RIAs and Web 2.0 Development Made Simple

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Your Users are Using These at Home:
How Are Your Applications Look?
What’s The Difference?

- Better Looking UI
- Better User Interaction
- Better Feedback
- Better Data Visualization
- Better Process Flow
How Does It Work?

• AJAX
  • asynchronous JavaScript and XML
  • DOM
  • XHTML
  • CSS
  • XML/XSLT
  • XMLHttpRequest
  • JavaScript
• Maybe some Flash
We Have The Tools

- Oracle JDeveloper includes:
  - Visual HTML layout editor
  - JavaScript editor
    - Code insight
    - Refactoring
  - JavaScript Debugger
  - CSS editor
    - Preview tab
  - HTTP Monitor
But The Challenge

- Thousands of developers
- Most don’t know Ajax technologies
- Most come from 4GL background
- Expecting a visual and declarative approach
- Don’t have time to learn all the new Ajax technologies
- Need to focus on their specific application needs
THERE MUST BE A SIMPLER WAY...
A Simpler Approach

JSF and ADF Faces Components
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
Oracle ADF Faces – Oracle’s UI Framework

- Component approach to page construction
- Ajax baked-in the component
- Visual and declarative development
- The standard UI platform at Oracle
  - Oracle Fusion Applications
  - Oracle Products
    - Web Center
    - SOA
    - Enterprise Manager
Oracle Fusion Applications
Oracle BPM WorkList

### Operations Order Review [68023]

**Task Details**

- **Order [Warning: Delivery Date at Risk]**
- **Line Number 1**

<table>
<thead>
<tr>
<th>Integration Id</th>
<th>Net Price</th>
<th>Part Number</th>
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<tbody>
<tr>
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<td>123499</td>
<td>ISAT100</td>
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**Product**

- Vision Enterprise Servers

**Quantity Requested**

- 1

**Account Id**

- 36IA-2MD27

**Order Number**

- 68023

**Order Total**

- 124418.98

**Due Date**

- Oct 5, 2009 10:59 AM

**Created**

- Oct 5, 2009 11:31 AM

**State**

- Assigned

**Expires**

- Oct 5, 2009 11:31 AM

**Assignee**

- Jstein (U)

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Oracle WebCenter Spaces

This is the Product Management workspace for **FMW 11g R1 Phase 2 Release Project**.
For questions regarding this workspace or this project, please contact Margaret Lee@oracle.com (650-506-5917)

**WEEKLY TEAM MEETINGS**
Wednesdays, 11-12 PST

**NEXT MEETING**
Wednesday, October 21, 11-12AM PST
Intercom: 92968859296885
Conference: oracle.com

**ACTION ITEMS BEFORE NEXT MEETING**
- Identify single point of contact going forward
- Send Margaret CFO/Wiki/WebCenter location of your team’s rollout planning
- Determine if your team is ready to and plans to support Hands-on based training in Java/Java time frame
  (Awareness and Proficiency content will be required for all)
Oracle Enterprise Manager
Square Two Financial
MedNet
Cuyahoga County
Over 150 Ajax Enabled Components
More Than Components – A Framework

- Dialog and popup windows
- Drag-and-drop
- Navigation menu
- Partial page rendering
- Active data framework – ajax communication
- Advanced data streaming – push communication
- Complete JavaScript API
- Templating
- Skinning
- Accessibility
Layout Components

- Arrange your page using areas
- Change page layout at runtime
  - Splitter
  - Accordion
  - Show detail
- Advanced layouts
  - Tabbed
  - Dashboards
  - Borders
Demonstration

Arranging a Page with Layout Components
Common Components

• Input/Output components
  • Text items, check boxes, radio buttons, date

• Selection components
  • Single select, multiple select, combo box, LOV, shuttle

• Tables and Trees

• Navigation components

• Others
  • Progress bar
  • bread crumbs …
Some More Advanced Components

Calendar

Query

Carousel
Demonstration

Displaying Data with Common Components
Operation Components

- Eliminate JavaScript Coding:
- Drag and drop
- Autosuggest
- Pop up
- Poll
- Validators
- Listeners
- Convertors
- Export
- Print
Demonstration

Adding Client Functionality with Operation Components
Demonstration

Framework Capabilities
Graphs

- 50 graph types
- Flash or PNG rendering
- Interactive: zoom, scroll, time selector window, line and legend highlighting/fading, dynamic reference lines and areas
Gauges

- Dial: standard and threshold
- Status Meter: standard and threshold
- LED
Geographic Maps

- 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
Pivot Table

- Multiple layers of data labels on a row or a column edge
- Automatic calculation of subtotals and totals
- Drag and drop pivoting
- Drill and edit enabled
Gantt Chart

- Track tasks and resources on a Time
- Gantt Chart types
  - Project Gantt
  - Scheduling Gantt
  - Resource Gantt
Hierarchy Viewer

- Drill
- Change Layout
- Zoom
- Cards
- Pop-up
Demonstration

Data Visualization
Conclusion

- Oracle ADF Faces – a Simpler Way to RIA
  - Rich component set
  - Ajax built-in
  - Data visualization
  - Capable underlying framework
  - Easy to develop with
Learn More

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