HTML5 Friendly Markup

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- HTML5 offers new elements and attributes that can make it unnecessary to write your own components. It also provides many new capabilities for existing components.
- JavaServer Faces technology supports
 HTML5 not by introducing new UI
 components that imitate HTML5 ones, but
 by allowing you to use HTML5 markup
 directly.

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- JavaServer Faces technology support for HTML5 falls into two categories:
 - Pass-through elements
 - Pass-through attributes
- You can mix and match JavaServer Faces and HTML5 components and elements as you see fit.

Using Pass-through Elements

- Pass-through elements allow you to use HTML5 tags and attributes but to treat them as equivalent to JavaServer Faces components, associated with a server-side UIComponent instance.
- To make a non-JavaServer Faces element a pass-through element, specify at least one of its attributes using the http://xmlns.jcp.org/jsf namespace. See next example

Using Pass-through Elements

- If you specify a pass-through attribute in a JavaServer Faces UIComponent, the attribute name and value are passed straight through to the browser without being interpreted.
- There are several ways to specify passthrough attributes.

 Use the JavaServer Faces namespace for pass-through attributes to prefix the attribute names within a JavaServer Faces component.

 To pass a single attribute, nest the f:passThroughAttribute tag within a component tag.

 To pass a group of attributes, nest the f:passThroughAttributes tag within a component tag, specifying an EL value that must evaluate to a Map<String, Object>. For example: h:inputText value="#{bean.nights">

```
<h:inputText value="#{bean.nights">
     <f:passThroughAttributes value="#{bean.nameValuePairs}" />
</h:inputText>
```