

Lesson 13

Custom Components

Life Is Found in Layers

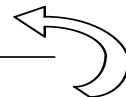
JSF custom components are how all of the base components and many libraries of sophisticated components have been developed for JSF. Evolution proceeds systematically by building more evolved entities from more basic ones.

MAIN POINTS

1. All JSF custom components extend basic component classes such as `UIComponent` or its main subclasses `UIInput`, `UIOutput`, `UICommand`. Nature is maximally efficient.
2. All components must override the `encode` method to generate the HTML markup to be sent in the HTTP response to the browser. The framework calls this method on every component during the render response phase.
3. All components must override the `decode` method to retrieve the input value for this component and save it as the method's `submittedValue`. `Decode` is called by the framework on all components during the apply request values phase.

CONNECTING THE PARTS OF KNOWLEDGE WITH THE WHOLENESS OF KNOWLEDGE

1. Developers can create new JSF components by writing custom components.
2. Developers can add entirely new components and functionality to JSF by extending JSF `UIComponent` classes and overriding key methods such as `UIComponent.encode()` and `UIComponent.decode()`. There is a great deal of functionality inherited from `UIComponent`.



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3. **Transcendental consciousness** is the experience of the base component of awareness, which is one's own Self.
 4. **Wholeness moving within itself:** Unity consciousness is the experience that the entire universe is a composition of this fundamental component of awareness, pure consciousness, one's own Self.