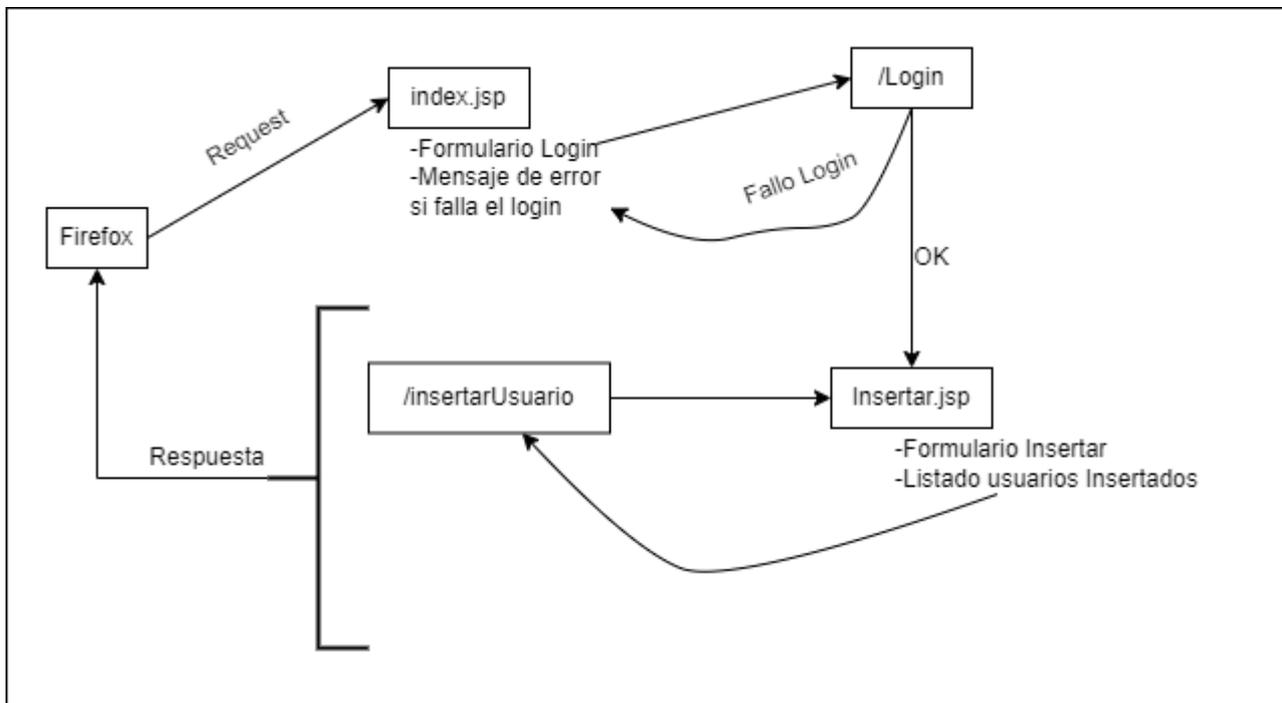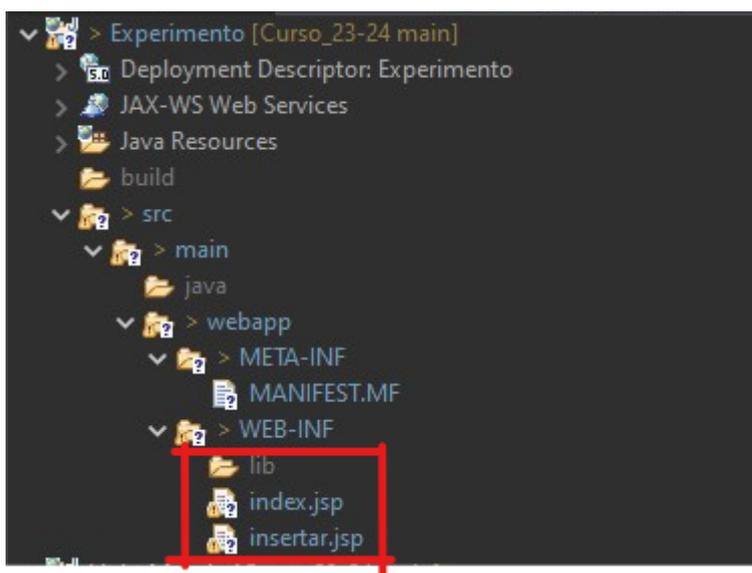# Ejercicio Login Tomcat

Nos basaremos en el siguiente diagrama para la implementación de la funcionalidad:

Implementación Web

Implementamos el Front End de la aplicación en archivos .jsp:

index.jsp

index.jsp

```jsp
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Pantalla de Login</title>
</head>
<body>

    <h1>Login</h1>
    <form action="Login" method="loguear">
    Nombre:<input type ="text" name="usuario" /><br>
    Clave:<input type = "text" name="pass"/><br>
    <input type ="submit"/>
    <a href="registro.html">Formulario de registro</a>

</body>
</html>
```

insertar.jsp

insertar.jsp

```jsp
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
    <h1>Registro</h1>
    <form action="InsertarUsuario" method="registrar">
    Nombre:<input type ="text" name="usuario" /><br>
    Clave:<input type = "text" name="pass"/><br>
    <input type ="submit"/>
    <a href="registro.html">Formulario de registro</a>
</body>
</html>
```

Implementación Java

Usuario.java

usuario.java

```java
package funciones;

public class Usuario {
    private String username;
    private String pass;
    public Usuario(String username, String pass) {
        super();
        this.username = username;
        this.pass = pass;
    }
    public String getUsername() {
        return username;
    }
    public void setUsername(String username) {
        this.username = username;
    }
    public String getPass() {
        return pass;
    }
    public void setPass(String pass) {
        this.pass = pass;
    }
}
```

Implementación Servlets

login.java

login.java

```java
package funciones;

import jakarta.servlet.ServletException;
import jakarta.servlet.annotation.WebServlet;
import jakarta.servlet.http.HttpServlet;
import jakarta.servlet.http.HttpServletRequest;
import jakarta.servlet.http.HttpServletResponse;
import java.io.IOException;
import java.util.Hashtable;
```

```java
/**
 * Servlet implementation class Login
 */
public class Login extends HttpServlet {
    private static final long serialVersionUID = 1L;

    /**
     * @see HttpServlet#HttpServlet()
     */
    public Login() {
        super();
        // TODO Auto-generated constructor stub
    }

    /**
     * @see HttpServlet#doGet(HttpServletRequest request,
HttpServletResponse response)
     */
    protected void doGet(HttpServletRequest request,
HttpServletResponse response) throws ServletException, IOException {
        Hashtable<String, Usuario> usuarios = (Hashtable<String,
Usuario>) request.getServletContext().getAttribute("TABLAUSUARIOS");
        if(usuarios == null ||
usuarios.get(request.getParameter("paramUsername"))== null
                ||
!(usuarios.get(request.getParameter("paramUsername"))).getPass().equals
(request.getParameter("paramPass"))) {
            request.setAttribute("MSG", "Login incorrecto");
            request.getRequestDispatcher("index.jsp").forward(request,
response);
        }else {

request.getRequestDispatcher("insertar.jsp").forward(request,
response);
        }
    }

    /**
     * @see HttpServlet#doPost(HttpServletRequest request,
HttpServletResponse response)
     */
    protected void doPost(HttpServletRequest request,
HttpServletResponse response) throws ServletException, IOException {
        // TODO Auto-generated method stub
        doGet(request, response);
    }
```

```
}
```

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