Using AJAX



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Overview



Using AJAX

- Asynchronous JavaScript and XML

Using The f:ajax Tag

Demo



Adding AJAX Capabilities to Components



The f:ajax Tag

- Send an AJAX request when a component fires an event
 - Clicking a button or link
 - Changing the value of a text input component
 - A component gaining or losing focus
 - Mouse or keyboard interaction





For which type of event the AJAX request should be performed



Which components should participate in the execute phase of the lifecycle



Which components should participate in the render phase of the lifecycle



Common Events

- HTML standard DOM events
 - focus, blur, keydown, keypress, keyup, mouseover, mouseout, mousemove, mousedown, mouseup, click, dblclick, ...
- ActionSource components: action
- Editable Value Holder components: value Change



Execute and Render Attributes

- List of component IDs separated by spaces
- @all all components on the page
- @form all components in the form
- @this the component itself
- @none no components



Other Attributes of f:ajax

- listener attach a server-side event listener
- onevent attach a client-side event listener
- onerror attach a client-side error handler



Summary



Using the f:ajax Tag

- The **event** attribute
- The execute and render attributes



Thank You



User Interface

- Facelets, tag libraries, templating
- Resource libraries and contracts

Business Logic

- Managed beans, CDI, scopes
- Expression Language

Handling User Input

Validation and conversion

Request Processing Lifecycle

- Event listeners



Thank You



Navigation

- Rule-based navigation
- Faces Flows

Custom Tags and Custom Components

- Custom tag libraries
- Composite components

AJAX

