**Laboratorio 5 - MVC Primefaces Introduction - 2019-2**

## Introducción a proyectos Web

# Parte I. - Jugando a ser un cliente HTTP

3. ¿Qué código de error sale?

* 400 Bad Request : The server cannot or will not process the request due to an apparent client error (e.g., malformed request syntax, size too large, invalid request message framing, or deceptive request routing).

1. ¿Qué otros códigos de error existen? ¿En qué caso se manejarán?
   * 1xx Informational response
   * 2xx Success
   * 3xx Redirection
   * 4xx Client error
   * 5xx Server errors
   * Unofficial codes

4. ¿Qué se obtiene como resultado?

Se obtiene un código Fuente del lenguaje de marcado html:

<!DOCTYPE html>

<html>

<head>

</head>

<body>

<h1>Herman Melville - Moby-Dick</h1>

<div>

<p>

Availing himself of the mild, summer-cool weather that now reigned in these latitudes, and in preparation for the peculiarly active pursuits shortly to be anticipated, Perth, the begrimed, blistered old blacksmith, had not removed his portable forge to the hold again, after concluding his contributory work for Ahab's leg, but still retained it on deck, fast lashed to ringbolts by the foremast; being now almost incessantly invoked by the headsmen, and harpooneers, and bowsmen to do some little job for them; altering, or repairing, or new shaping their various weapons and boat furniture. Often he would be surrounded by an eager circle, all waiting to be served; holding boat-spades, pike-heads, harpoons, and lances, and jealously watching his every sooty mParte II. - Haciendo una aplicación Web dinámica a bajo nivel.

ovement, as he toiled. Nevertheless, this old man's was a patient hammer wielded by a patient arm. No murmur, no impatience, no petulance did come from him. Silent, slow, and solemn; bowing over still further his chronically broken back, he toiled away, as if toil were life itself, and the heavy beating of his hammer the heavy beating of his heart. And so it was.—Most miserable! A peculiar walk in this old man, a certain slight but painful appearing yawing in his gait, had at an early period of the voyage excited the curiosity of the mariners. And to the importunity of their persisted questionings he had finally given in; and so it came to pass that every one now knew the shameful story of his wretched fate. Belated, and not innocently, one bitter winter's midnight, on the road running between two country towns, the blacksmith half-stupidly felt the deadly numbness stealing over him, and sought refuge in a leaning, dilapidated barn. The issue was, the loss of the extremities of both feet. Out of this revelation, part by part, at last came out the four acts of the gladness, and the one long, and as yet uncatastrophied fifth act of the grief of his life's drama. He was an old man, who, at the age of nearly sixty, had postponedly encountered that thing in sorrow's technicals called ruin. He had been an artisan of famed excellence, and with plenty to do; owned a house and garden; embraced a youthful, daughter-like, loving wife, and three blithe, ruddy children; every Sunday went to a cheerful-looking church, planted in a grove. But one night, under cover of darkness, and further concealed in a most cunning disguisement, a desperate burglar slid into his happy home, and robbed them all of everything. And darker yet to tell, the blacksmith himself did ignorantly conduct this burglar into his family's heart. It was the Bottle Conjuror! Upon the opening of that fatal cork, forth flew the fiend, and shrivelled up his home. Now, for prudent, most wise, and economic reasons, the blacksmith's shop was in the basement of his dwelling, but with a separate entrance to it; so that always had the young and loving healthy wife listened with no unhappy nervousness, but with vigorous pleasure, to the stout ringing of her young-armed old husband's hammer; whose reverberations, muffled by passing through the floors and walls, came up to her, not unsweetly, in her nursery; and so, to stout Labor's iron lullaby, the blacksmith's infants were rocked to slumber. Oh, woe on woe! Oh, Death, why canst thou not sometimes be timely? Hadst thou taken this old blacksmith to thyself ere his full ruin came upon him, then had the young widow had a delicious grief, and her orphans a truly venerable, legendary sire to dream of in their after years; and all of them a care-killing competency.

</p>

</div>

</body>

</html>

5. 3741 caracteres contados en el texto anterior

¿Cuál es la diferencia entre los verbos GET y POST?

La diferencia entre los métodos GET y POST radica en la forma de enviar los datos a la página cuando se pulsa el botón “Enviar”. Mientras que el método GET envía los datos usando la URL, el método POST los envía de forma que no podemos verlos (en un segundo plano u "ocultos" al usuario).

¿Qué otros tipos de peticiones existen?

* **Get**
* **Options**
* **Head**
* **Put**
* **Post**
* **Delete**
* **Connect**
* **Trace**

6. ¿Cuáles son las diferencias con los diferentes parámetros?

* curl [www.httpbin.org](http://www.httpbin.org/)

comando curl es bastante útil y flexible. El objetivo de la herramienta es transferir datos, sin interacción del usuario, hacia o desde un servidor, utilizando uno de los muchos protocolos admitidos. Es esa lista de protocolos que ayuda a curl a ser tan flexible.

* curl -v [www.httpbin.org](http://www.httpbin.org/)

hace la operacion de transferir datos mas detallada

* curl -i [www.httpbin.org](http://www.httpbin.org/)

muestra unicamente la documentacion

# Parte II. - Haciendo una aplicación Web dinámica a bajo nivel.

**1. La clase SampleServlet define un componente de servlet con una url**

“/helloServlet”, extiende la clase HttpServlet y reescribe el metodo doGet.

En el metodo doGet recibe dos parametros de tipo HttpServletRequest, crea un objeto de tipo Write, un contenedor de tipo opcional<String>, un String.

Luego con el objeto HttpServlet cambia el estado, y escribe con el objeto Write “Hola” y el nombre anteriormente obtenido. Por ultimo utiliza el metodo flush.

**2.Revise en el pom.xml para qué puerto TCP/IP está configurado el servidor embebido de Tomcat (ver sección de plugins).**

El puerto en el cual está configurado el apache Tomcat es el 8080.

# Parte IV. -  Frameworks Web MVC – Java Server Faces / Prime Face

**10. b. Abra la aplicación en dos computadores diferentes. Si no dispone de uno, hágalo en dos navegadores diferentes (por ejemplo, Chrome y Firefox; incluso se puede en un único navegador usando una ventana normal y una ventana de incógnito / privada). Haga cinco intentos en uno, y luego un intento en el otro. ¿Qué valor tiene cada uno?**

Al abrir la aplicación en Google Chrome y hacer 5 intentos para adivinar el número y luego abrimos la aplicación en Firefox se mantiene el mismo estado del juego que quedo en Google Chrome con los cinco intentos.

**c. Aborte el proceso de Tomcat-runner haciendo Ctrl+C en la consola, y modifique el código del backing-bean de manera que use la anotación @SessionScoped en lugar de @ApplicationScoped. Reinicie la aplicación y repita el ejercicio anterior.**

**¿Coinciden los valores del premio?**

Para cada juego inicado en Google Chrome y en Firefox se tienen diferentes valores de los premios

**Dado la anterior, ¿Cuál es la diferencia entre los backing-beans de sesión y los de aplicación?**

Para cada navegador se genera una instancia diferente con el @SessionScoped lo cual nos permite tener dos diferentes juegos a la vez a cambio con el @ ApplicationScoped que comparte la instancia en los navegadores diferentes