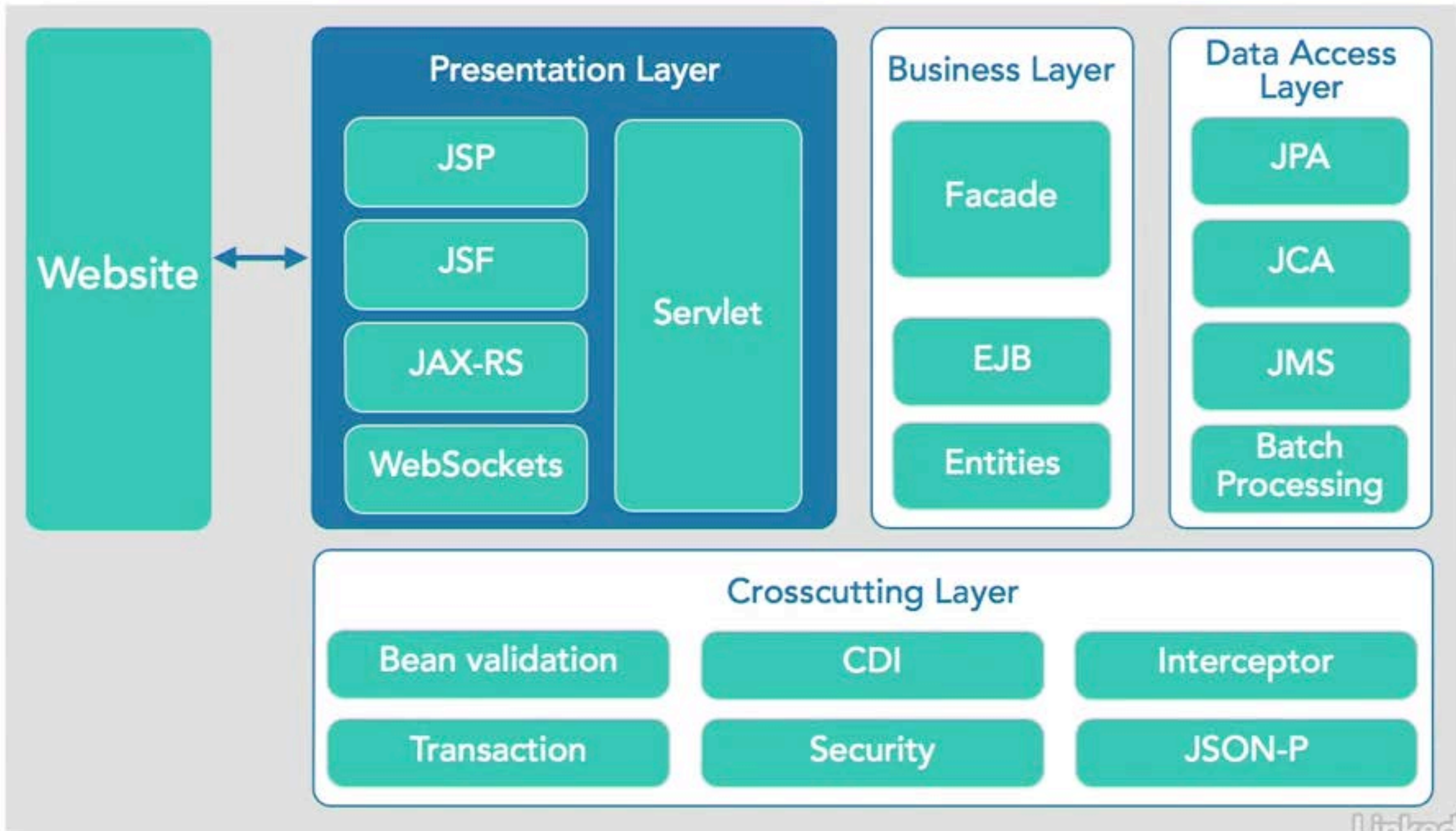


# JavaServer Faces Introduction

- JSF API 2.0
- Frontend user interface

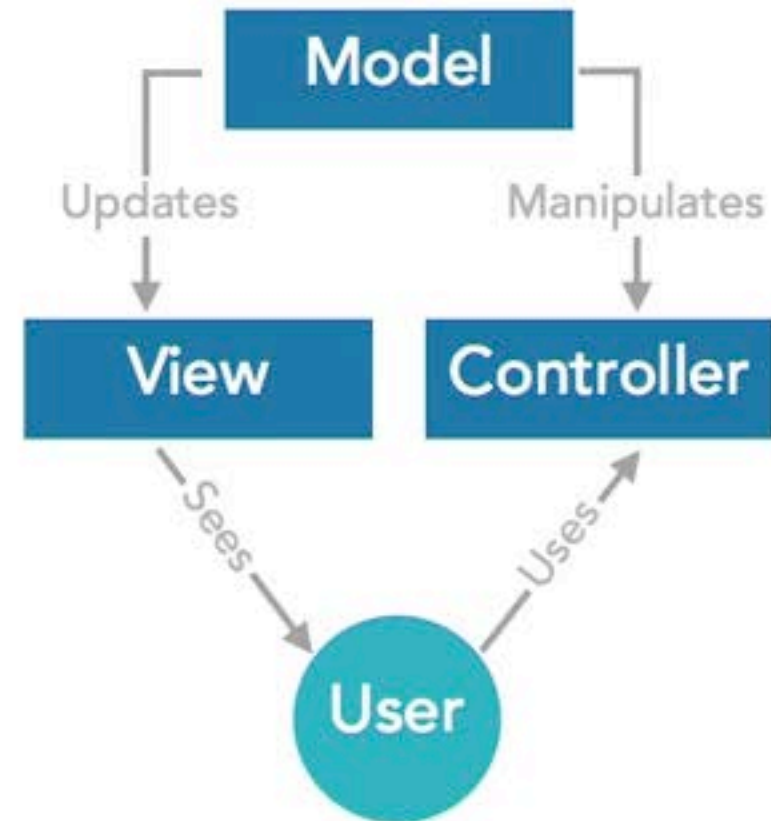
# JavaServer Faces Introduction

- AJAX support
- Alternative template frameworks



# MVC Design Pattern

- View built using facelets
- Model represented by beans
- Controller is the JSF engine



# Facelets View Declaration Language

**The view**

**Composite component based**

**Pluggable component libraries**

PrimeFaces

Apache MyFaces

ICEFaces

And many more



# Navigation



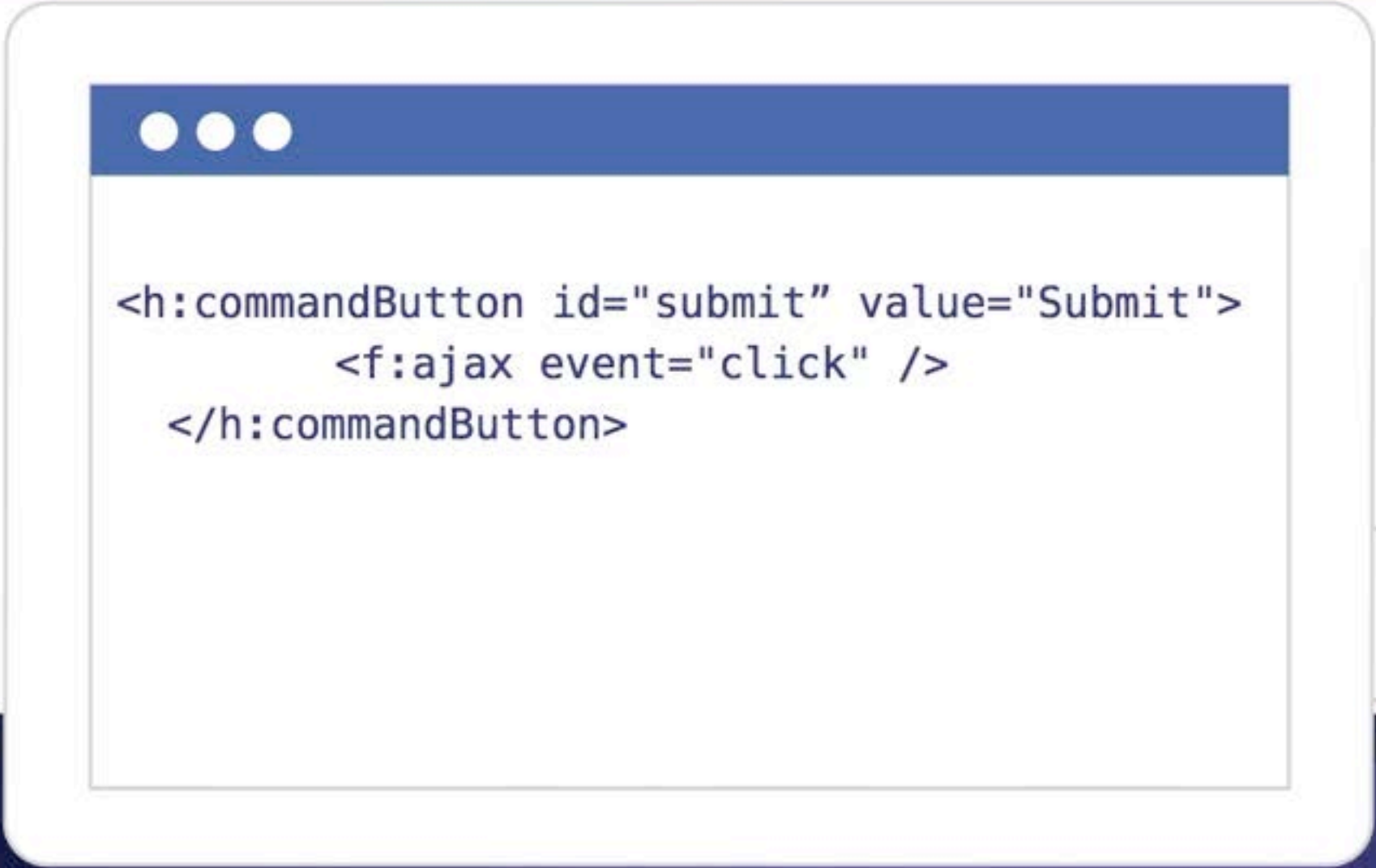
**Simple: pass view name**

```
<p:commandButton value="Cancel"  
action="/admin/dashboard" />
```

# Data and Event Binding via EL to CDI

- The model
- Replaces values in the view
- Welcome <p>#{account.name}</p> binds name of account

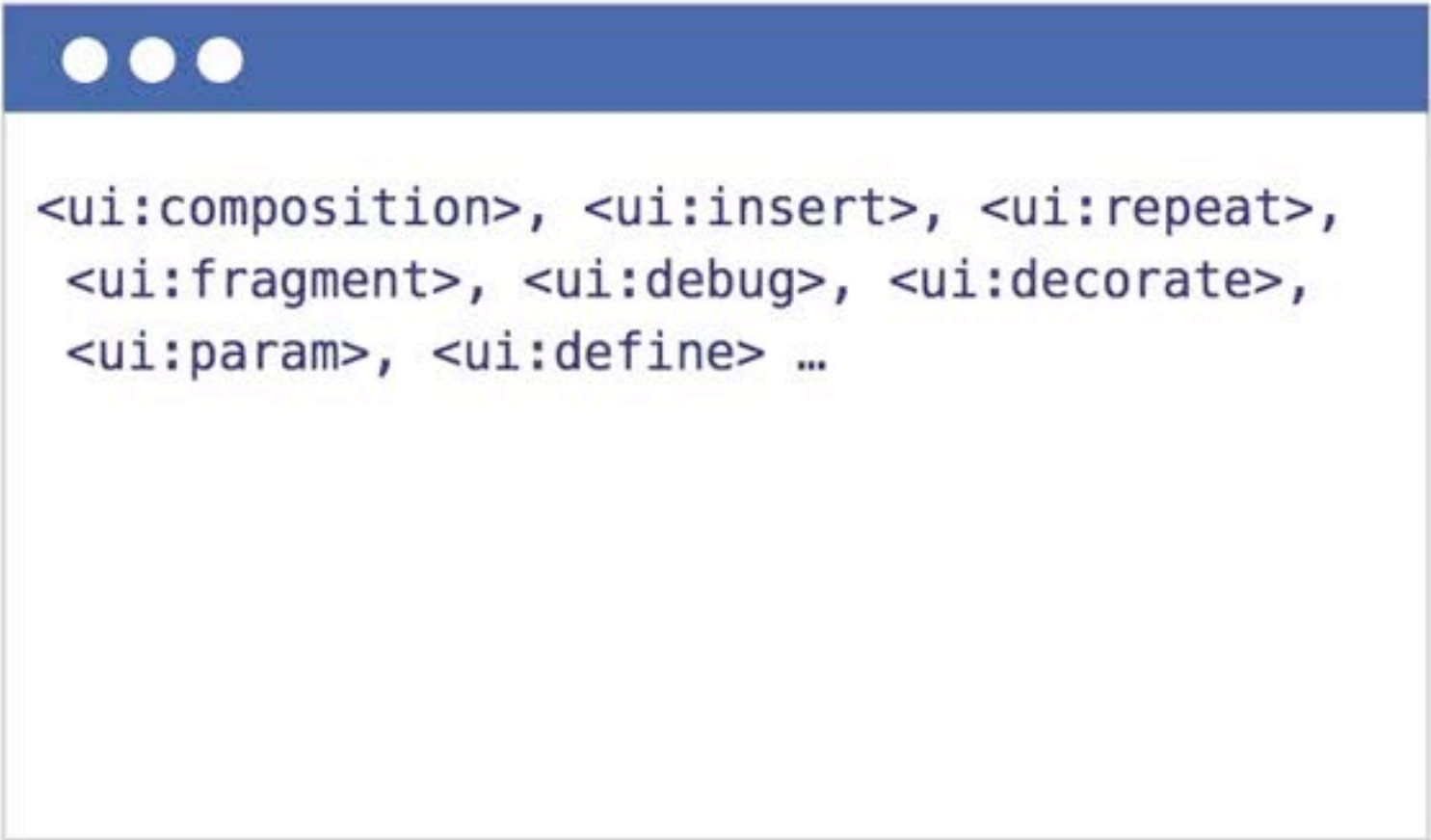
# AJAX and HTML 5



```
<h:commandButton id="submit" value="Submit">  
    <f:ajax event="click" />  
</h:commandButton>
```



# Facelets Tags



```
<ui:composition>, <ui:insert>, <ui:repeat>,  
  <ui:fragment>, <ui:debug>, <ui:decorate>,  
  <ui:param>, <ui:define> ...
```

# Core Tags



```
<f:convert>, <f:convertDateTime>,  
<f:lengthvalidate>, <f:ajax>,  
<f:loadBundle>, <f:selectItem>,  
<f:actionListener> ...
```

# CDI Scopes

- @ViewScoped, @FlowScoped, @FlowDefinition