

SEMANA 9 – TALLER DE DESARROLLO DE APLICACIONES 2

ENTREGADO POR: Mendoza Ricse Gimena Cristel

CÓDIGO: Q00076H

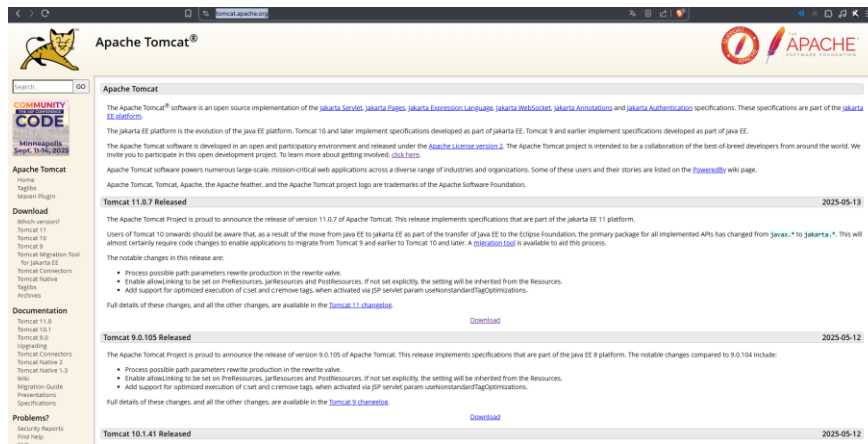
CATEDRÁTICO: Fernández Bejarano Raúl Enrique

PROYECTO USANDO APACHE TOMCAT

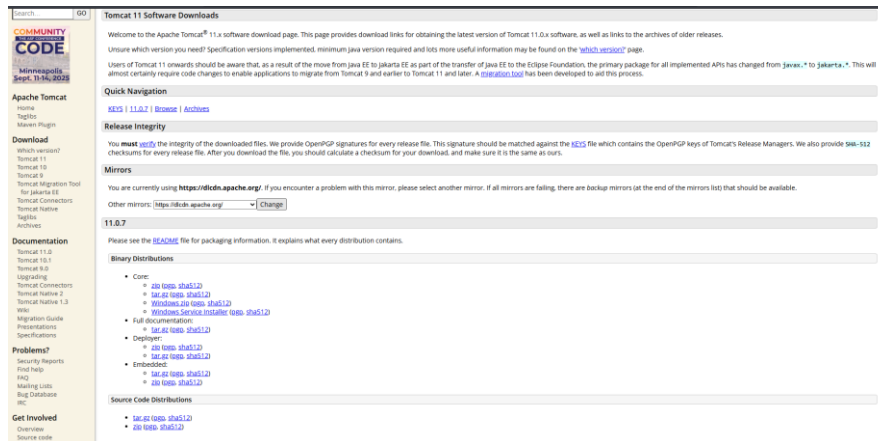
Instalación de apache tomcat:

Descargar el servidor Apache Tomcat de la siguiente dirección:

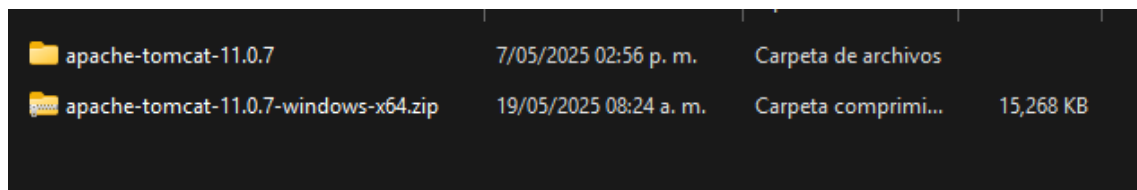
<https://tomcat.apache.org/>



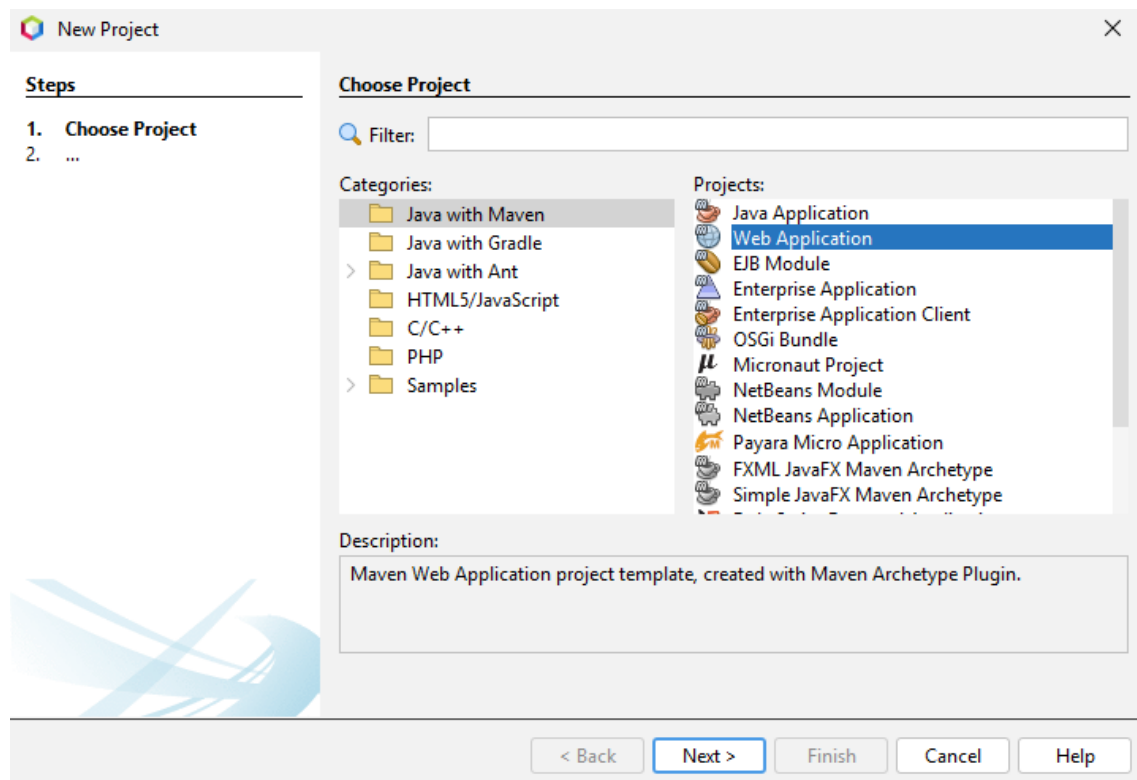
Descargar Apache Tomcat 11.0 para Windows



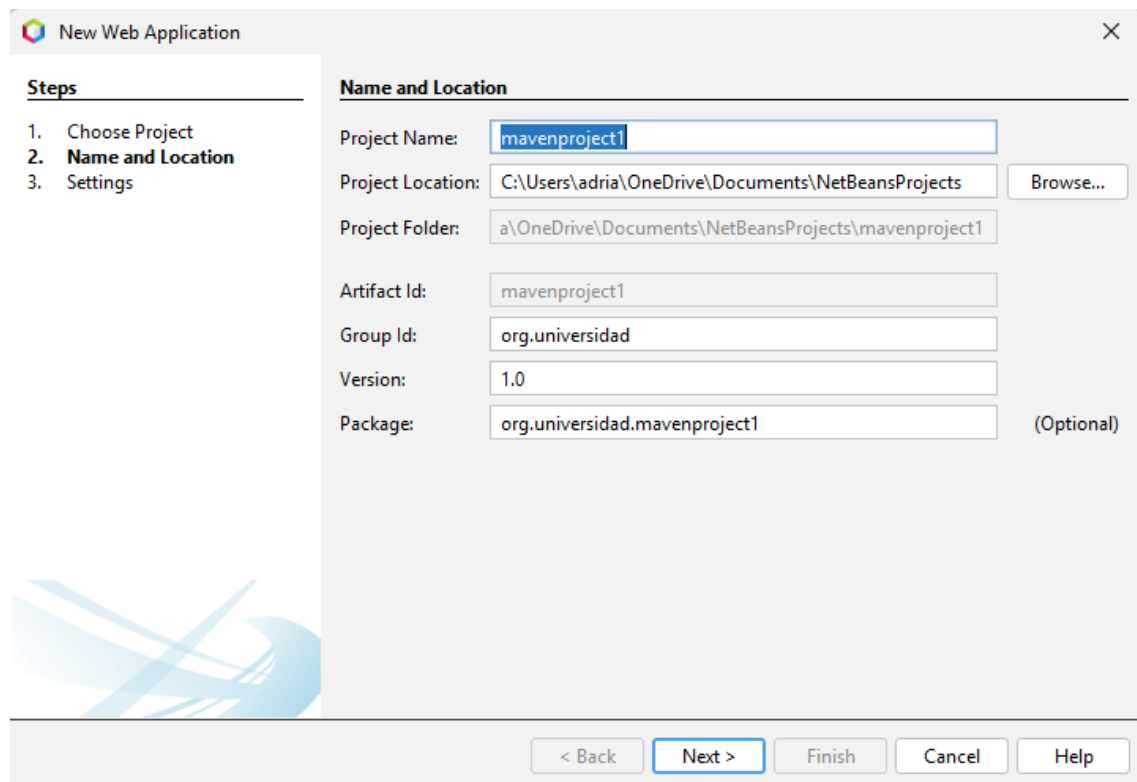
Descomprimir el archivo que fue descargado



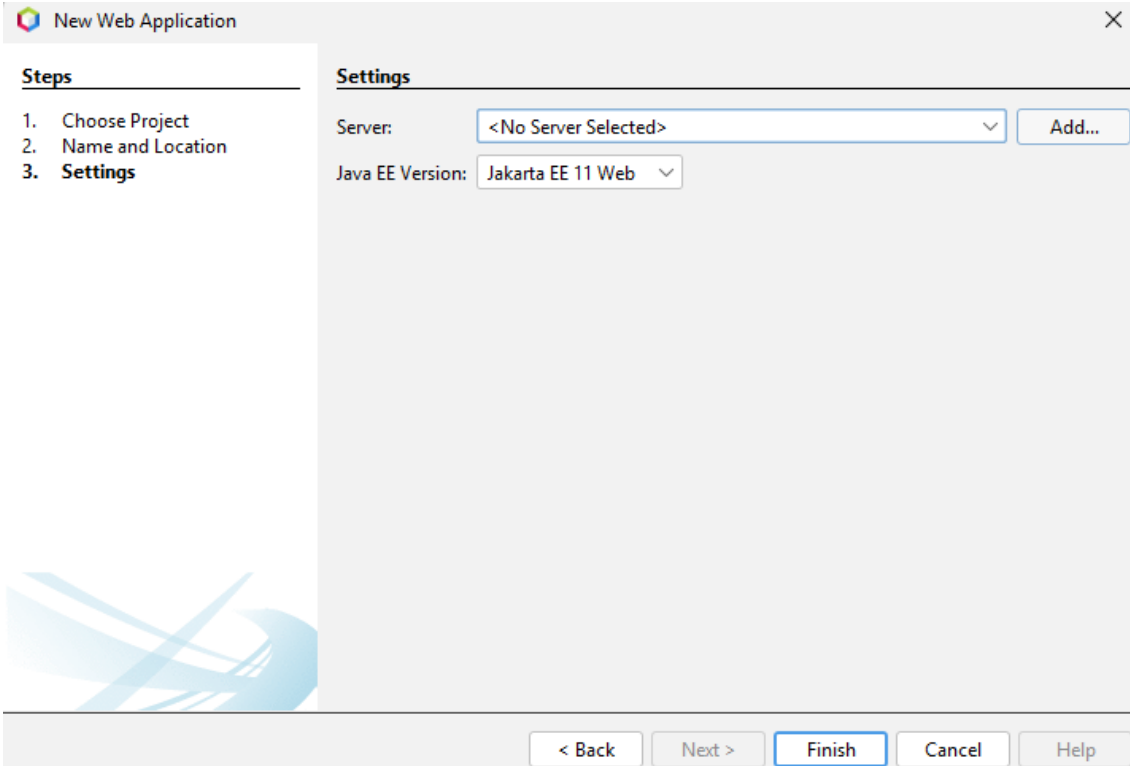
Crear un proyecto **Java Web** en **NetBeans** y Seleccione el Categoría **Java with Maven** y el proyecto **Web Application**



Escriba el Nombre del Proyecto



Agregar el Servidor



The 'New Web Application' dialog box is shown. It has a title bar with a close button. On the left, a 'Steps' list shows: 1. Choose Project, 2. Name and Location, and 3. **Settings**. The main area is titled 'Settings' and contains two dropdown menus: 'Server:' with the value '<No Server Selected>' and an 'Add...' button, and 'Java EE Version:' with the value 'Jakarta EE 11 Web'. At the bottom, there are five buttons: '< Back', 'Next >', 'Finish' (highlighted with a blue border), 'Cancel', and 'Help'.

New Web Application

Steps

1. Choose Project
2. Name and Location
3. **Settings**

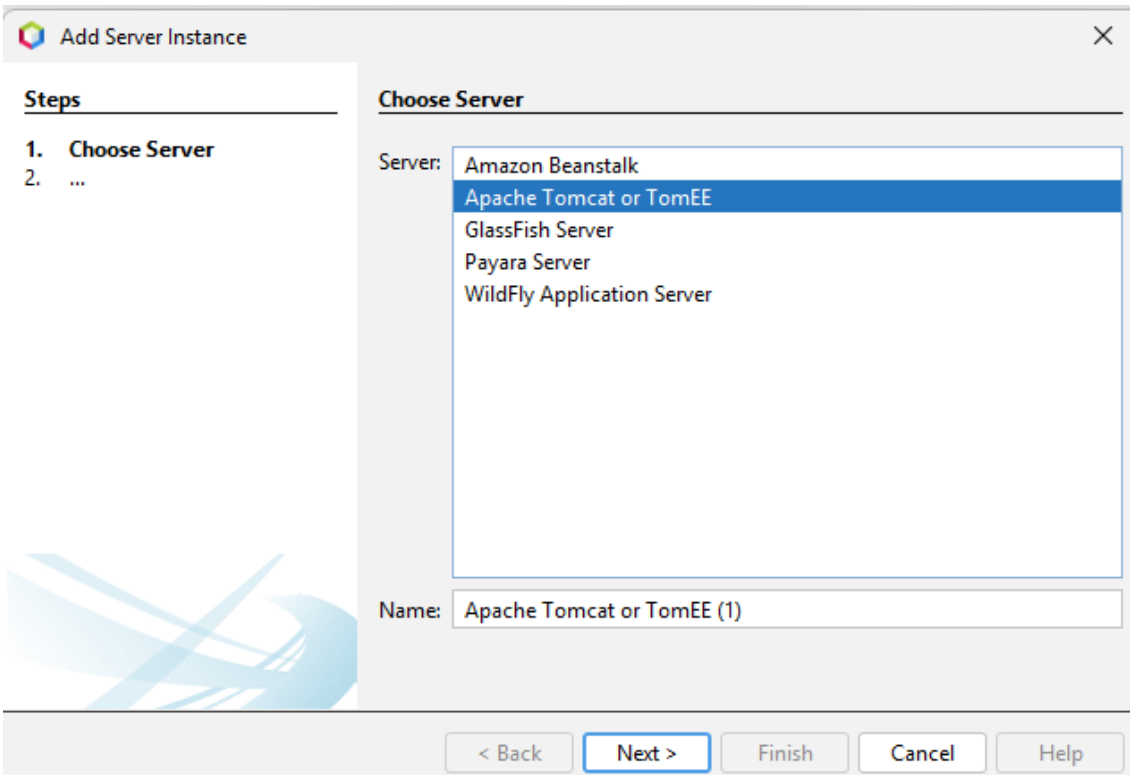
Settings

Server: <No Server Selected> Add...

Java EE Version: Jakarta EE 11 Web

< Back Next > Finish Cancel Help

Selecciona **Apache Tomcat or TomEE**



The 'Add Server Instance' dialog box is shown. It has a title bar with a close button. On the left, a 'Steps' list shows: 1. **Choose Server** and 2. ... The main area is titled 'Choose Server' and contains a list box for 'Server:' with the following options: Amazon Beanstalk, Apache Tomcat or TomEE (highlighted with a blue background), GlassFish Server, Payara Server, and WildFly Application Server. Below the list box is a text field for 'Name:' containing the text 'Apache Tomcat or TomEE (1)'. At the bottom, there are five buttons: '< Back', 'Next >' (highlighted with a blue border), 'Finish', 'Cancel', and 'Help'.

Add Server Instance

Steps

1. **Choose Server**
2. ...

Choose Server

Server: Amazon Beanstalk
Apache Tomcat or TomEE
GlassFish Server
Payara Server
WildFly Application Server

Name: Apache Tomcat or TomEE (1)

< Back Next > Finish Cancel Help

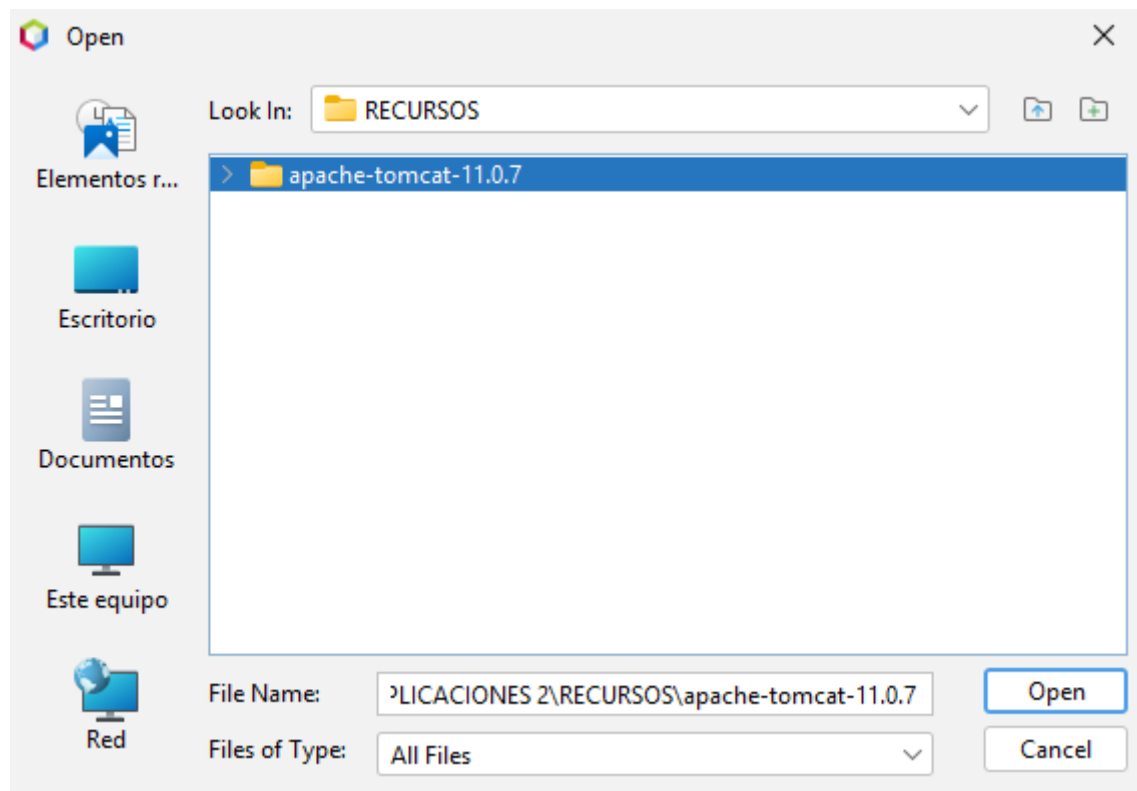
Ubicamos la carpeta de **tomcat** descargado y descomprimido mediante **Browse**

The screenshot shows the 'Add Server Instance' dialog box with the 'Installation and Login Details' tab selected. The 'Steps' pane on the left shows '2. Installation and Login Details' as the current step. The main area contains the following fields and options:

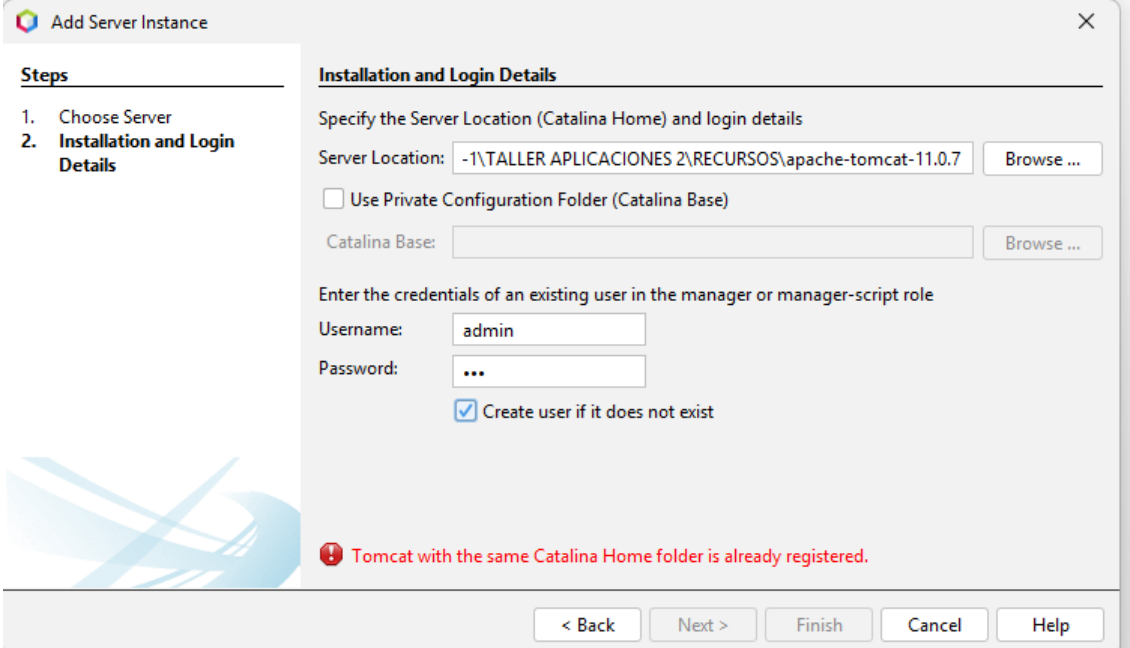
- Server Location:** A text box with a 'Browse ...' button next to it.
- ☐ **Use Private Configuration Folder (Catalina Base)**
- Catalina Base:** A text box with a 'Browse ...' button next to it.
- Enter the credentials of an existing user in the manager or manager-script role**
- Username:** A text box.
- Password:** A text box.
- ☒ **Create user if it does not exist**

At the bottom, there is an information icon and the text 'Specify the Server Location (Catalina Home)'. The bottom of the dialog has buttons for '< Back', 'Next >', 'Finish', 'Cancel', and 'Help'.

Seleccionamos y ponemos **Open**



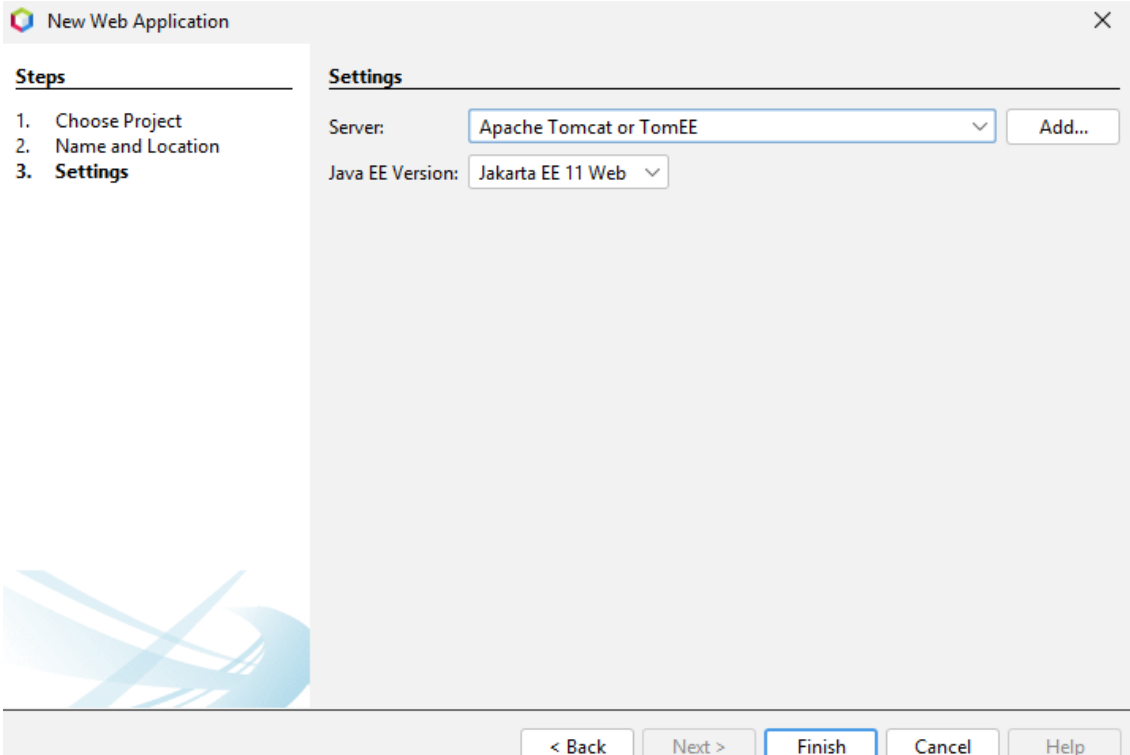
Ingresamos el **username** y la **contraseña** y **Next**



The 'Add Server Instance' dialog box is shown. It has a 'Steps' sidebar with '1. Choose Server' and '2. Installation and Login Details'. The main area is titled 'Installation and Login Details' and contains the following fields and options:

- 'Specify the Server Location (Catalina Home) and login details'
- 'Server Location:' text box with '-1\TALLER APLICACIONES 2\RECURSOS\apache-tomcat-11.0.7' and a 'Browse ...' button.
- 'Use Private Configuration Folder (Catalina Base)' checkbox (unchecked).
- 'Catalina Base:' text box and a 'Browse ...' button.
- 'Enter the credentials of an existing user in the manager or manager-script role'
- 'Username:' text box with 'admin'.
- 'Password:' text box with '...'.
- 'Create user if it does not exist' checkbox (checked).
- A red error message at the bottom: 'Tomcat with the same Catalina Home folder is already registered.'
- Navigation buttons at the bottom: '< Back', 'Next >', 'Finish', 'Cancel', and 'Help'.

En serve validamos que diga **Apache Tomcat or TomEE** y **Finish**

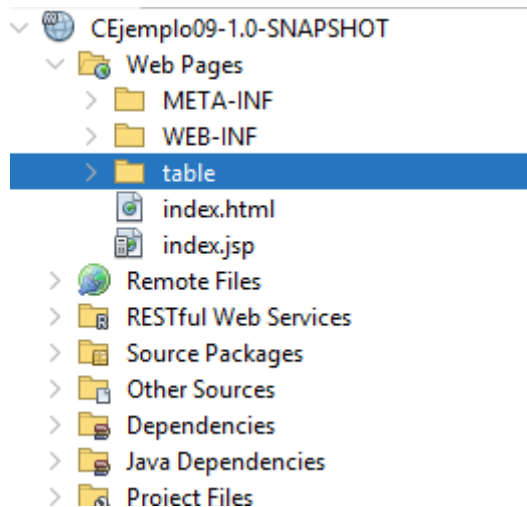


The 'New Web Application' dialog box is shown. It has a 'Steps' sidebar with '1. Choose Project', '2. Name and Location', and '3. Settings'. The main area is titled 'Settings' and contains the following fields and options:

- 'Server:' dropdown menu with 'Apache Tomcat or TomEE' selected and an 'Add...' button.
- 'Java EE Version:' dropdown menu with 'Jakarta EE 11 Web' selected.
- Navigation buttons at the bottom: '< Back', 'Next >', 'Finish' (highlighted), 'Cancel', and 'Help'.

Proyecto Semana 9

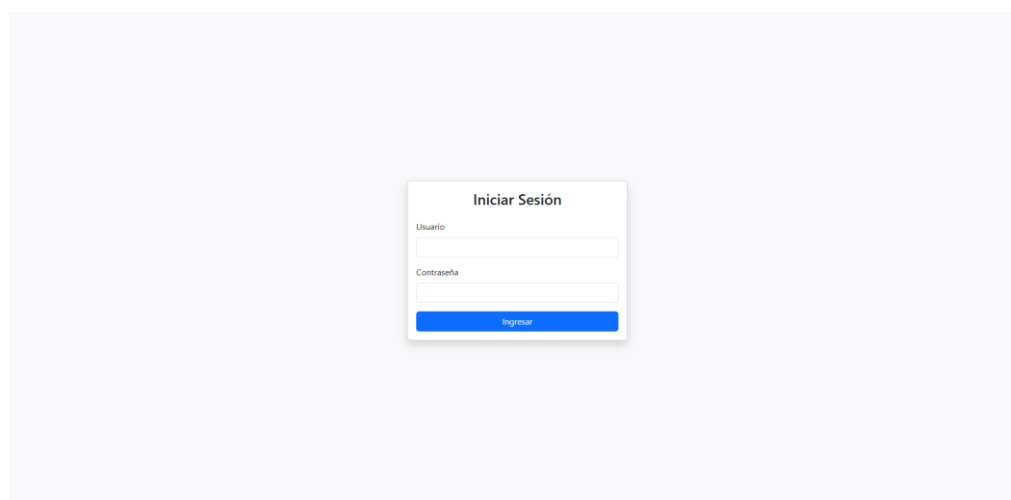
Eliminamos el index.html ya que desde ahora se usara los archivos con extensión .jsp



En nuestro **index.jsp** creamos un **login** usando **bootstrap** y para ellos usamos **html, css** e importamos la librería **bootstrap**

```
<!--
Document   : index
Created on : 19 may. 2020, 8:36:06 a. m.
Author    : USER 17
-->

<html>
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
<title>Login</title>
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.6/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-9Qe6f2a98a2e38686b362670e1603122788f864016b52c160333e20a11" crossorigin="anonymous">
</head>
<body class="bg-light">
<div class="container">
<div class="row justify-content-center align-items-center vh-100">
<div class="col-md-4">
<div class="card shadow">
<div class="card-body">
<h3 class="card-title text-center mb-1">Inicio Sesión</h3>
<form action="table/index.jsp" method="post">
<div class="mb-3">
<input type="text" class="form-control" id="username" name="username" required>
</div>
<div class="mb-3">
<input type="password" class="form-control" id="password" name="password" required>
</div>
<div class="d-grid">
<button type="submit" class="btn btn-primary">Ingresar</button>
</div>
</form>
</div>
</div>
</div>
</div>
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.6/dist/js/bootstrap.bundle.min.js" integrity="sha384-9Qe6f2a98a2e38686b362670e1603122788f864016b52c160333e20a11" crossorigin="anonymous"></script>
</body>
</html>
```



Creamos un archivo llamado **Boleta de Notas** en donde vamos a simular nuestra boleta de notas de nuestro **intranet**

boletas-notas.jsp x

Source History

Document : index
Created on : 19 may. 2025, 9:35:47 a. m.
Author : USER 17

```
<!-->
Document : index
Created on : 19 may. 2025, 9:35:47 a. m.
Author : USER 17
-->

<?page contentType="text/html" pageEncoding="UTF-8"?>
<!DOCTYPE html>
<html lang="es">
<head>
<meta charset="UTF-8">
<title>Boletas de notas</title>
<meta name="viewport" content="width=device-width, initial-scale=1">
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet">
<style>
body {
background-color: #f5f7fa;
padding: 20px;
}

.btn-periodo {
background-color: #d6eefb;
color: white;
font-weight: bold;
}

.btn-periodo.active {
background-color: #dc3545;
color: white;
}

.btn-periodo:hover {
opacity: 0.9;
}

table th {
font-size: 0.75rem;
text-transform: uppercase;
letter-spacing: 0.05em;
}

.text-blue {
color: blue;
}
```

```

49 </style>
50 </head>
51 <body>
52
53 <h5 class="mb-3"><strong>Boleta de notas</strong></h5>
54
55 <!-- Panel de periodos -->
56 <div class="card mb-4">
57 <div class="card-header bg-success text-white fw-semibold">
58 Periodos
59 </div>
60 <div class="card-body">
61 <div class="d-flex flex-wrap gap-2">
62 <button class="btn btn-sm btn-periodo">2021-1</button>
63 <button class="btn btn-sm btn-periodo">2021-2</button>
64 <button class="btn btn-sm btn-periodo">2022-1</button>
65 <button class="btn btn-sm btn-periodo">2022-2</button>
66 <button class="btn btn-sm btn-periodo">2023-1</button>
67 <button class="btn btn-sm btn-periodo">2023-2</button>
68 <button class="btn btn-sm btn-periodo">2024-1</button>
69 <button class="btn btn-sm btn-periodo">2024-2</button>
70 <button class="btn btn-sm btn-periodo">2025-0</button>
71 <button class="btn btn-sm btn-periodo active">2025-1</button>
72 </div>
73 </div>
74 </div>
75
76 <!-- Notas del periodo -->
77 <div class="card">
78 <div class="card-header bg-success text-white fw-semibold">
79 Notas del periodo
80 </div>
81 <div class="table-responsive">
82 <table class="table table-hover align-middle mb-0">
83 <thead class="table-light">
84 <tr>
85 <th>#</th>
86 <th>Código</th>
87 <th>Asignatura</th>
88 <th class="text-center">PF1</th>
89 <th class="text-center">PF2</th>
90 <th class="text-center">Prom</th>
91 <th class="text-center">EC</th>

```

```

94     </tr>
95 </thead>
96 <tbody>
97 <tr>
98     <td>1</td>
99     <td>332145</td>
100     <td>INTRODUCCIÓN A LA INVESTIGACIÓN CIENTÍFICA Y TECNOLÓGICA</td>
101     <td class="text-center">--</td>
102     <td class="text-center">--</td>
103     <td class="text-center">--</td>
104     <td class="text-center">--</td>
105     <td class="text-center text-red">08</td>
106     <td class="text-center">24/40</td>
107 </tr>
108 <tr>
109     <td>2</td>
110     <td>332154</td>
111     <td>INTELIGENCIA DE NEGOCIOS</td>
112     <td class="text-center text-blue">15</td>
113     <td class="text-center text-red">0</td>
114     <td class="text-center text-red">08</td>
115     <td class="text-center">--</td>
116     <td class="text-center text-red">08</td>
117     <td class="text-center">25/59</td>
118 </tr>
119 <tr>
120     <td>3</td>
121     <td>332159</td>
122     <td>TRANSMISIÓN DE DATOS</td>
123     <td class="text-center text-blue">12</td>
124     <td class="text-center text-red">0</td>
125     <td class="text-center text-red">06</td>
126     <td class="text-center">--</td>
127     <td class="text-center text-red">06</td>
128     <td class="text-center">39/49</td>
129 </tr>
130 <tr>
131     <td>4</td>
132     <td>333156</td>
133     <td>PROYECTO DE DINÁMICA DE SISTEMAS</td>
134     <td class="text-center text-blue">10</td>
135     <td class="text-center text-red">0</td>
136     <td class="text-center text-red">05</td>
137     <td class="text-center">--</td>
138     <td class="text-center text-red">05</td>
139     <td class="text-center">39/49</td>
140 </tr>
141 <tr>
142     <td>5</td>
143     <td>333157</td>
144     <td>PROYECTO DE DINÁMICA DE SISTEMAS</td>
145     <td class="text-center text-blue">10</td>
146     <td class="text-center text-red">0</td>
147     <td class="text-center text-red">05</td>
148     <td class="text-center">--</td>
149     <td class="text-center text-blue">17</td>
150     <td class="text-center">7/51</td>
151 </tr>
152 <tr>
153     <td>6</td>
154     <td>334149</td>
155     <td>TALLER VIII: DESARROLLO DE APLICACIONES II</td>
156     <td class="text-center text-red">0</td>
157     <td class="text-center text-red">0</td>
158     <td class="text-center text-red">0</td>
159     <td class="text-center">--</td>
160     <td class="text-center text-red">0</td>
161     <td class="text-center">39/62</td>
162 </tr>
163 <tr>
164     <td>7</td>
165     <td>334157</td>
166     <td>TALLER IX: SISTEMA DE CABLEADO ESTRUCTURADO</td>
167     <td class="text-center text-blue">15</td>
168     <td class="text-center text-red">0</td>
169     <td class="text-center text-blue">15</td>
170     <td class="text-center">--</td>
171     <td class="text-center text-blue">15</td>
172     <td class="text-center">8/54</td>
173 </tr>
174 <tr>
175     <td>8</td>
176     <td>334158</td>
177     <td>TALLER X: REDES INALÁMBRICAS</td>
178     <td class="text-center text-red">0</td>
179     <td class="text-center text-red">0</td>
180     <td class="text-center text-red">0</td>
181     <td class="text-center">--</td>
182     <td class="text-center text-red">0</td>
183     <td class="text-center">28/55</td>
184 </tr>
185 </tbody>
186 </table>
187 <div class="px-3 py-2 text-end fw-semibold">
188     Promedio ponderado: 5.53
189 </div>
190 <div class="text-center text-muted pb-3" style="font-size: 0.85rem;">
191     Esta información solo es de carácter informativo.
192 </div>
193 </div>
194 </div>
195 </div>
196 <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.6/dist/js/bootstrap.bundle.min.js"></script>
197 </body>
198 </html>
199

```


Boleta de notas

Periodos

2021-12021-22022-12022-22023-12023-22024-12024-22025-12025-2

Notas del periodo

#	CÓDIGO	ASIGNATURA	PF1	PF2	PROM	EC	FINAL	PUESTO
1	332145	INTRODUCCIÓN A LA INVESTIGACIÓN CIENTÍFICA Y TECNOLÓGICA	--	--	--	--	08	24/40
2	332154	INTELIGENCIA DE NEGOCIOS	15	0	08	--	08	25/59
3	332159	TRANSMISIÓN DE DATOS	12	0	06	--	06	38/48
4	333156	PROYECTO DE DINÁMICA DE SISTEMAS	10	0	05	--	05	43/57
5	334148	TALLER VII: DESARROLLO DE APLICACIONES I	17	0	17	--	17	7/51
6	334149	TALLER VIII: DESARROLLO DE APLICACIONES II	0	0	0	--	0	39/62
7	334157	TALLER IX: SISTEMA DE CABLEADO ESTRUCTURADO	15	0	15	--	15	8/54
8	334158	TALLER X: REDES INALÁMBRICAS	0	0	0	--	0	28/55

Promedio ponderado: 5.53

Esta información solo es de carácter informativo.