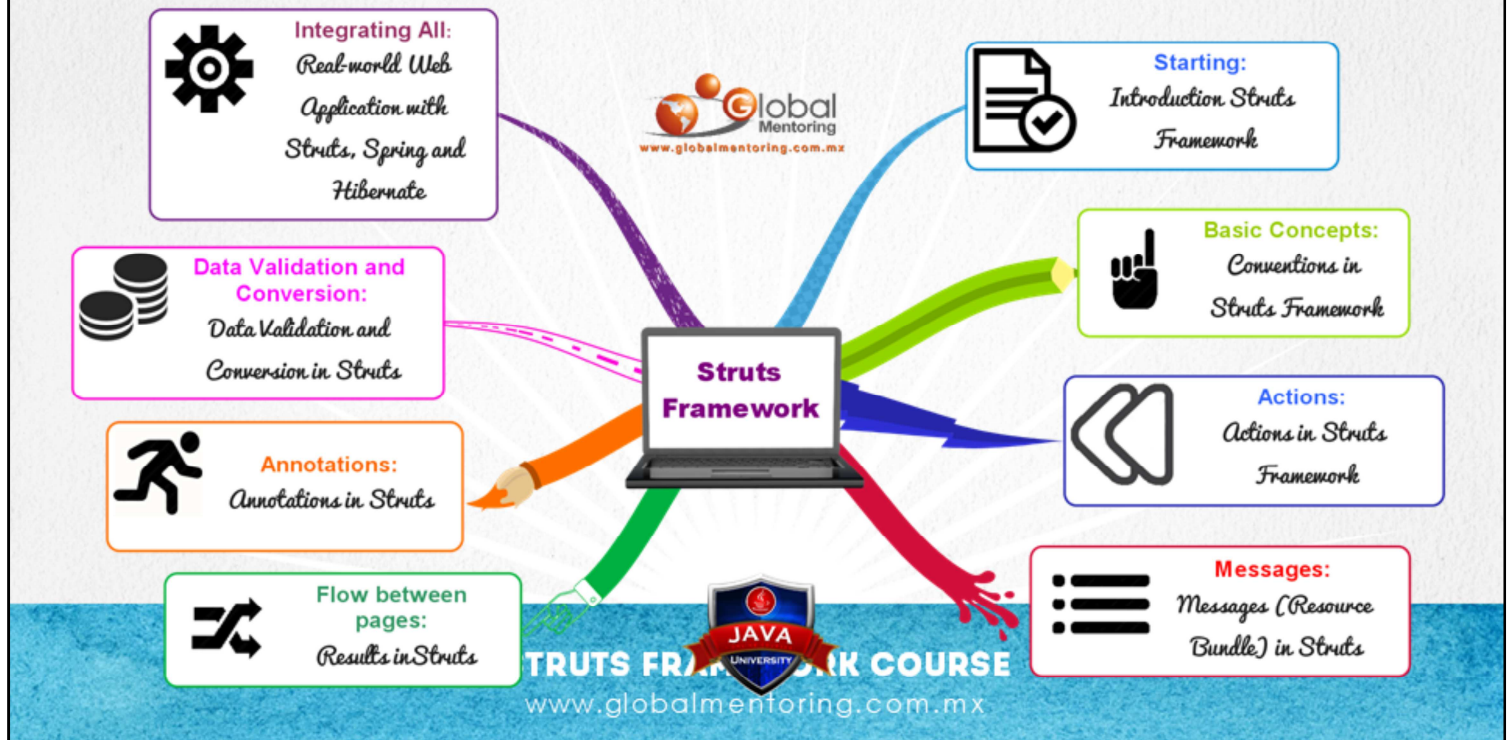Hello, I hope you're ready to begin.

Let's review the general agenda of the STRUTS FRAMEWORK COURSE.

Are you ready? Let's go!

We will review the general content of the Struts Framework course:

Starting.- <u>Introduction to Struts Framework</u>: In this section we will study an introduction to Struts Framework. We will review this MVC (Model-View-Controller) Java Framework, that has included a 3-layer architecture that can simplify considerably a Java Web applications. We will also carry out the installation of the tools we are going to use throughout the course and we will create the first HelloWorld project with Struts Framework.

Basic Concepts.- <u>Conventions in Struts Framework</u>: In this section we will review the concept of using Conventions in Struts Framework. Many of the configurations used in Struts has been simplified and we are going to use as many conventions as we can in order to simplify the configuration when using Spring Framework.

Actions.- <u>Actions in Struts Framework</u>: The actions in Struts are the most important part, as every web request ends in a component called Action. We'll see what is an Action, how to configure it, and many more topics related to this important concept in Struts Framework.

Messages.- <u>Messages (Resource Bundle) in Struts</u>: In this section we will study the concept of messages. The messages are the labels that are used in a Web Application, and we'll see that this labels can be included in different languages, not just the default language, but any language that we wan our application to be translated. We'll create some exercises to put this concept into practice.

Flow between pages.- <u>Results in Struts</u>: In this section we will study the concept of Results in Struts. A Result is used to decide where to go when an action ends, so you can go to a web page, another action, send an Excel, PDF, Audio, Video, or any other kind of document, or any other result that is supported by Struts Framework. We will create several exercises to put this concept into practice.

Annotations.- Annotations in Struts: Many of the previous configurations using Struts were made using XML files, but with Annotations we can simplify and reduce XML configurations to zero. So, in this chapter we'll see many of the Annotations that we can used when working with Struts Framework.

Data Validation and Conversion.- <u>Data Validation and Conversion in Struts</u>: We will review the concept of Validation and Conversion in Struts Framework, We'll see how easy is to implement this concepts, because Struts already has included many conversions and validations automatically, and implementing these concepts is a matter of extending a class, or implementing an interface in our Action classes. We will create an exercise to put this concept into practice.

Integrating All.- <u>Creation of Real World Web Application</u>: We will create an application called Student Management System. Which will integrate everything seen in the course, from basic topics, to more advanced topics of Struts Framework. 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 Struts and other technologies like Spring or Hibernate Framework, or EJB and JPA Java EE technologies.

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.

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STRUTS FRAMEWORK

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