

SERVLETS & JSP COURSE

CURRICULUM OF SERVLETS & JSP' S



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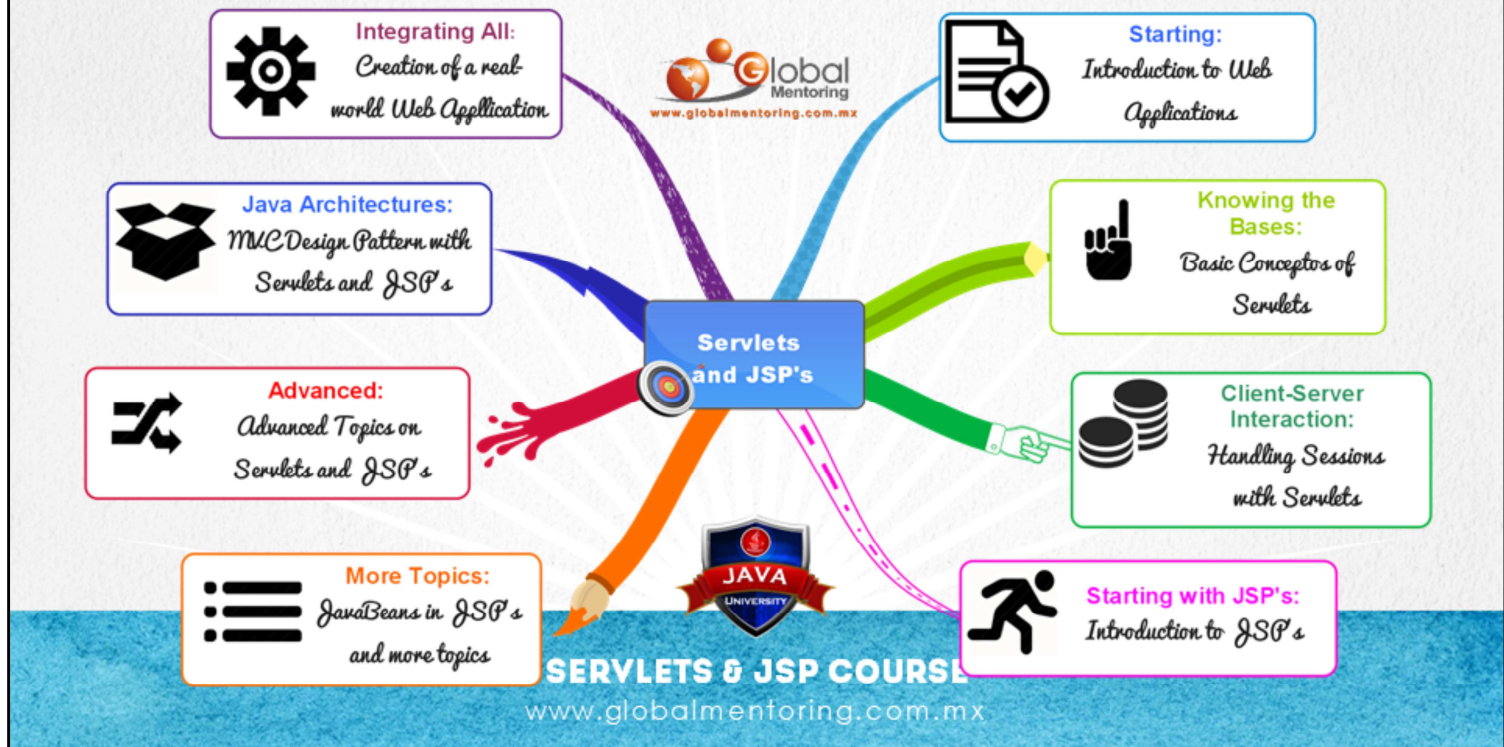
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Hello, I hope you're ready to begin.

Let's review the general agenda of the SERVLETS & JSP COURSE.

Are you ready? Let's go!

CURRICULUM OF SERVLETS & JSP COURSE



We will review the general content of the Servlets and JSPs course:

Starting.- Introduction to Web applications: In this section we will study an introduction to Web applications. We will review a 3-layer architecture and the role of Web applications in Java. We will also review the process of an HTTP request in a Web application. We will also carry out the installation of the tools we are going to use throughout the course and we will create a first HelloWorld project with Servlets.

Knowing the bases.- Basic Concepts of Servlets: In this section we will review the Servlets concept, the role of this technology in an Enterprise Java application, as well as the functions performed by a Servlet. We will review the life cycle of a Servlet. We will see some methods of the HTTP protocol like get and post which will use a lot in the Servlets programming. We will do an exercise to put these concepts into practice.

Client-Server Interaction.- Session Management with Servlets: We will review the concept of HTTP sessions. We will see the forms offered by the Servlets API for the management of a session. We will create an exercise of a shopping cart to put this topic into practice.

Starting with JSPs.- Introduction to JSP's: In this section we will analyze an introduction to JavaServer Pages technology or better known as JSP's. We will study the benefits of using JSP's compared to Servlets. We will see the role of the JSP technology in a Java Web application, likewise we will review the life cycle of the JSP's. We will carry out an exercise to put into practice the use of the JSP's.

More topics.- JavaBeans in JSP's and more topics: In this section we will study several of the elements that we will use with the JSP's, we will also review the concept of directives in JSP's, the inclusion of files and the use of Java Beans in the JSP's. We will create several exercises to put all these concepts into practice.

Advanced.- Advanced Topics on Servlets and JSP's: We will see several advanced topics of Servlets and JSP's, since we will begin to integrate these technologies to create a robust presentation layer for our business and web applications with Java. We will also see topics such as Expression Language (EL) of the JSP's, as well as the JSTL library of the JSP's. We will do several exercises to put these concepts into practice.

Java Architecture.- MVC design pattern using Servlets and JSP's: We will review the MVC (Model View Controller) design pattern, which will be the basis for structuring our presentation layer of our web applications with Java using Servlet technology and JSP's. We will see what role each technology plays in this design pattern and we will create an exercise to put this concept into practice.

Integrating All.- Creation of Real World Web Application: We will create an application called Student Management System (SGA - Sistema de Gestión de Alumnos in spanish). Which will integrate everything seen in the course, from basic topics, to more advanced topics of Servlets and JSP's. This application will have a 3-layer architecture, and we will perfectly define the role of each technology in this practical application, which will serve as the basis for your own Java Web applications using Servlets and JSP's.

Broadly speaking this is the general agenda of the course of Servlets and JSP's. These are just some of the many more topics we will learn throughout this course. So if you're ready, let's start immediately.

ONLINE COURSE

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