

Lesson 7

Java Server Faces Web Application Framework

Infinite Diversity Arising from Unity

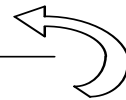
JSF is a framework that enforces the Model 2 JSP architecture. It is built on top of servlets and the concepts of JSP. It hides much of the complexity of those technologies and makes developing the presentation layer of web applications much more like developing a simple desktop application. The great diversity of the universe is structured in layers starting from the most basic interactions of the unified field—awareness being aware of itself.

MAIN POINTS

1. Knowledge is the wholeness of knower, known, and process of knowing. The basic ingredients of a JSF application include JSF pages for the view (the known), the back end domain logic and data (knower or underlying intelligence), and the JSF framework and FacesServlet and managed beans as the controller to connect the view and model.
2. JSF pages are like JSP pages that include special tag libraries for interacting with the JSF framework. The JSF libraries provide all of the common GUI components. EL expressions are directly bound to the fields of business beans. JSF pages allow the developer to accomplish more with less effort.
3. The JSF lifecycle includes phases for rebuilding the component tree, getting input string parameters and saving them in the component tree, data conversion and validation, updating the model, executing business logic and then encoding the results in an appropriate JSF page and response. Creation proceeds in an orderly sequential fashion.

CONNECTING THE PARTS OF KNOWLEDGE WITH THE WHOLENESS OF KNOWLEDGE

1. JSF is a framework for building the presentation layer of a web application.
2. JSF is an MVC framework, which is a good example of the vedic science principle that knowledge is the wholeness of knower, known, and process of knowing. Most of the JSF framework is the connection (process of knowing or controller) between the JSF pages (known or view) and the underlying logic contained in the domain classes (knower or model).



3. **Transcendental consciousness** is the unified state of awareness that underlies all diversity.
4. **Wholeness moving within itself:** A master JSF developer is maximally effective and efficient because she understands the underlying mechanics of how JSF is built on JSP and servlet technologies. In unity consciousness, one appreciates the inherent underlying unity that underlies all the diversity of creation.