

## Lesson 9

### Facelets and Templates

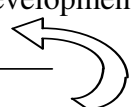
### Life Is Found in Layers

Facelets are a new view technology for JSF that replaces JSP. Facelets are specifically designed for the JSF framework and lifecycle. Facelets provides greater performance efficiency than JSPs. They also provide powerful template and composition components that promote the modularity and flexibility to create sophisticated web applications. The nature of life is to grow and expand towards greater happiness and fulfillment.

#### MAIN POINTS

1. JSF dataTables are a convenient way to display collections. DataTables have column subelements that can have facet subelements for headers and footers. Nature is maximally efficient.
2. Facelet templates define a pattern for a website by specifying places where specific content can be inserted. Individual pages are created by a composition of ui:defines that specify the content to be inserted into the template. Good design is maximally efficient, and does not repeat itself unnecessarily.
3. Facelet decorator tags are functionally equivalent to composition with templates, however with ui:decorator the conceptual approach is to write the individual pages and then decorate them rather than assembling smaller sections according to a template. The same reality is experienced differently in different states of consciousness.
4. Custom tags and components that are a composition of other tags and markup can be created very simply using the Facelets composition tag and a simple tag library descriptor. Life is found in layers—more complex layers are typically compositions of elements from more basic layers.

#### CONNECTING THE PARTS OF KNOWLEDGE WITH THE WHOLENESS OF KNOWLEDGE

1. Facelets is a new more efficient view technology designed to work with the JSF framework.
  2. Facelets also have tags that promote efficient and modular development of JSF pages.
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3. **Transcendental consciousness** is the direct experience of pure consciousness, the most basic and fundamental layer of nature.
  4. **Wholeness moving within itself:** In unity consciousness one directly appreciates and enjoys the fundamental nature of pure bliss consciousness in all layers of life.