

# Desarrollo de Aplicaciones en Red

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1

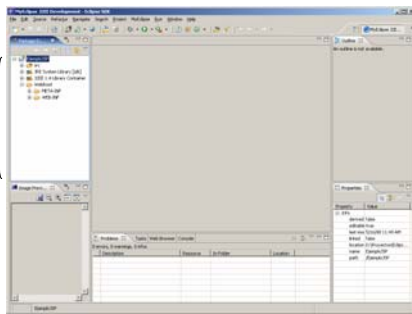
# Using Web Projects

With MyEclipse

2

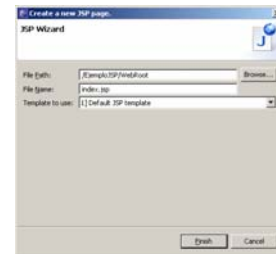
## Create a Web Project

Web Project Structure



3

## Create the new JSP page



4

## Generated code

```
<%@ page language="java" import="java.util.*" pageEncoding="UTF-8"%>
<%
String path = request.getContextPath();
String basePath = request.getScheme()+":"+request.getServerName()+":"+request.getServerPort()+path+"/";
%>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN">
<html>
<head>
<base href="<%=basePath%>">
<title>My JSP "index.jsp" starting page</title>
<meta http-equiv="pragma" content="no-cache">
<meta http-equiv="cache-control" content="no-cache">
<meta http-equiv="expires" content="0">
<meta http-equiv="keywords" content="keyword1,keyword2,keyword3">
<meta http-equiv="description" content="This is my page">
</--
<link rel="stylesheet" type="text/css" href="styles.css">
-->
</head>
<body>
This is my JSP page. <br>
</body>
</html>
```

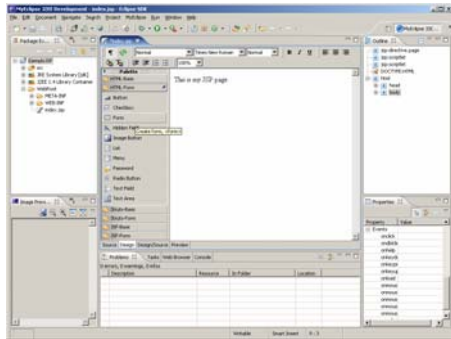
5

## Create an scriptlet

```
<%@ page language="java" import="java.util.*" pageEncoding="UTF-8"%>
<%
String path = request.getContextPath();
String basePath = request.getScheme()+":"+request.getServerName()+":"+request.getServerPort()+path+"/";
%>
<%
Write your java code here...
%>
<!--
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN">
-->
<head>
<base href="<%=basePath%>">
Write your html code here...
</html>
```

6

## HTML in designer



7

## Getting variables from URL

- Remember a servlet structure

```
public void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
    response.setContentType("text/html");
    PrintWriter out = response.getWriter();
```

- So, through *HttpServletRequest* we'll get the variables

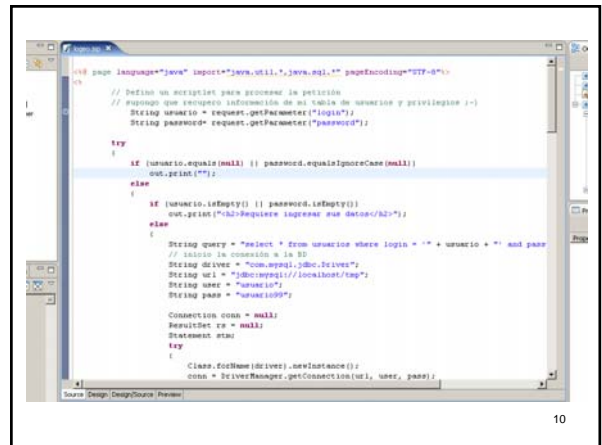
```
String usuario = request.getParameter("login");
String password= request.getParameter("password");
```

Those are the name from the variables on the form

8

## Let's try an example

9



10

## Database connection

java

11

## Specify DB values

```
String query = "select * from tabla";
// inicio la conexión a la BD
String driver = "com.mysql.jdbc.Driver";
String url = "jdbc:mysql://localhost/baseDatos";
String user = "login";
String pass = "password";
```

12

## Create connection to DB

```
Connection conn = null;
ResultSet rs = null;
Statement stm;
try
{
    Class.forName(driver).newInstance();
    conn = DriverManager.getConnection(url, user, pass);
}
catch (InstantiationException e)
{
    e.printStackTrace();
}
catch (IllegalAccessException e)
{
    e.printStackTrace();
}
catch (ClassNotFoundException e)
{
    e.printStackTrace();
}
catch (SQLException e)
{
    e.printStackTrace();
}
```

13

## Execution of query

```
// si todo salio bien ejecuto la petición a la BD
try
{
    stm = conn.createStatement();
    rs = stm.executeQuery(query);
}
catch (SQLException e)
{
    e.printStackTrace();
}
// finalmente veo si existe el usuario
try
{
    // ponemos el try para recorrer el result set resultante
    while (rs.next())
    {
        if (rs.getString("Atributo").equals(VariableLocal))
        {
            out.write("usuario: " + usuario + "bienvenido");
        }
    }
}
catch (SQLException e)
{
    e.printStackTrace();
}
```

14

## Reference

- *Head First Servlet and JSP, O'Reilly*

15