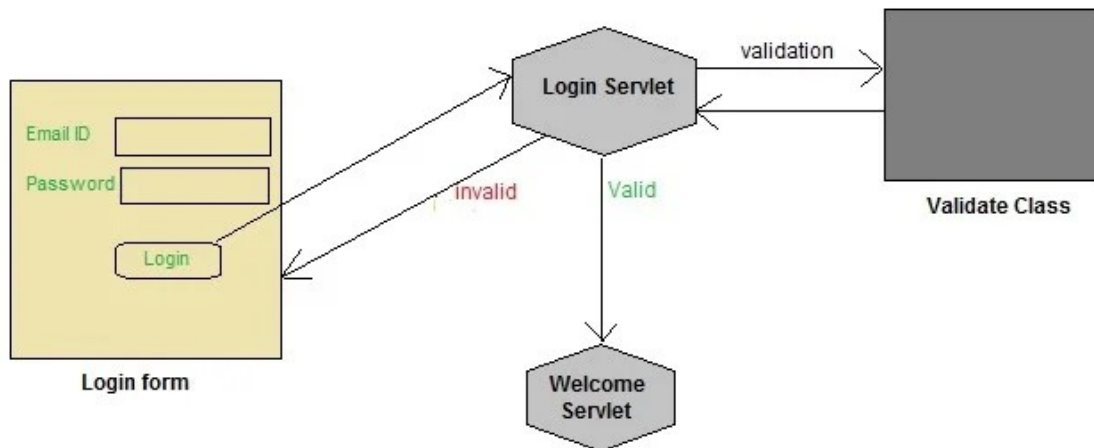# Project Name - Validation of the User Login

Project objective:

Create a servlet-based web application that shows a login page and validates it. The correct values are hard-coded. On successful login, a dashboard page is shown. The dashboard will provide a link for logging out. Incorrect logins need to be handled by showing an error message page.

Flowchart:

Source Code

1)index.html

```html
<html>
  <head>
    <title>login form</title>
  </head>
  <body>
    <form method="post" action="login">
    Email ID:<input type="text" name="email" /><br/>
    Password:<input type="text" name="pass" /><br/>
    <input type="submit" value="login" />
    </form>
  </body>
</html>
```

2)Login.java

```java
import java.io.*;
import javax.servlet.*;
```

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

import java.sql.*;


public class Login extends HttpServlet {


    protected void doPost(HttpServletRequest request,
HttpServletResponse response)

        throws ServletException, IOException {

    response.setContentType("text/html;charset=UTF-8");

    PrintWriter out = response.getWriter();


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

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


    if(Validate.checkUser(email, pass))

    {

        RequestDispatcher rs =
request.getRequestDispatcher("Welcome");

        rs.forward(request, response);

    }
```

```java
        else
        {
            out.println("Username or Password incorrect");

            RequestDispatcher rs =
request.getRequestDispatcher("index.html");

            rs.include(request, response);

        }

    }

}
```

3)Validate.java

```java
import java.sql.*;

public class Validate {

    public static boolean checkUser(String email,String pass)

    {

        boolean st =false;

        try {


            //loading drivers for mysql
```

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


        //creating connection with the database

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

        PreparedStatement ps = con.prepareStatement("select *
from register where email=? and pass=?");

        ps.setString(1, email);

        ps.setString(2, pass);

        ResultSet rs =ps.executeQuery();

        st = rs.next();


    }

    catch(Exception e) {

        e.printStackTrace();

    }

    return st;

  }

}
```

4)Welcome.java

```java
import java.io.*;

import javax.servlet.*;

import javax.servlet.http.*;

import java.sql.*;


public class Welcome extends HttpServlet {


    protected void doPost(HttpServletRequest request,
HttpServletResponse response)

        throws ServletException, IOException {

    response.setContentType("text/html;charset=UTF-8");

    PrintWriter out = response.getWriter();

    out.println("Welcome user");

    }
}
```
5)web.xml

```xml
<?xml version="1.0" encoding="UTF-8"?>

<web-app version="3.0"
```

```xml
xmlns="http://java.sun.com/xml/ns/javaee"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://java.sun.com/xml/ns/javaee
http://java.sun.com/xml/ns/javaee/web-app_3_0.xsd" >


  <servlet>

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

    <servlet-class>Login</servlet-class>

  </servlet>

  <servlet>

    <servlet-name>Welcome</servlet-name>

    <servlet-class>Welcome</servlet-class>

  </servlet>

  <servlet-mapping>

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

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

  </servlet-mapping>

  <servlet-mapping>

    <servlet-name>Welcome</servlet-name>

    <url-pattern>/Welcome</url-pattern>
```

```
</servlet-mapping>


</web-app>
```

Screenshots of output