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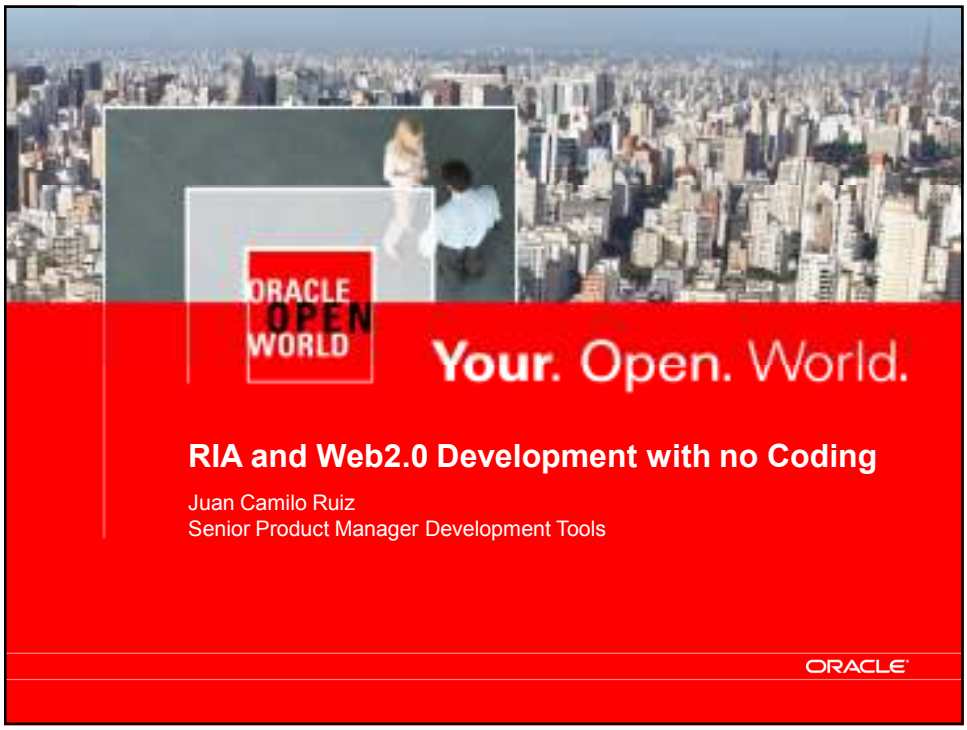

RIA and Web2.0 Development with no Coding

Juan Camilo Ruiz
Senior Product Manager Development Tools

The preceding is intended to outline our general product direction. It is intended for information purposes only, and may not be incorporated into any contract. It is not a commitment to deliver any material, code, or functionality, and should not be relied upon in making purchasing decisions. The development, release, and timing of any features or functionality described for Oracle's products remains at the sole discretion of Oracle.

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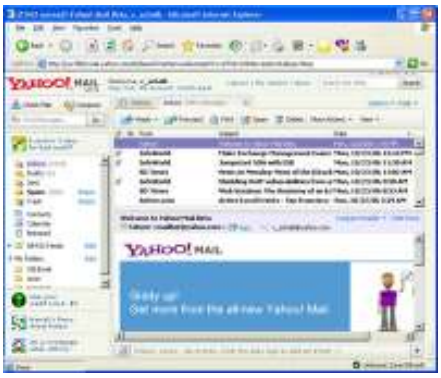
Web 2.0 User Interfaces



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What Do You Want in Your UI

- Refresh data on page without full page refresh
- Immediate validation
- Drag and drop
- Pop-up
- Dynamic and complex layouts
- Desktop type interaction in browser

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A Web 2.0 Solution- Ajax

- A community acronym used by the software industry for a set of related web browser technologies
- Asynchronous communication using native browser technologies
- Requests server data without page reload
- Uses the browser's XmlHttpRequest object

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Technologies for Ajax

- XHTML
- CSS
- Document Object Model (DOM)
- XML and XSLT
- XMLHttpRequest object
- JavaScript

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JDeveloper for AJAX Developers

- Visual HTML layout editor
- JavaScript editor
  - Code insight
  - Refactoring
- JavaScript Debugger
- CSS editor
  - Preview tab
- HTTP Monitor

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A Simple Approach
JSF and ADF Faces RC

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JSF In 60 Seconds

- Simplifying Web Development
  - Server side UI generation
  - **Component based** not mark-up
  - Automatic event and state handling
  - Diverse client base not just HTML
  - Designed with tooling in mind
  - Applicable to wide spectrum of programmer types
- A Java EE standard

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Introducing ADF Faces Rich Client 11*g*

- 150+ AJAX enabled JavaServer Faces components
- Data Visualization components
  - Graphs, Gauges, Maps, Gantt, Hierarchy Viewer
- More than just components – a framework

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ADF Faces RC - Framework

- Dialog and popup framework
- Drag-and-drop framework
- Navigation menu framework
- Partial page rendering
- Active data framework
- Advanced data streaming
- Complete JavaScript API
- Templating
- Skinning
- Accessibility

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Demonstration

Layout Components

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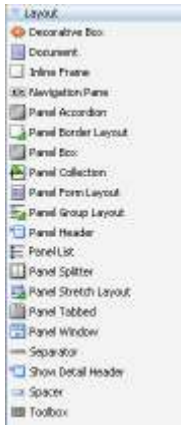
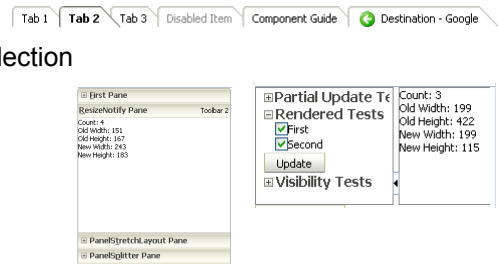
Layout Components

- Arrange your page using areas
- Change page layout at runtime
  - Splitter
  - Accordion
- Advanced layouts
  - Tabbed
  - Panel Collection





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Demonstration

Common Components

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Common Components

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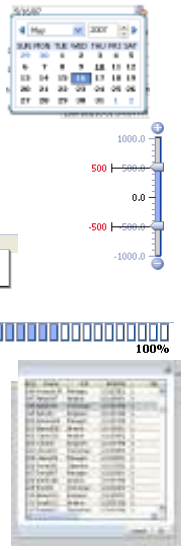
Common Components

- Regular components
  - Text items, buttons, check boxes, radio buttons
- List selection components
  - Single select, multiple select, combo box, shuttle
- Data layout components
  - Table, tree, tree table
- Choosers
  - Choose date, choose color
- Menus
- Others
  - Progress bar, bread crumbs …



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Demonstration

Operation Components
And
Framework Capabilities

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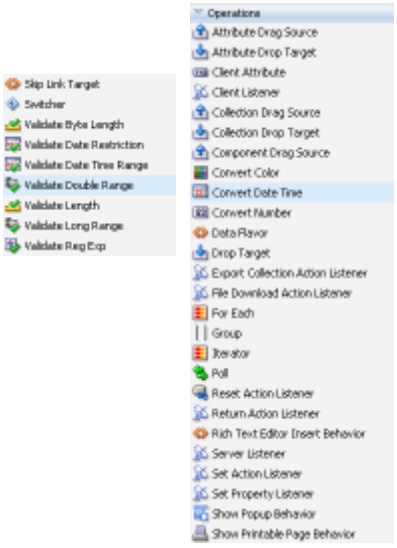
Operation Components

- Validators
- Convertors
- Drag and drop
- Pop up
- Poll
- Listeners
- Export
- Print



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Demonstration

Data Visualization Components

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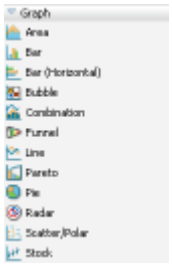
ADF Faces Visualization components

- Graphs
  - 50 graph types
  - Flash or SVG rendering
  - Interactive: zoom, scroll, time selector window, line and legend highlighting/fading, dynamic reference lines and areas
- Gauge
  - Dial: standard and threshold
  - Status Meter: standard and threshold
  - LED



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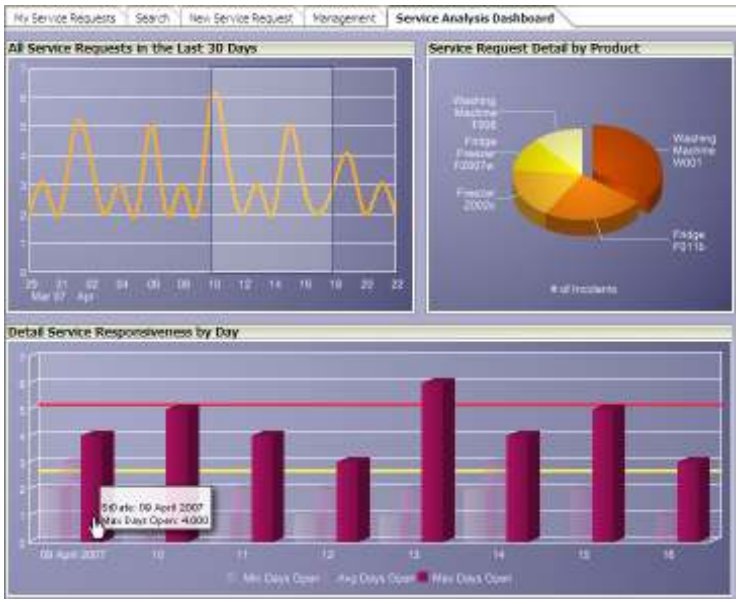

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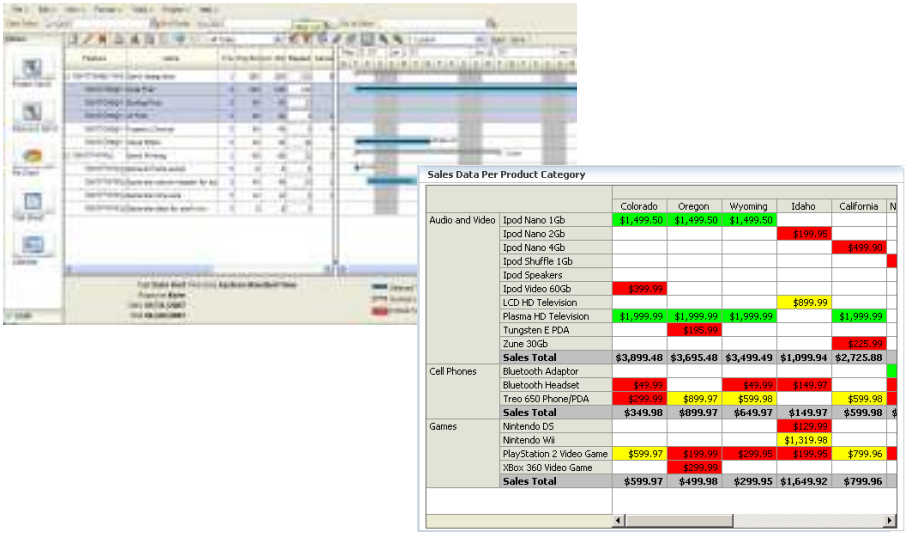

		Colorado	Oregon	Wyoming	Idaho	California
Audio and Video	Ipod Nano 1Gb	$1,499.50	$1,499.50	$1,499.50		
	Ipod Nano 2Gb				$199.95	
	Ipod Nano 4Gb					$499.90
	Ipod Shuffle 1Gb					
	Ipod Speakers					
	Ipod Video 60Gb	$399.99				
	LCD HD Television				$899.99	
	Plasma HD Television	$1,999.99	$1,999.99	$1,999.99		$1,999.99
	Tungsten E PDA		$195.99			
	Zune 30Gb					$225.99
	Sales Total	**$3,899.48**	**$3,695.48**	**$3,499.49**	**$1,099.94**	**$2,725.88**
Cell Phones	Bluetooth Adaptor					
	Bluetooth Headset	$49.99		$49.99	$149.97	
	Treo 650 Phone/PDA	$299.99	$899.97	$599.98		$599.98
	Sales Total	**$349.98**	**$899.97**	**$649.97**	**$149.97**	**$599.98**
Games	Nintendo DS				$129.99	
	Nintendo Wii				$1,319.98	
	PlayStation 2 Video Game	$599.97	$199.99	$299.95	$199.99	$799.96
	XBox 360 Video Game		$299.99			
	Sales Total	**$599.97**	**$499.98**	**$299.95**	**$1,649.92**	**$799.96**

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ADF Data Visualization Geographic Map

- Represents business data on a geographic map
- Supports superimposing multiple layers of information on a single map
- Available Map types are:
  - Thematic
  - Pie
  - Bar
  - Point

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