



ORACLE®

Betting Big on JavaServer Faces: Components, Tools, and Tricks

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Oracle Corporation

Oracle's Betting Big on JSF...

- ▶ Standards
- ▶ Tools
- ▶ Components
- ▶ Frameworks
- ▶ Web Application Generators
- ▶ Community
- ▶ Enterprise Applications

Oracle's Betting Big on JSF...

▼ Standards

- Key Member of JSF Expert Group
- Significant Experience in AJAX-Enabled Components

▶ Tools

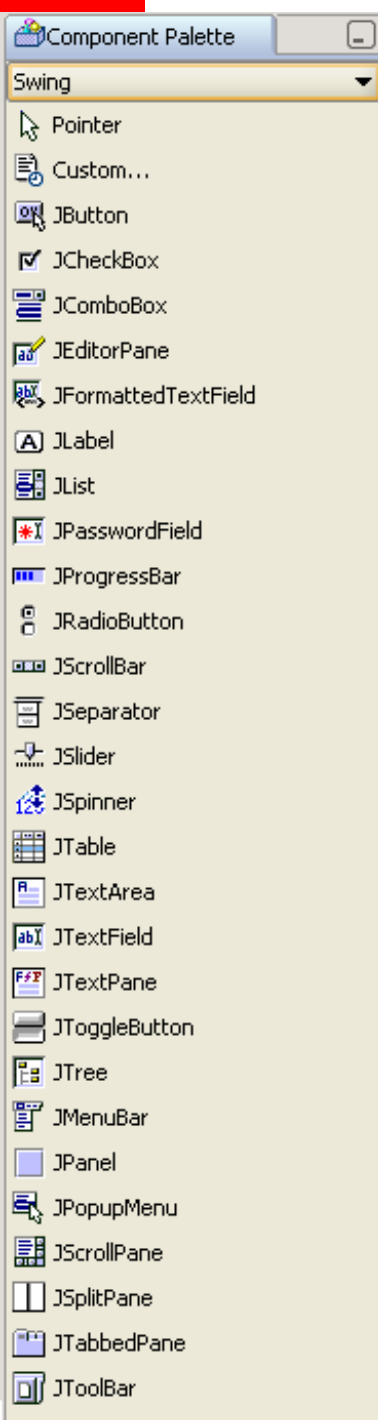
▶ Components

▶ Frameworks

▶ Web Application Generators

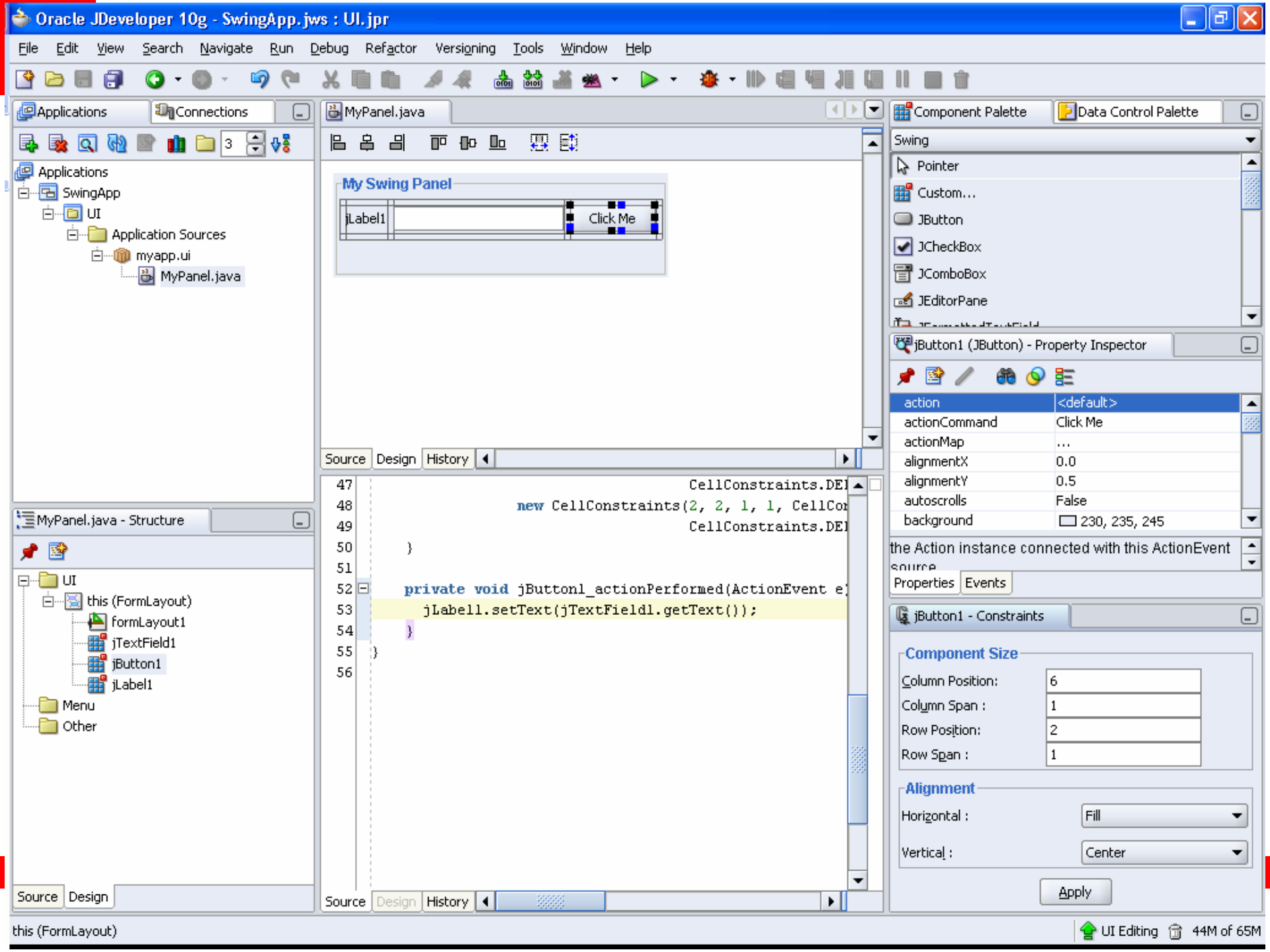
▶ Community

▶ Enterprise Applications



Standard Component Model for *Desktop* Development

- J2SE Provides the Swing JComponent
- Swing Components:
 - Have Properties and Events
 - Can Contain Other Components
 - Predictable Rendering & Event-Handling Lifecycle
- Rich Library of UI Components
- Numerous Java IDE's Offer Tool Support
- Third Party Component Libraries



Web Development Before JSF (Circa 2004)

 = Component-Based, WYSIWYG Design

Scripting

L.A.M.P

.NET

.NET

Java (J2EE)

ADF

WebWork

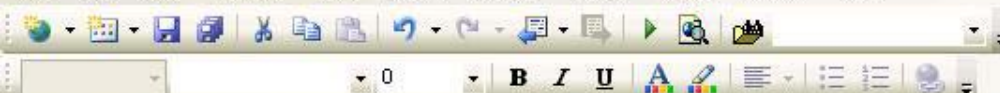
Spring +

Tapestry

Struts

UIX





Toolbox

- ☒ CheckBox
- ☐ CheckBoxList
- ☐ RadioButton
- ☐ RadioButtonList
- ☐ Image
- ☐ DynamicImage
- ☐ ImageMap
- ☐ Table
- ☐ BulletedList
- ☐ HiddenField
- ☐ Literal
- ☐ TreeView
- ☐ Calendar
- ☐ AdRotator
- ☐ FileUpload
- ☐ PhoneLink
- ☐ ContentPager
- ☐ Wizard
- ☐ Xml
- ☐ MultiView
- ☐ Panel
- ☐ Placeholder
- ☐ View
- ☐ Substitution
- + Data**
- + Validation**
- + Navigation**
- + Login**
- + WebParts**
- + HTML**
- General**
- Pointer**

Default.aspx.cs

Default.aspx

Button1_Click(object sender, EventArgs e)

```

3 using System.Configuration;
4 using System.Web;
5 using System.Web.Security;
6 using System.Web.UI;
7 using System.Web.UI.WebControls;
8 using System.Web.UI.WebControls.WebParts;
9 using System.Web.UI.HtmlControls;
10
11 public partial class Default_aspx
12 {
13     void Button1_Click(object sender, EventArgs e)
14     {
15         Label1.Text = TextBox1.Text;
16     }
17 }
    
```

Default.aspx



Solution Explorer



Solution Expl...

Database Ex...

Properties

Button1 System.Web.UI.WebContr...



Appearance

BackColor
 BorderColor
 BorderStyle NotSet
 BorderWidth
 CssClass

Font

ForeColor
 SoftkeyLabel
 Text **Button**

Behavior

Text

The text to be shown on the button.

Design

Source

<html>

<body>

<form#form1>

<div>

<asp:button#button1>



Toolbox

- DropDownList
- ListBox
- ☒ CheckBox
- CheckBoxList
- RadioButton
- RadioButtonList
- Image
- DynamicImage
- ImageMap
- Table
- BulletedList
- HiddenField
- Literal
- TreeView
- Calendar
- AdRotator
- FileUpload
- PhoneLink
- ContentPager
- Wizard
- Xml
- MultiView
- Panel
- Placeholder
- View
- Substitution
- Data**
- Validation**
- Navigation**
- Login**
- WebParts**
- HTML**
- General**

Default.aspx* Default.aspx.cs

Client Objects & Events

(No Events)

```

1 <%@ Page Language="C#" CompileWith="Default.aspx.cs" ClassName="Default_aspx" %>
2 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1//EN" "http://www.w3.org/TR/xhtml11/DTD/xht
3 <html xmlns="http://www.w3.org/1999/xhtml">
4 <head runat="server">
5   <title>Untitled Page</title>
6 </head>
7 <body>
8   <form id="form1" runat="server">
9     <div>
10      <asp:Label ID="Label1" Runat="server" Text="Label"></asp:Label>
11      <asp:TextBox ID="TextBox1" Runat="server"></asp:TextBox>
12      <asp:Button ID="Button1" Runat="server" Text="Button" OnClick="Button1_Click" />
13    </div>
14  </form>
15 </body>
16 </html>
17

```

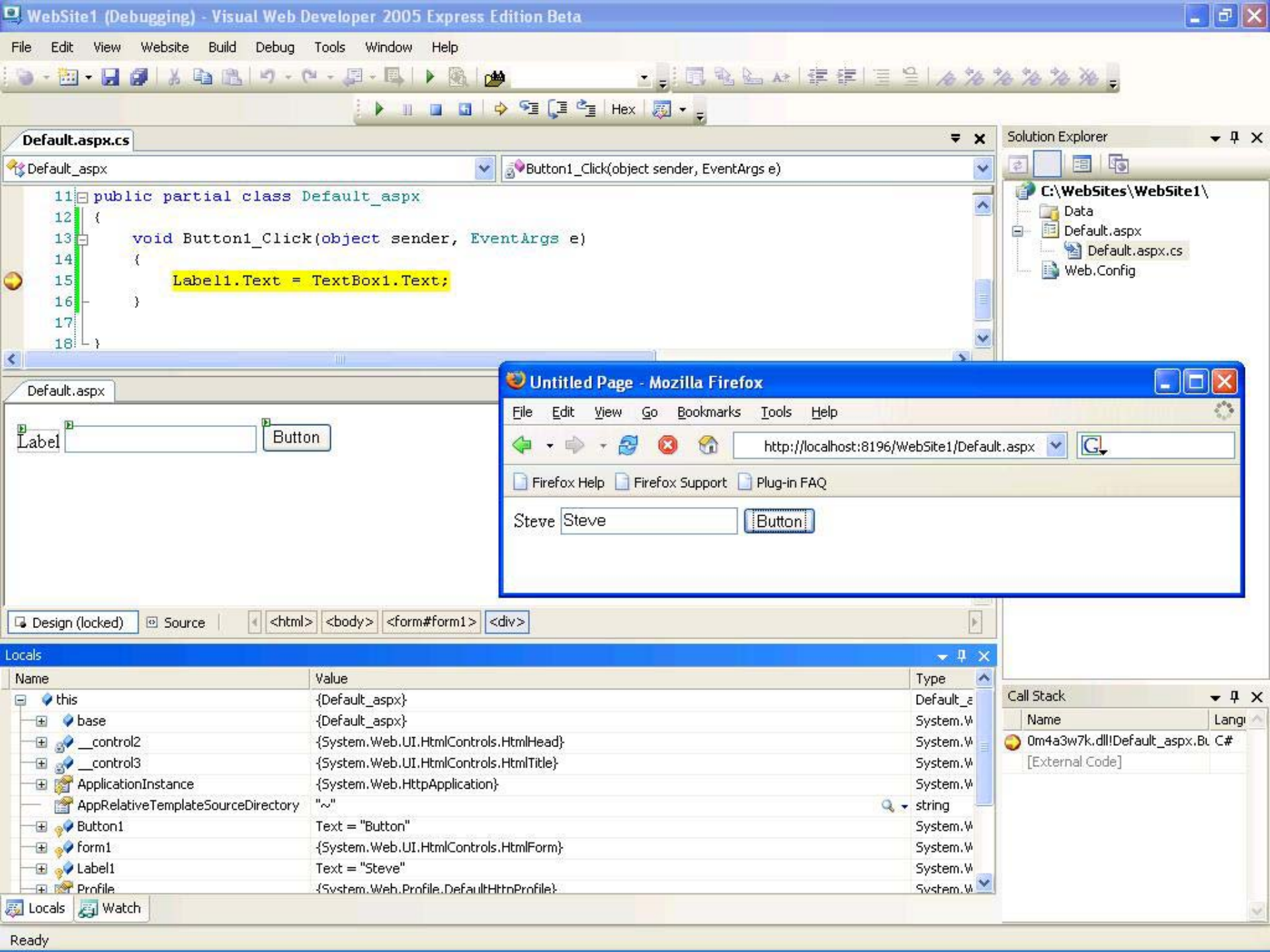
Design

Source

<html>

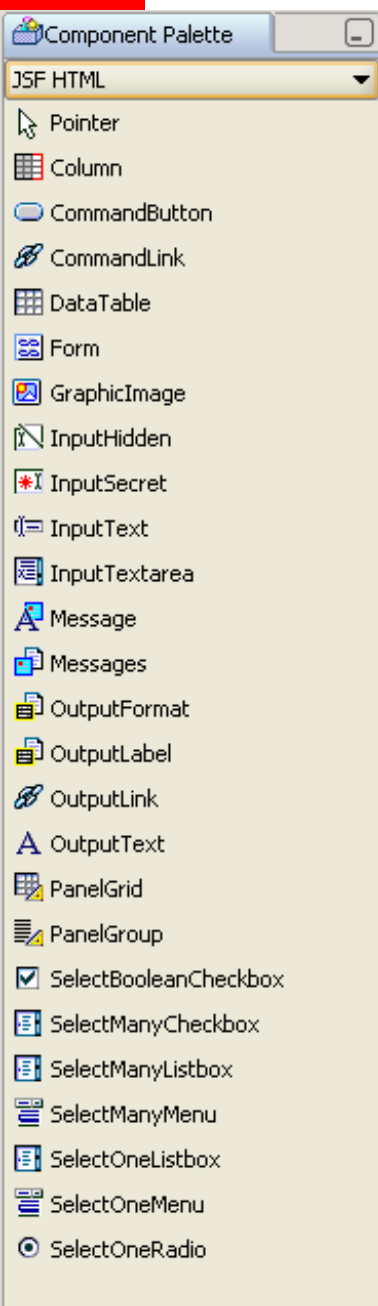
<body>

<form#form1>



JavaServer Faces: Net .Net

- Allows J2EE to Rival/Beat ASP.Net in Productivity
- With Many Choices for:
 - Hardware Platform
 - Operating System
 - Tools
 - Components
 - Application Server



JSP HTML JSP Tag Library

- Simple Components
 - Link, Button, Input Fields, Output Text, Select Lists, Radio Groups, Error Messages, etc.
- Composite Components
 - DataTable
- Layout Panels
 - Group & Arrange Contained Components



D E M O N S T R A T I O N

Simple Example of Using JSF UI Components

JavaServer Faces (JSF) JSR-127

- Standard Thin Client Development Framework
 - Components with Properties and Events
 - Validators
 - Model-Layer Integration
 - Page Navigation
- Designed To Be Leveraged By Tools
- Many Component Libraries Already Available

JSF vs. Traditional JSP

	JSP	JSF
Developer	Lower Level	Ease of Development
Events	Http Requests	Java
UI	Markup	UI Components
Product	Pages	Applications

Oracle's Betting Big on JSF...

▶ Standards

▼ Tools

- Comprehensive IDE Support for JSF
- Visual Studio 2005 Enterprise Features, J2EE-Based

▶ Components

▶ Frameworks

▶ Web Application Generators

▶ Community

▶ Enterprise Applications

JSF EL & Managed Beans

- Expression Language Connects UI Components
 - To Model Properties for Data...

```
<h:inputText id="lastName"  
             required="true"  
             value="#{customer.lastName}"/>
```

- To Web-Tier Application Object Methods for Handling Events...

```
<h:commandButton id="save"  
                 value="Save Changes"  
                 action="#{customerHandler.saveAll}"/>
```

- Declaratively Configure Beans to Use
 - Managed Beans and Properties

JSF Components Can...

- Write values back to the model
- Deliver strongly-typed events to Event Handlers
- Automatically maintain UI state
- Validate user input
- Provide outcomes that drive page-flow

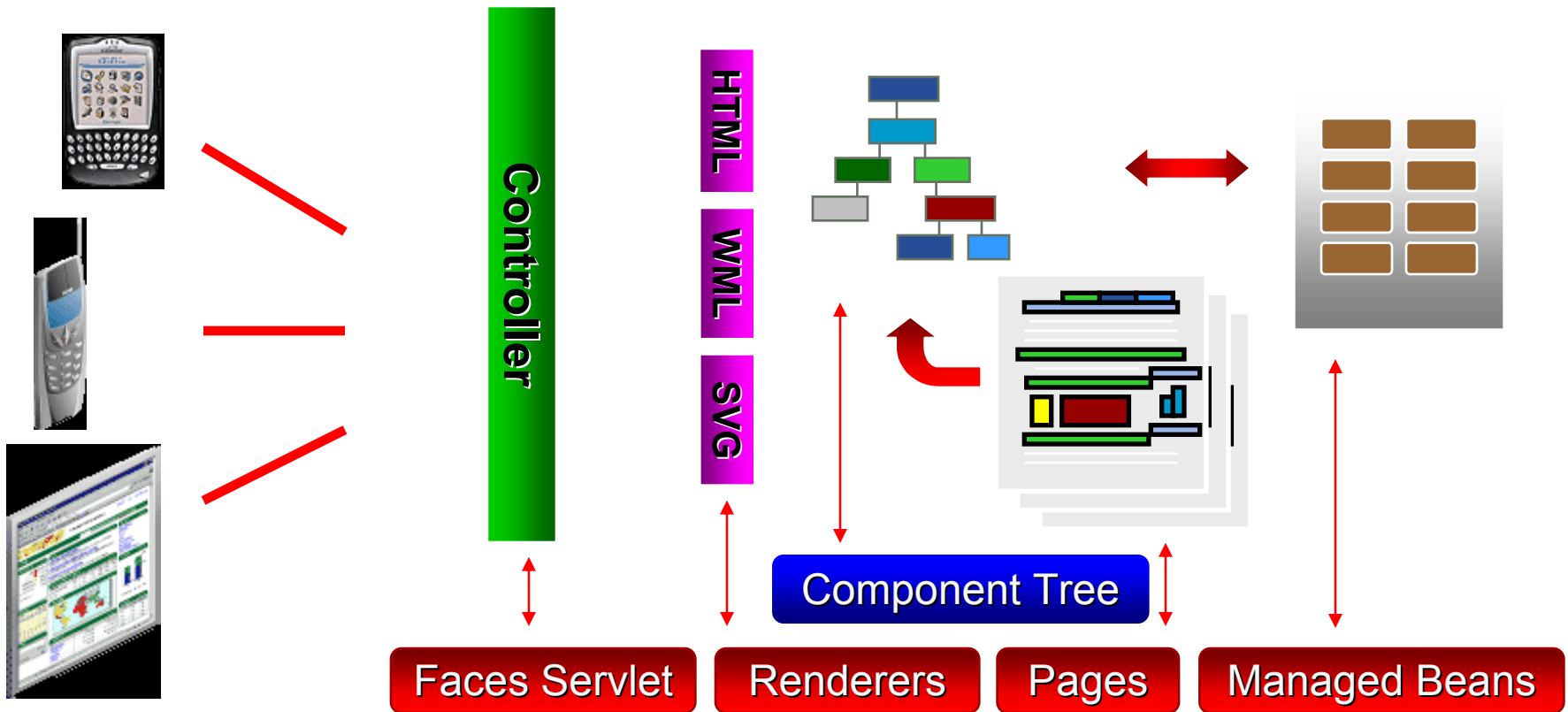


D E M O N S T R A T I O N

Backing Bean for a Page:

- **Defining Typed Properties**
- **Handling an Action**
- **“Wiring” Components to Properties**

JSF Architecture



Page Flow / Navigation Rules

- Component Events Can Trigger Action Methods

```
<h:commandButton  
    value="Press Me"  
    action="{handler.handlePress}"/>
```

- Action Methods Return a String Result
- faces-config.xml Can Contain Navigation Rules

```
<navigation-rule>  
    <from-view-id>page1.jsp</from-view-id>  
    <navigation-case>  
        <from-action>#{handler.handlePress}</from-action>  
        <from-outcome>case1</from-outcome>  
        <to-view-id>page2.jsp</to-view-id>  
    </navigation-case>  
    :  
</navigation-rule>
```

- String Outcome of Action Method Causes Navigation
 - Default Return value of null means “Stay on the Same Page”



D E M O N S T R A T I O N

Simple Page Navigation Example

Oracle's Betting Big on JSF...

- ▶ Standards
- ▶ Tools
- ▼ Components
 - Enterprise-Ready Library of Nearly 100 Controls
 - Sophisticated Skins and Multi-Device Support
- ▶ Frameworks
- ▶ Web Application Generators
- ▶ Community
- ▶ Enterprise Applications

Spec Allows Freedom to Innovate

- JSF Provides the Basic Extensibility Points
- And Supplies an Implementation of the Basics
- Vendors are Already Doing Extremely Interesting Things with Their JSF Component Libraries
- Look for Third-Party Libraries of:
 - UI Components
 - Render Kits
 - Validators

ADF Faces for JSF

- JavaServer Faces (JSR-127) Components
- Support Web Browsers, Mobile Devices
- Rich Components, Layouts, and Render Kits (\pm 100 Components)
- Powerful Runtime Features
 - Partial Page Rendering, Accessibility Support, Look and Feel "Skinning"

The collage displays various ADF Faces components:

- Table:** A table with columns 'Details', 'Name', and 'Age'. It shows a list of patients with a 'Hide' button and a 'Detailed Information' section for 'Sally'.
- Product Card:** A card for a 'CDROM' with a 'Product Name that spans 2 lines' and a 'Home' button.
- Progress Bar:** A horizontal progress bar with six steps: 'Visited Step1', 'Visited Step2', 'Visited Step3', 'Active Step4', 'Next Step5', and 'Next Step6'.
- Sidebar:** A sidebar with a 'UIX Controller' section containing 'Architecture' and 'Release' links.
- Form:** A form with a 'Finance' dropdown, a 'Go' button, and a 'Switch Applications' section.
- Processing Window:** A window titled 'Processing: Baking the cake' with a 'Cancel' button and a progress bar.



D E M O N S T R A T I O N

AJAX-Style Partial Page Rendering



D E M O N S T R A T I O N

ADF Faces in the SRDemo Sample App

- Tree, Train, Shuttle, Inline Tabs
- Inline Tabs
- Dialog Windows (LOV)
- Skins

Multi-client development

Ask Server

Conversation Options

Ask Server x

(18:07:00) jonas: 102
(18:07:03) Ask Server: Select Part to reserve
Paper Roller was found at the following locations. Select the part
WareHouse[]
1 San Mateo(7437)
2 San Jose(5335)
3 Fremont(3332)
Quantity[]

Warn Block Send File Remove

Choose Warehouse - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

http://127.0.0.1:8888/

Main Menu List Parts Locate/Reserve Parts Parts Inventory

Parts Demo

Choose Warehouse

Pick a matching Warehouse and press select -
Pick one of the matching warehouses.

Select

Select	Warehouse Id	Warehouse Location
<input type="checkbox"/>	504	Palo Alto
<input type="checkbox"/>	503	Redwood City
<input type="checkbox"/>	502	San Francisco

Main Menu List Parts Locate/Reserve Parts Parts Inventory

Done

Palm OS Simulator - [Simulator_F...]

Web Choose Warehouse

http://127.0.0.1:8888/

Parts Demo

Choose Warehouse

Pick a matching Warehouse and press select -
Pick one of the matching warehouses.

Select

Select	Warehouse Id	Warehouse Location
<input type="checkbox"/>	504	Palo Alto
<input type="checkbox"/>	503	Redwood City
<input type="checkbox"/>	502	San Francisco

Main Menu List Parts Locate/Reserve Parts Parts Inventory

Telnet 127.0.0.1

Select Part

Pick one of the matching parts.

Rows 1 - 5 of 5

Part Number	Part Name	Description
101	Ink Cartridge	For Xerox F233 Printer
102	Paper Roller	Paper Roller rolls paper out of printer
203	Paper Feeder	Feeds paper into printer
204	Front Cover	Covers the front of the printer
305	Scan Head	Scans documents for the copier

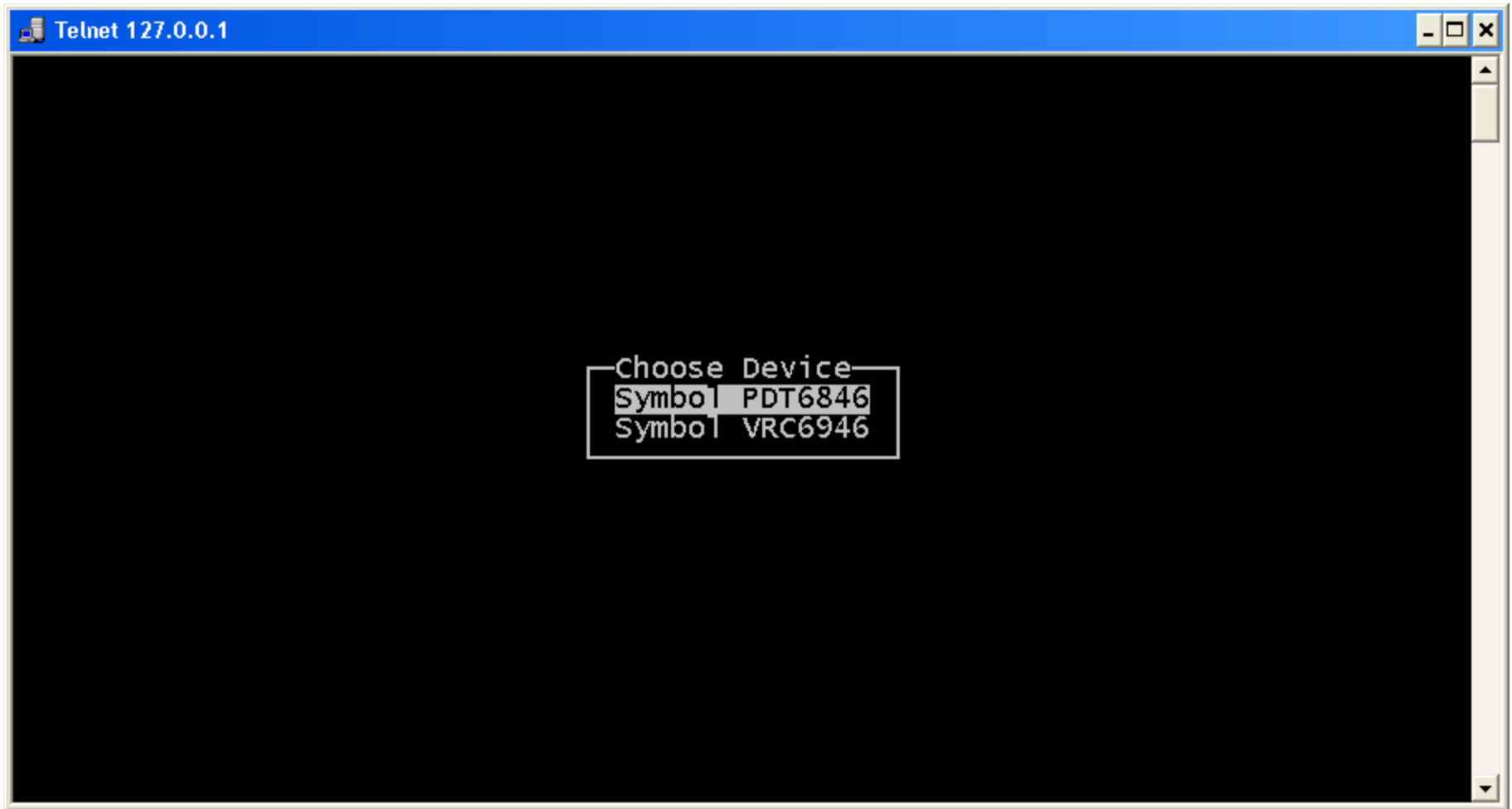
<Select>

D E M O N S T R A T I O N

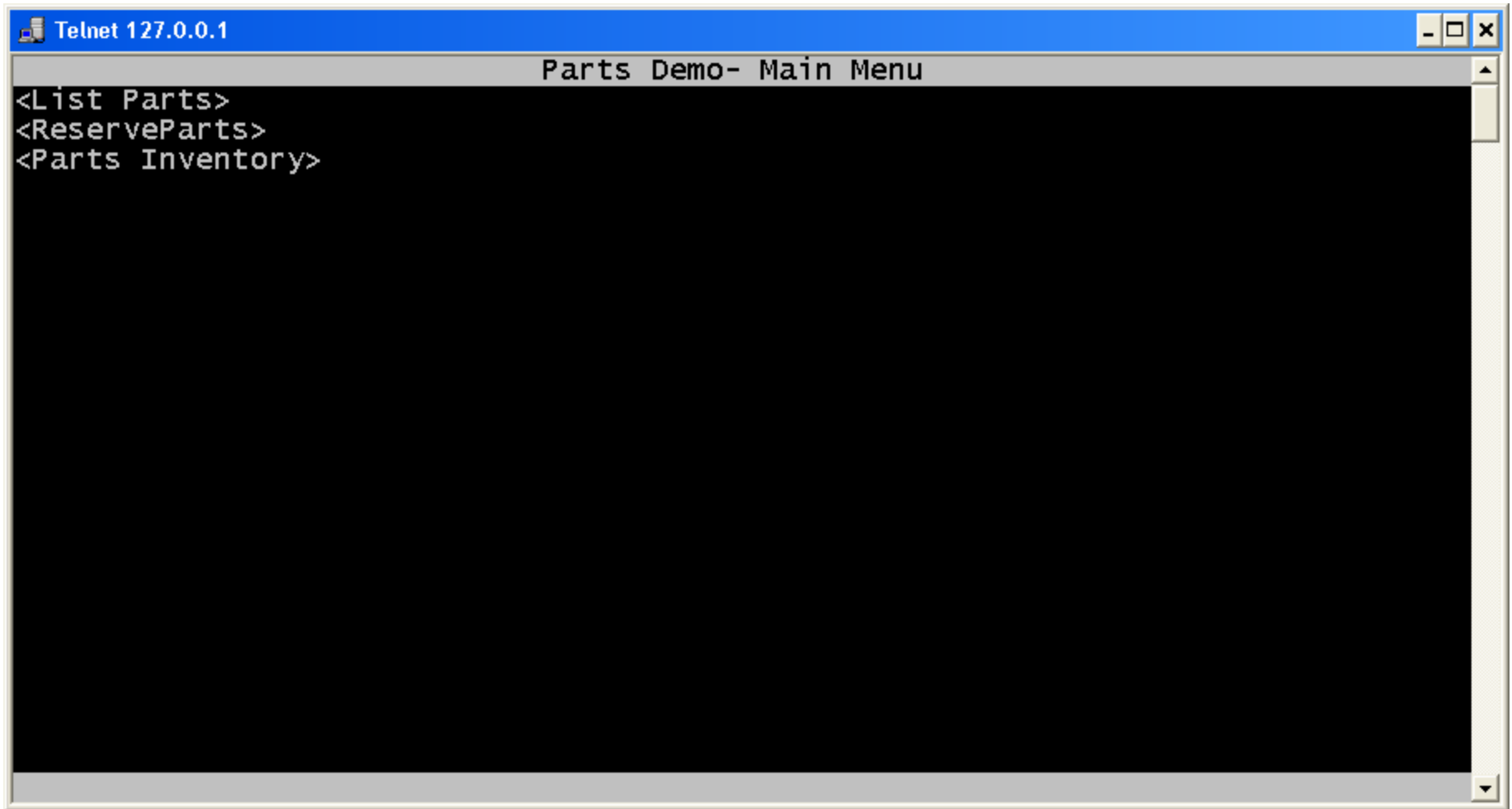
ADF Faces for Telnet and PDA Devices



ADF Faces on Telnet Device

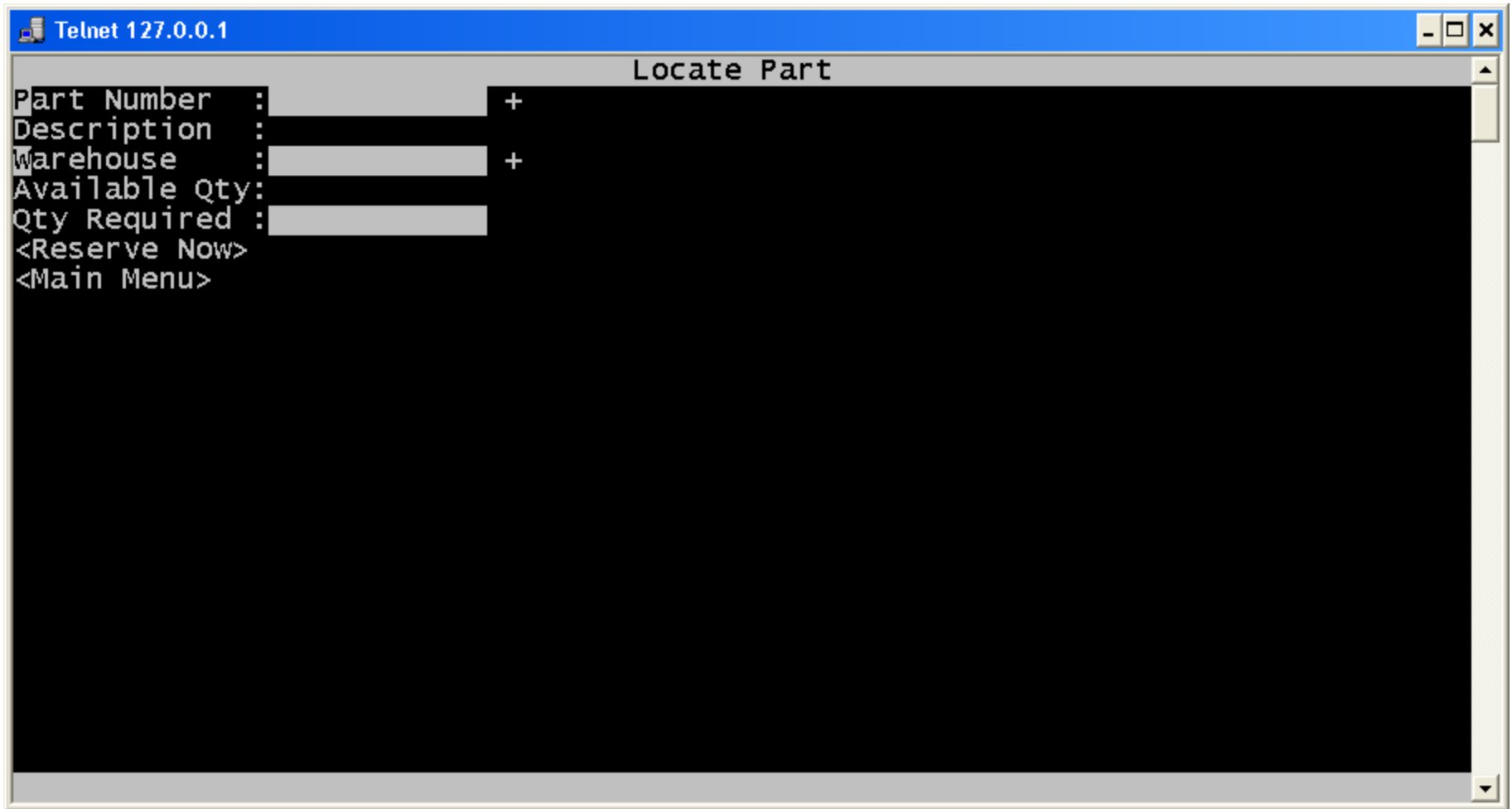


ADF Faces on Telnet Device

A screenshot of a Telnet session window. The title bar is blue and contains the text "Telnet 127.0.0.1" and standard window control buttons. Below the title bar is a grey header bar with the text "Parts Demo- Main Menu". The main area of the window is black with white text. The text displayed is: "<List Parts>", "<ReserveParts>", and "<Parts Inventory>".

```
Telnet 127.0.0.1
Parts Demo- Main Menu
<List Parts>
<ReserveParts>
<Parts Inventory>
```

ADF Faces on Telnet Device

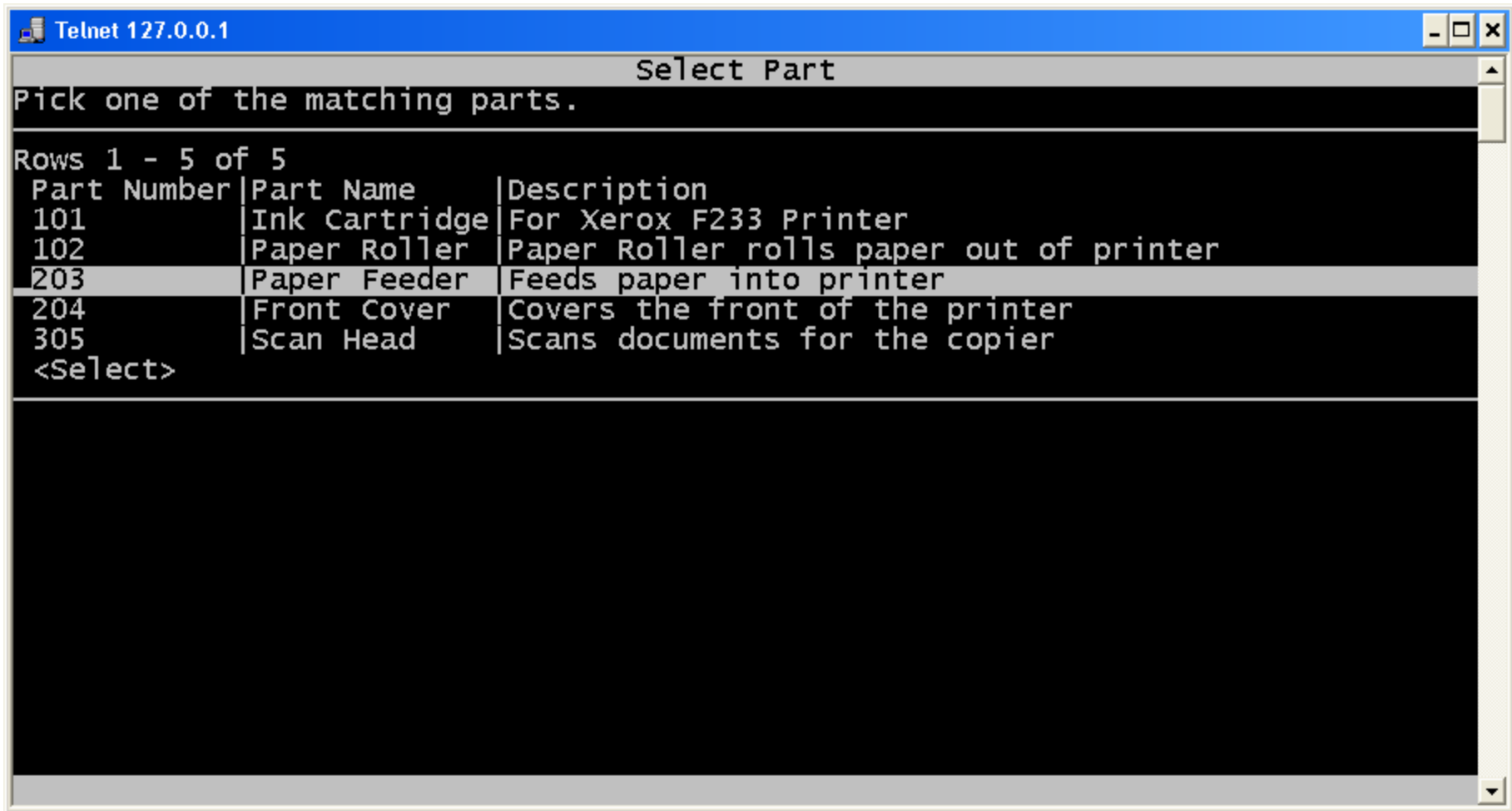


The screenshot shows a Telnet window titled "Telnet 127.0.0.1". Inside the window, there is a web application titled "Locate Part". The application has a form with the following fields and options:

- Part Number : +
- Description :
- Warehouse : +
- Available Qty:
- Qty Required :
- <Reserve Now>
- <Main Menu>

The form is displayed on a black background with a light gray border. The "Locate Part" title is centered at the top of the form area. The fields are arranged vertically on the left side, with plus signs next to the "Part Number" and "Warehouse" fields. The "Reserve Now" and "Main Menu" options are at the bottom of the form.

ADF Faces on Telnet Device



Telnet 127.0.0.1

Select Part

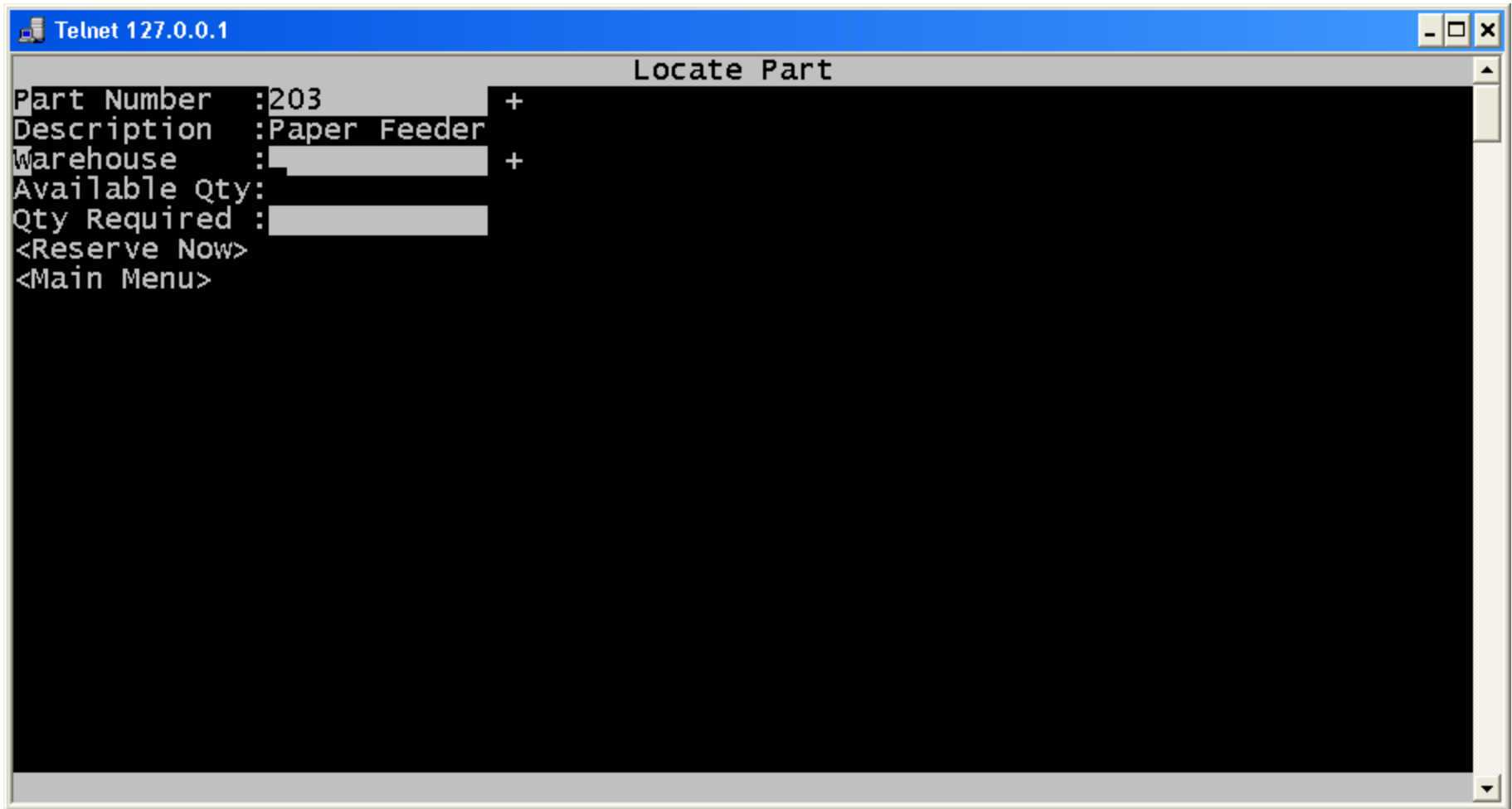
Pick one of the matching parts.

Rows 1 - 5 of 5

Part Number	Part Name	Description
101	Ink Cartridge	For Xerox F233 Printer
102	Paper Roller	Paper Roller rolls paper out of printer
203	Paper Feeder	Feeds paper into printer
204	Front Cover	Covers the front of the printer
305	Scan Head	Scans documents for the copier

<Select>

ADF Faces on Telnet Device

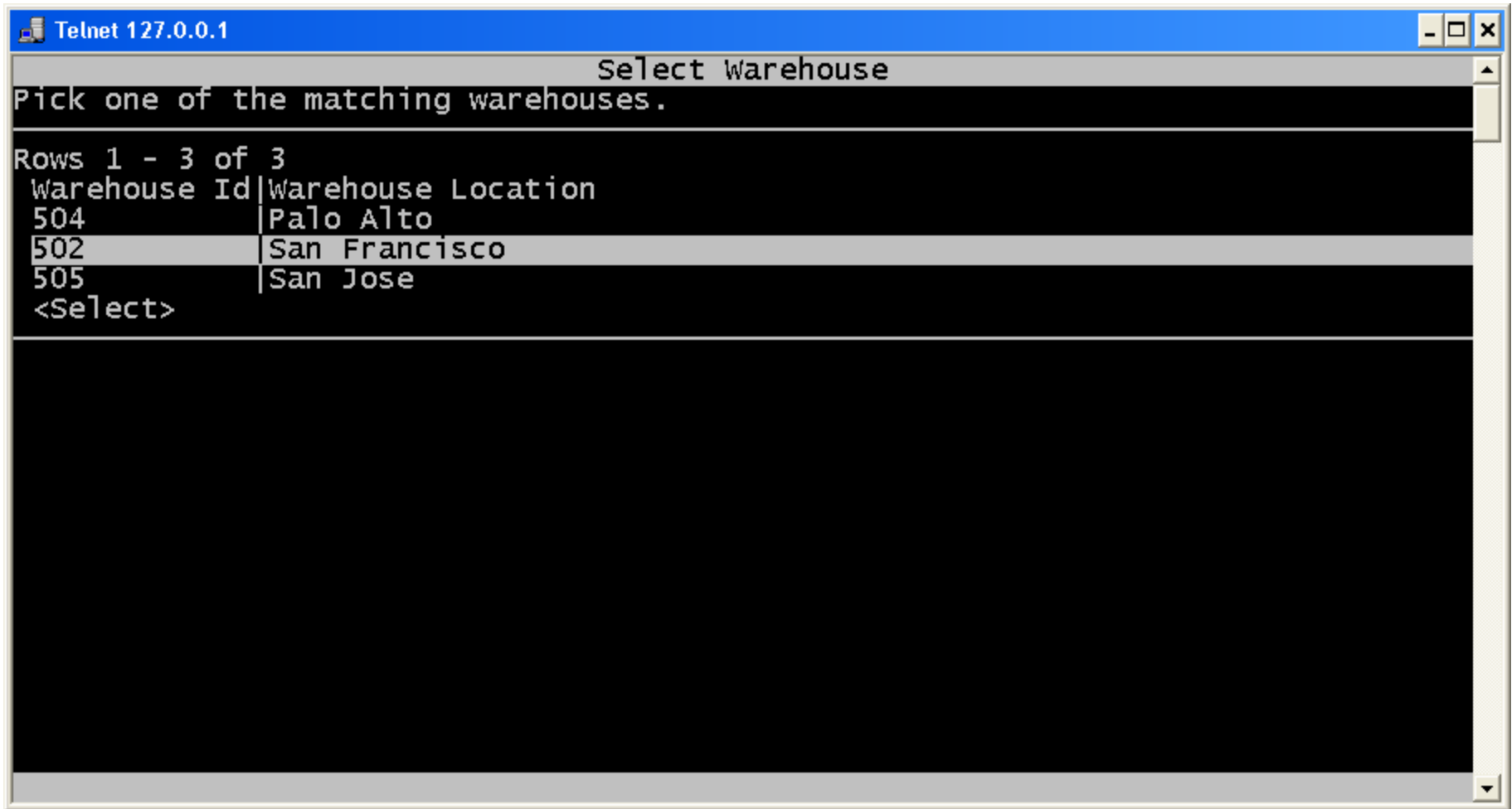


The screenshot shows a Telnet window titled "Telnet 127.0.0.1". Inside the window, there is a web application titled "Locate Part". The application displays a form with the following fields and options:

- Part Number : 203
- Description : Paper Feeder
- Warehouse : [input field]
- Available Qty: [input field]
- Qty Required : [input field]
- <Reserve Now>
- <Main Menu>

The form is displayed on a black background with white text. The input fields are represented by white rectangular boxes. The "Reserve Now" and "Main Menu" options are displayed as text links.

ADF Faces on Telnet Device

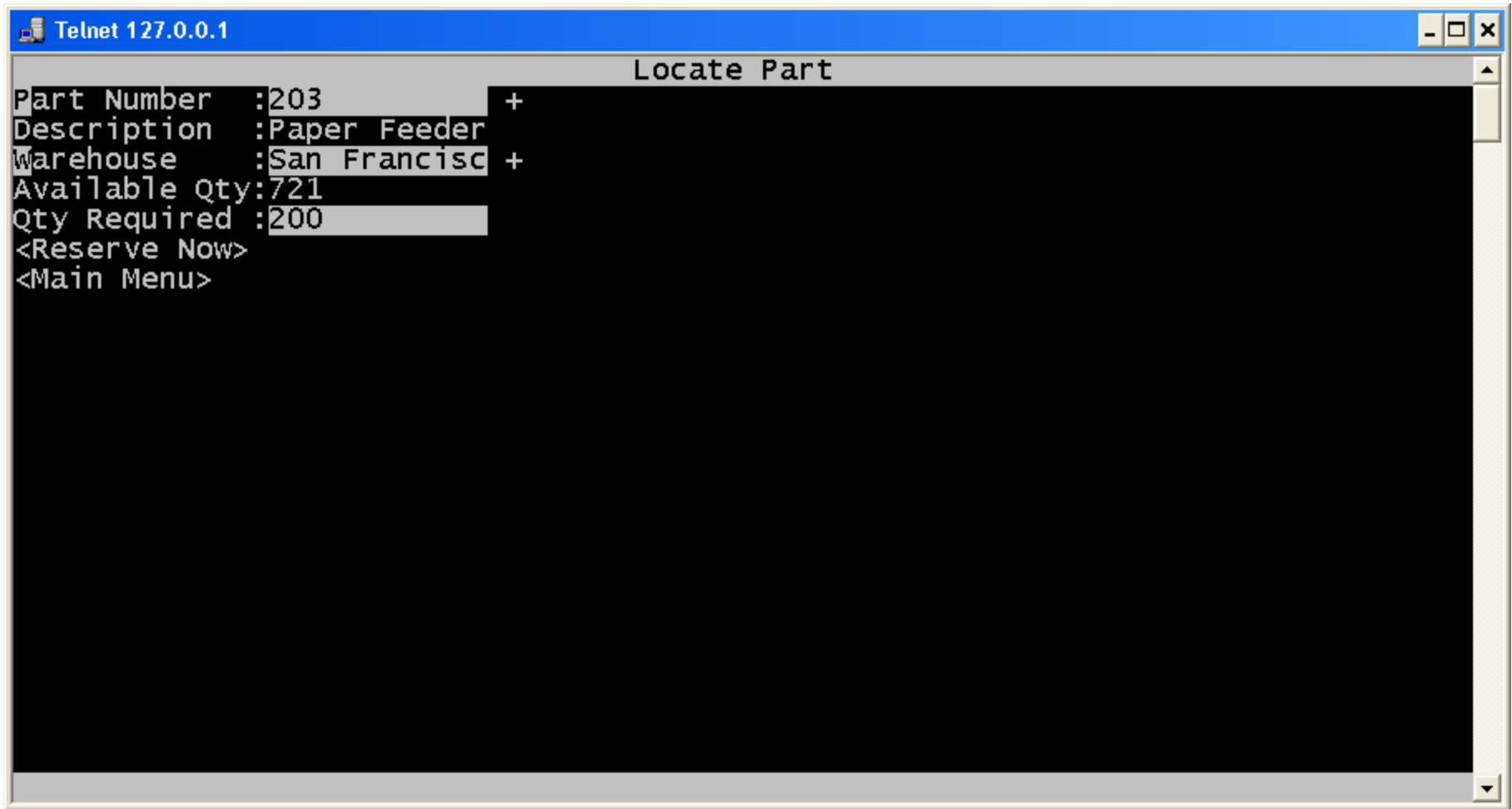


The screenshot shows a Telnet window titled "Telnet 127.0.0.1". The application displayed is an ADF Faces page titled "Select Warehouse". It prompts the user to "Pick one of the matching warehouses." and displays a table with three rows. The first row is highlighted, indicating it is the selected row. The table has two columns: "Warehouse Id" and "Warehouse Location". The rows are: 504 (Palo Alto), 502 (San Francisco), and 505 (San Jose). Below the table, there is a prompt "<Select>".

```
Telnet 127.0.0.1
Select Warehouse
Pick one of the matching warehouses.

Rows 1 - 3 of 3
Warehouse Id|Warehouse Location
504         |Palo Alto
502         |San Francisco
505         |San Jose
<Select>
```

ADF Faces on Telnet Device

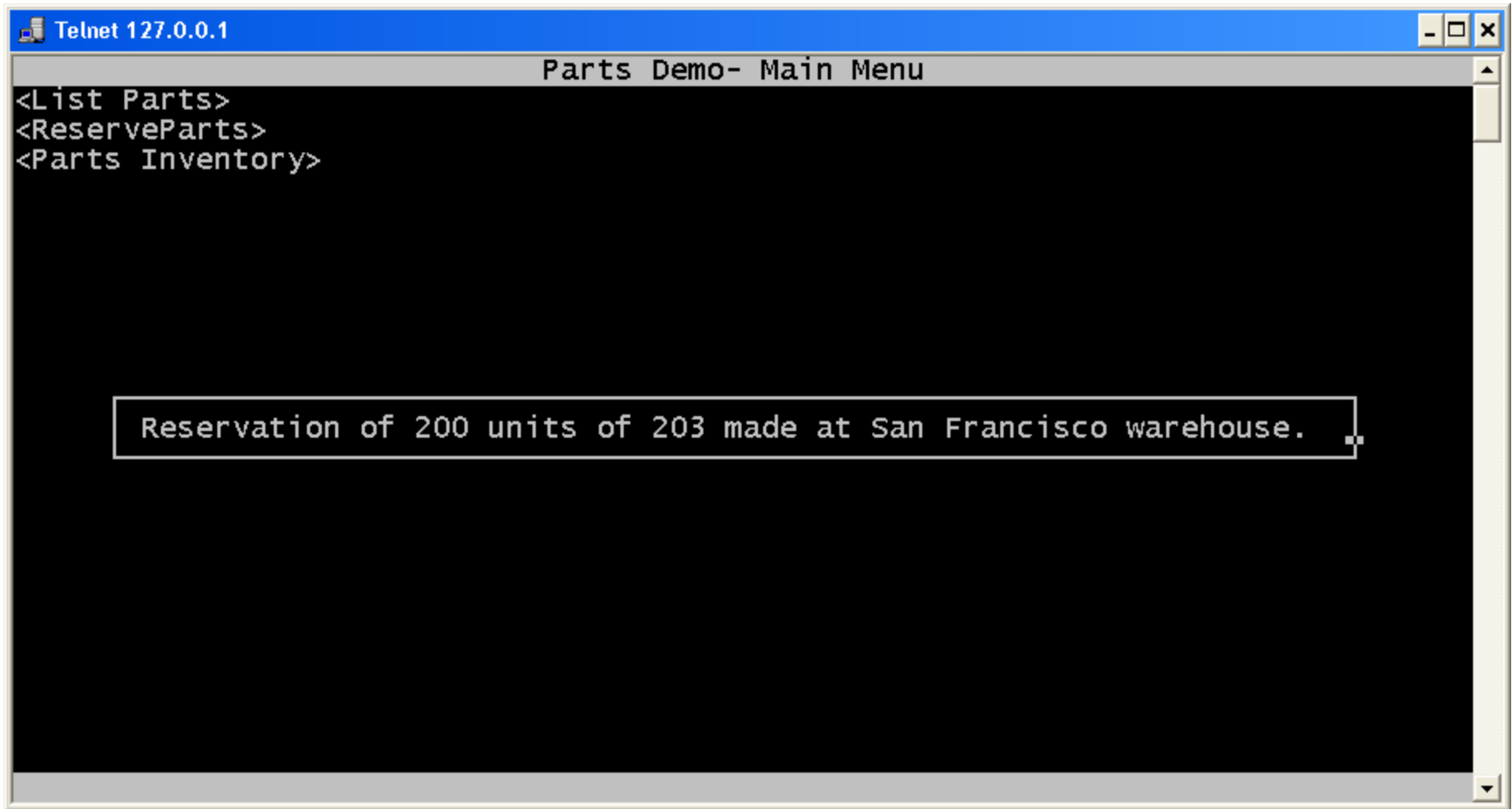


The screenshot shows a Telnet window titled "Telnet 127.0.0.1". Inside the window, there is a form titled "Locate Part". The form contains the following fields and options:

Part Number	:203	+
Description	:Paper Feeder	
Warehouse	:San Francisc	+
Available Qty	:721	
Qty Required	:200	

Below the form, there are two options: "<Reserve Now>" and "<Main Menu>".

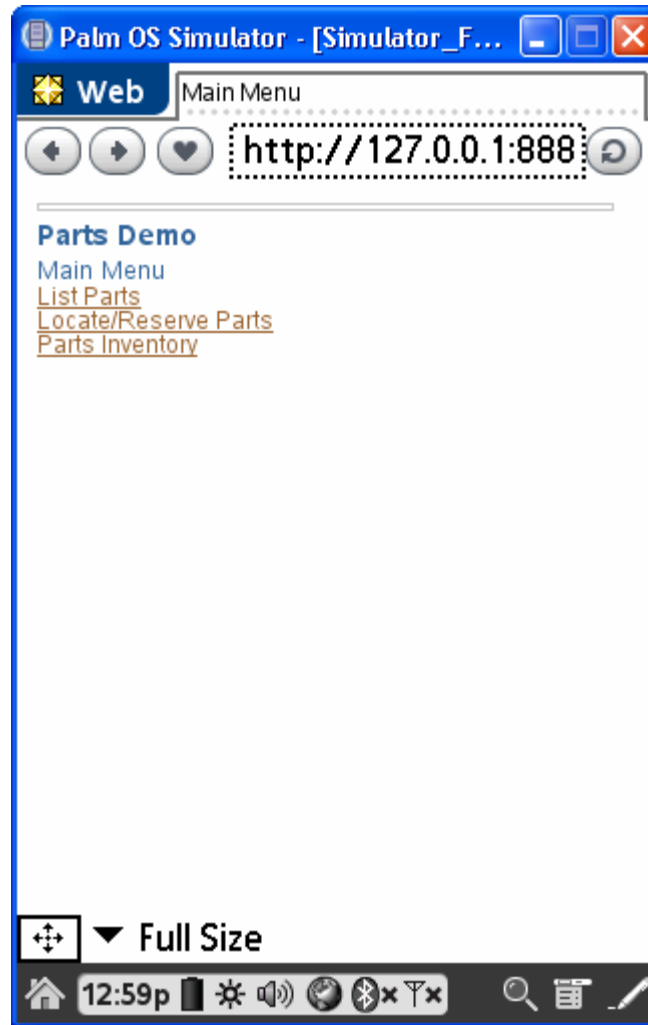
ADF Faces on Telnet Device

A screenshot of a Telnet session window titled 'Telnet 127.0.0.1'. The window has a blue title bar and standard window controls. Below the title bar is a grey header bar with the text 'Parts Demo- Main Menu'. The main area is black with white text. At the top, there are three menu options: '<List Parts>', '<ReserveParts>', and '<Parts Inventory>'. In the center, a white rectangular box contains the text 'Reservation of 200 units of 203 made at San Francisco warehouse.' followed by a small cursor icon. The window has a vertical scrollbar on the right side.

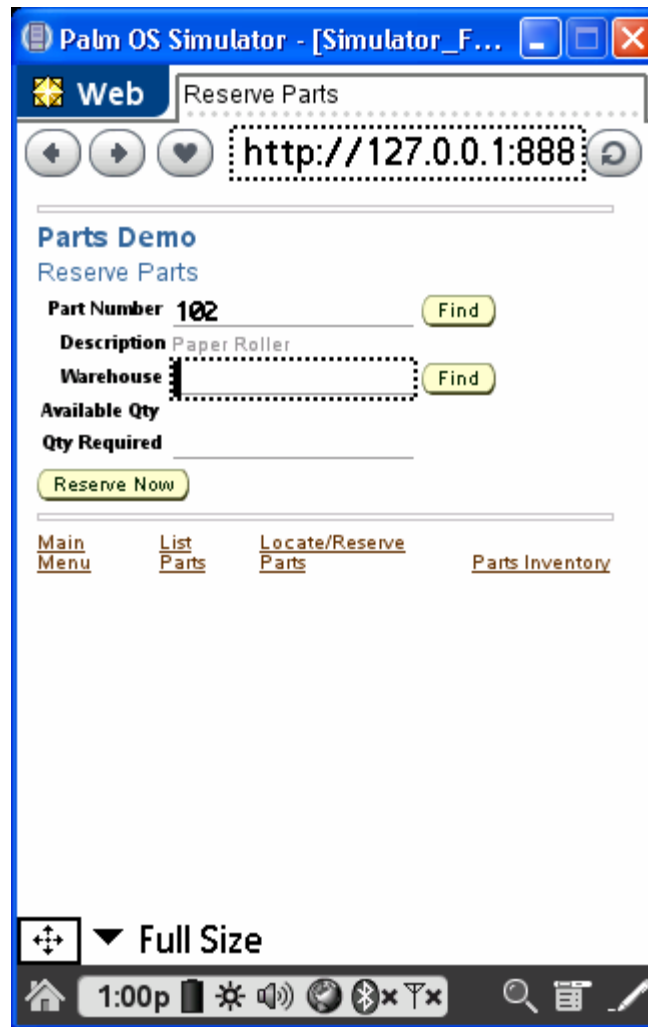
```
Telnet 127.0.0.1
Parts Demo- Main Menu
<List Parts>
<ReserveParts>
<Parts Inventory>

Reservation of 200 units of 203 made at San Francisco warehouse.
```


ADF Faces on Palm Pilot



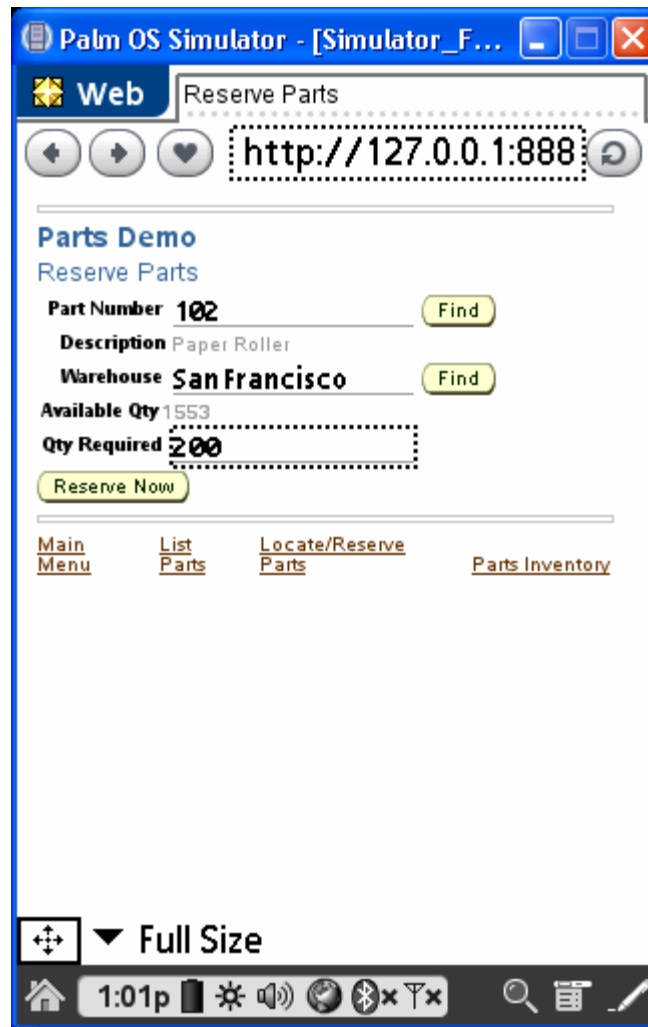
ADF Faces on Palm Pilot



ADF Faces on Palm Pilot



ADF Faces on Palm Pilot



ADF Faces on Palm Pilot

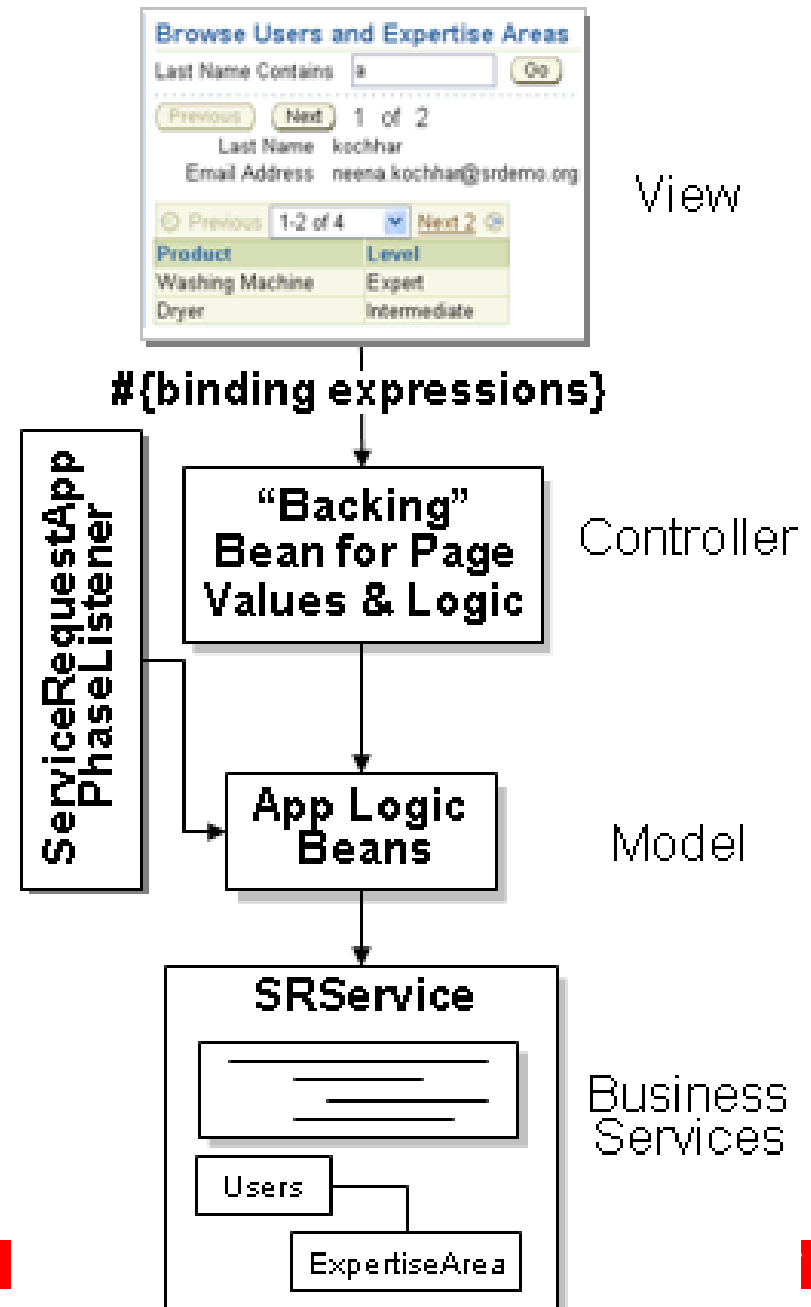


Oracle's Betting Big on JSF...

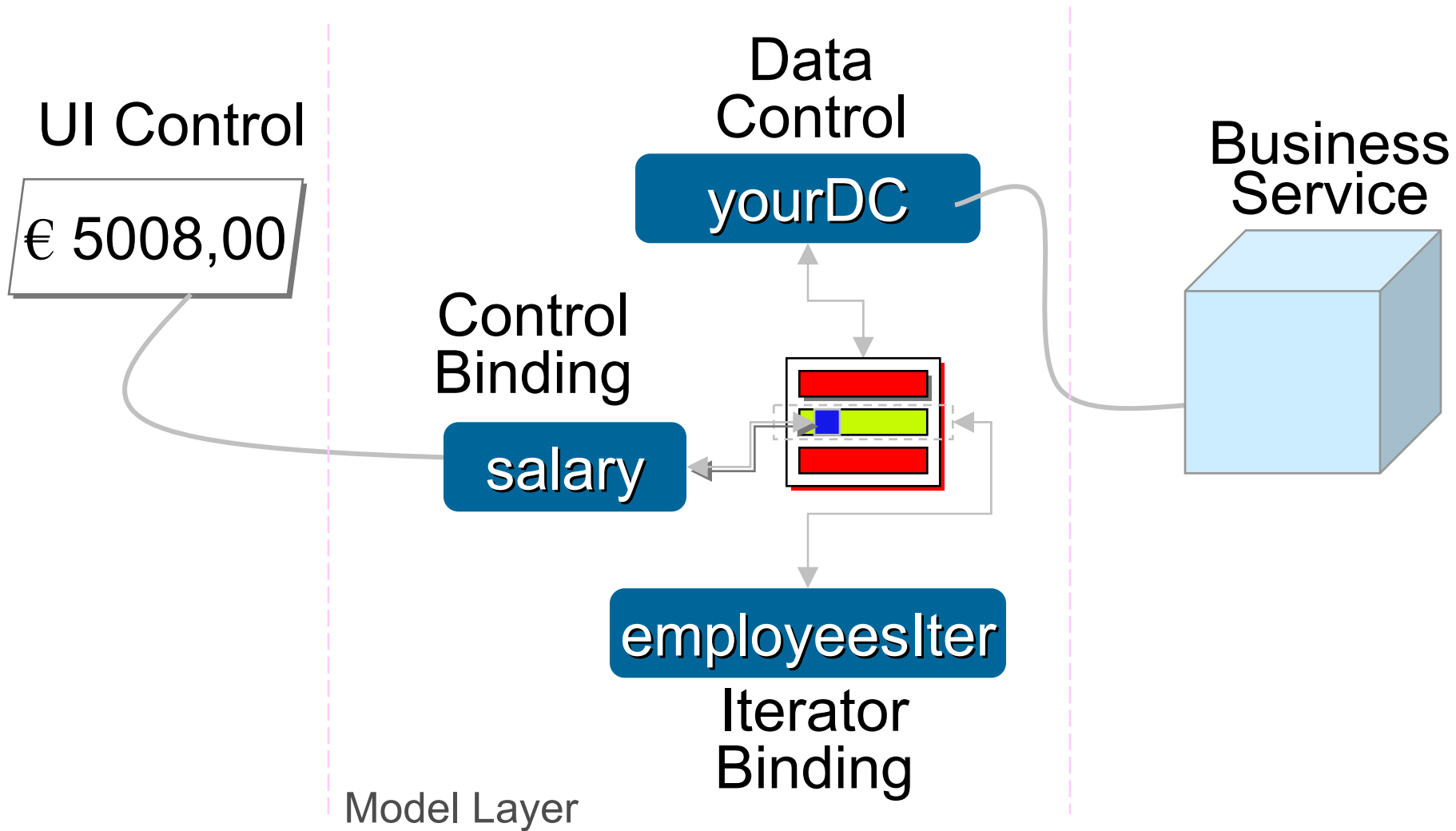
- ▶ Standards
- ▶ Tools
- ▶ Components
- ▼ Frameworks
 - Make Common Coding Tasks Declarative
 - Productivity for J2EE Gurus & Enterprise 4GL Dev's
- ▶ Web Application Generators
- ▶ Community
- ▶ Enterprise Applications

Typical JSF Application

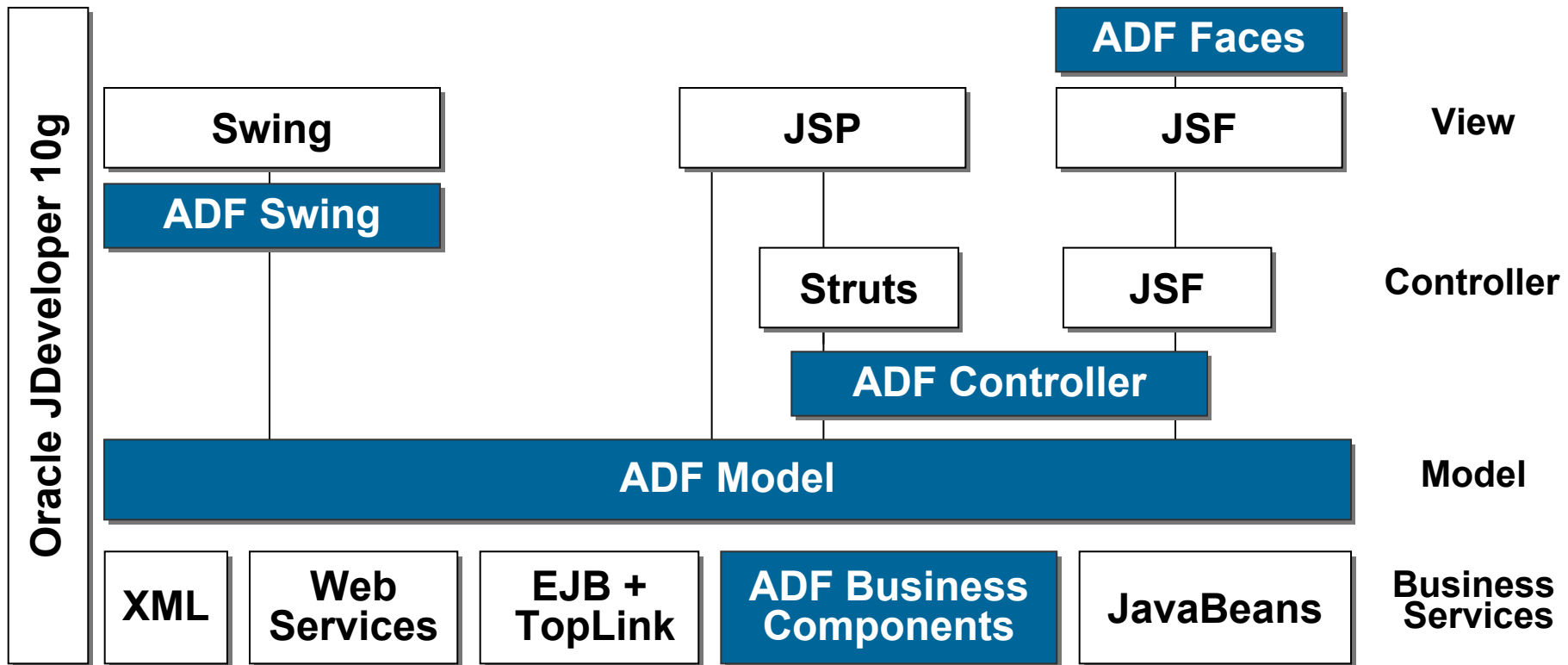
- Backing Bean
 - Page-Specific Logic
- App Logic Beans
 - App-Wide Logic
 - Service Delegates
- Phase Listener
 - Prepare Data for Presentation
- EL Expressions
 - The "Glue"



JSR 227: Bindings & Data Controls



Overview of Oracle ADF



Declarative, Visual Development of Data-Bound Pages

The screenshot illustrates the declarative development of a data-bound page in an IDE. The main design view shows a page titled "Browse Users and Expertise Areas" with a search form and a table. The search form includes a text input field with the value `#{bindings.name.inputValue}` and a "Previous" button. The table displays user expertise areas with columns for product and expertise level.

The Data Control Palette on the right shows the data model structure:

- SRService
 - findAllUsers()
 - findUsersByName(String)
 - Parameters
 - name
 - User
 - email
 - lastName
 - expertiseAreas
 - expertiseLevel
 - product
 - Operations
 - addExpertiseArea(ExpertiseArea)

A blue arrow points from the `expertiseAreas` property in the Data Control Palette to the `#{bindings.UserexpertiseAreas.labels.product}` column header in the table.

The table structure is as follows:

<code>#{bindings.UserexpertiseAreas.labels.product}</code>	<code>#{bindings.UserexpertiseAreas.labels.expertiseLevel}</code>
<code>#{row.product}</code>	<code>#{row.expertiseLevel}</code>
<code>#{row.product}</code>	<code>#{row.expertiseLevel}</code>
<code>#{row.product}</code>	<code>#{row.expertiseLevel}</code>

The bottom of the IDE shows the XML view with the following snippet:

```
<f:view> <afh:html> <afh:body> <h:form> <af:panelhorizontal> <af:commandbutton>
```



D E M O N S T R A T I O N

**Creating a Declarative
Master / Detail Search Page
Using ADF and JSF**

Oracle ADF Benefits for JSF

- Additional Design Time Productivity
 - Drag and Drop Data Binding
- ADF Business Components
 - Simplifies Building Business Services for Forms/4GL Developers
- Support Multiple Data Sources
 - JavaBean, EJB+TopLink, Web Services, XML/CSV from URL, ADF Business Components
- Current Selection Handling
 - Simplifies master-detail & “drill-down” scenarios
- Declarative Method Invocation
 - Call Any Service Methods, EL-valued Arguments

Oracle ADF Benefits for JSF

- **Sorting**
 - Makes it Declarative
- **Centralized, Reusable UI Hints**
 - Prompts, Tooltips, Format Masks
- **Declarative Security**
 - JAAS-Based Authorization Can Drive the UI
- **Declarative Control Over Lifecycle**
 - Refresh & RefreshCondition on Iterator, Action
- **Centralized, Reusable Validation**
 - Error messages in translatable resource bundles

Oracle's Betting Big on JSF...

- ▶ Standards
- ▶ Tools
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- ▶ Frameworks
- ▼ Web Application Generators
 - Automatically Generate JSF Pages for ADF Modules
 - Iteratively Refine Declarative Application Definition
- ▶ Community
- ▶ Enterprise Applications

JHeadstart Application Generator

- JDeveloper 10g Extension
 - Additional Editors for Defining Application Structure Declaratively
- Generates Complete Web Tier for ADF App Modules with:
 - Quick- and Advanced Search Regions, Single- & Multi-row Editing
 - Scrollable Tables with Nested/Overflow Areas
 - Dropdown Lists and Pop-Up LOV's with Validation like Forms
 - Shuttle pickers, Tree controls, Role-based Authorization, and More
- Generates JSF Pages and Declarative Artifacts
 - Not Java Code!
- Migrate Oracle Designer-Created Forms to ADF
- Available From, Supported By Oracle Consulting

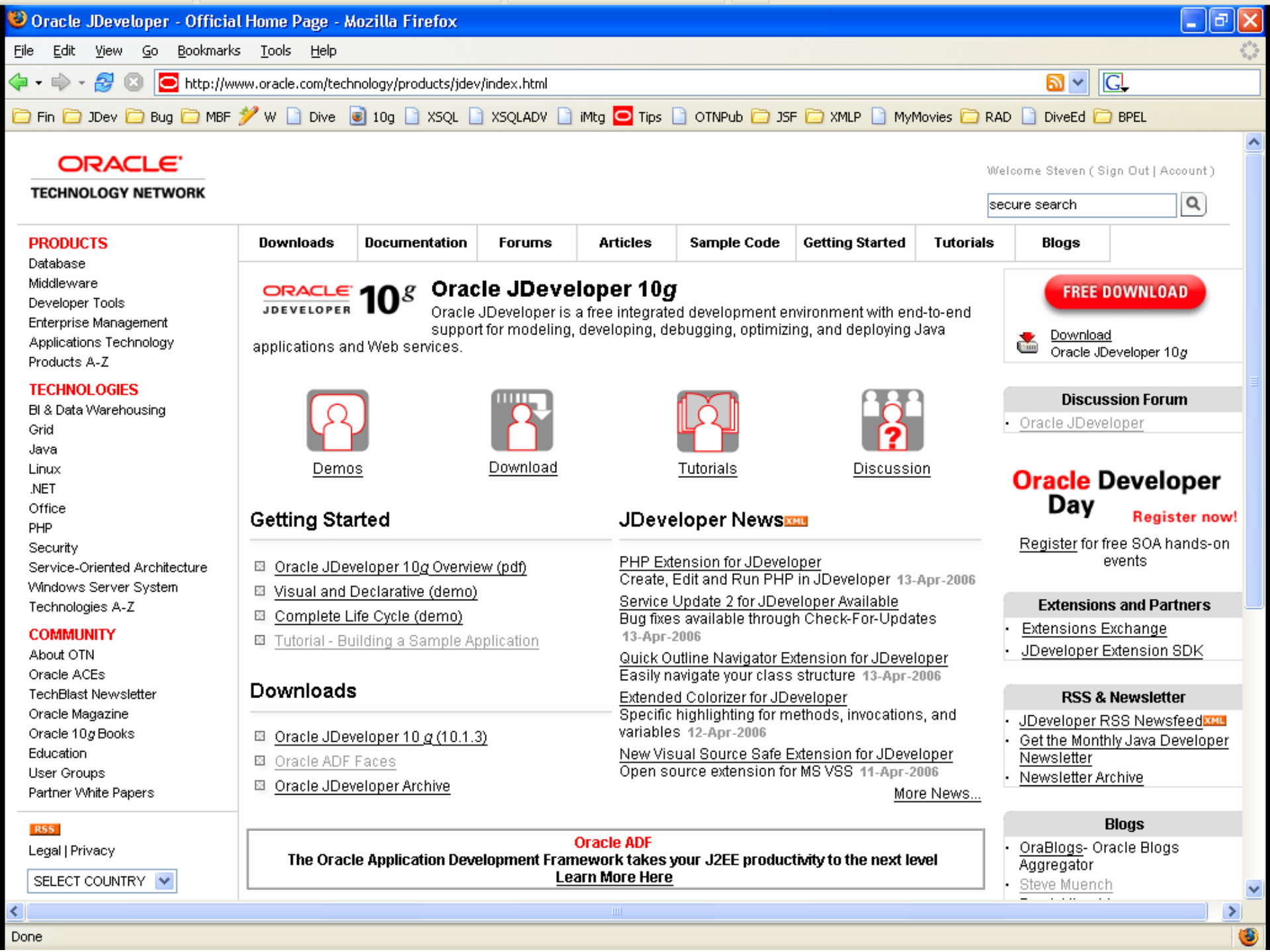


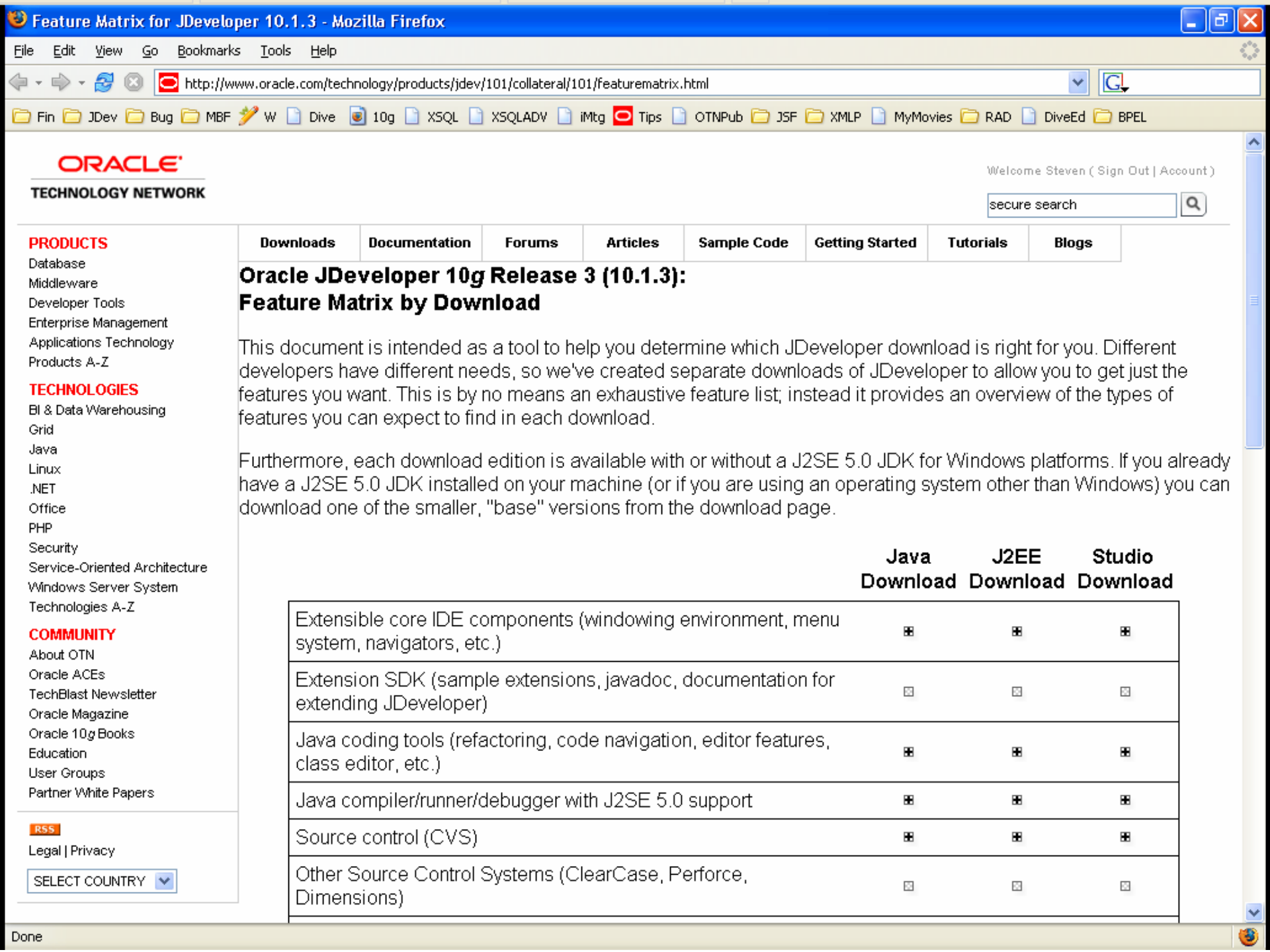
D E M O N S T R A T I O N

**JHeadstart 10.1.3
Application Generator**

Oracle's Betting Big on JSF...

- ▶ Standards
- ▶ Tools
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- ▶ Frameworks
- ▶ Web Application Generators
- ▼ Community
 - Free Enterprise IDE, Open Source Components
 - Source Available for Productivity Frameworks
- ▶ Enterprise Applications





PRODUCTS

- Database
- Middleware
- Developer Tools
- Enterprise Management
- Applications Technology
- Products A-Z

TECHNOLOGIES

- BI & Data Warehousing
- Grid
- Java
- Linux
- .NET
- Office
- PHP
- Security
- Service-Oriented Architecture
- Windows Server System
- Technologies A-Z

COMMUNITY

- About OTN
- Oracle ACEs
- TechBlast Newsletter
- Oracle Magazine
- Oracle 10g Books
- Education
- User Groups
- Partner White Papers

RSS

Legal | Privacy

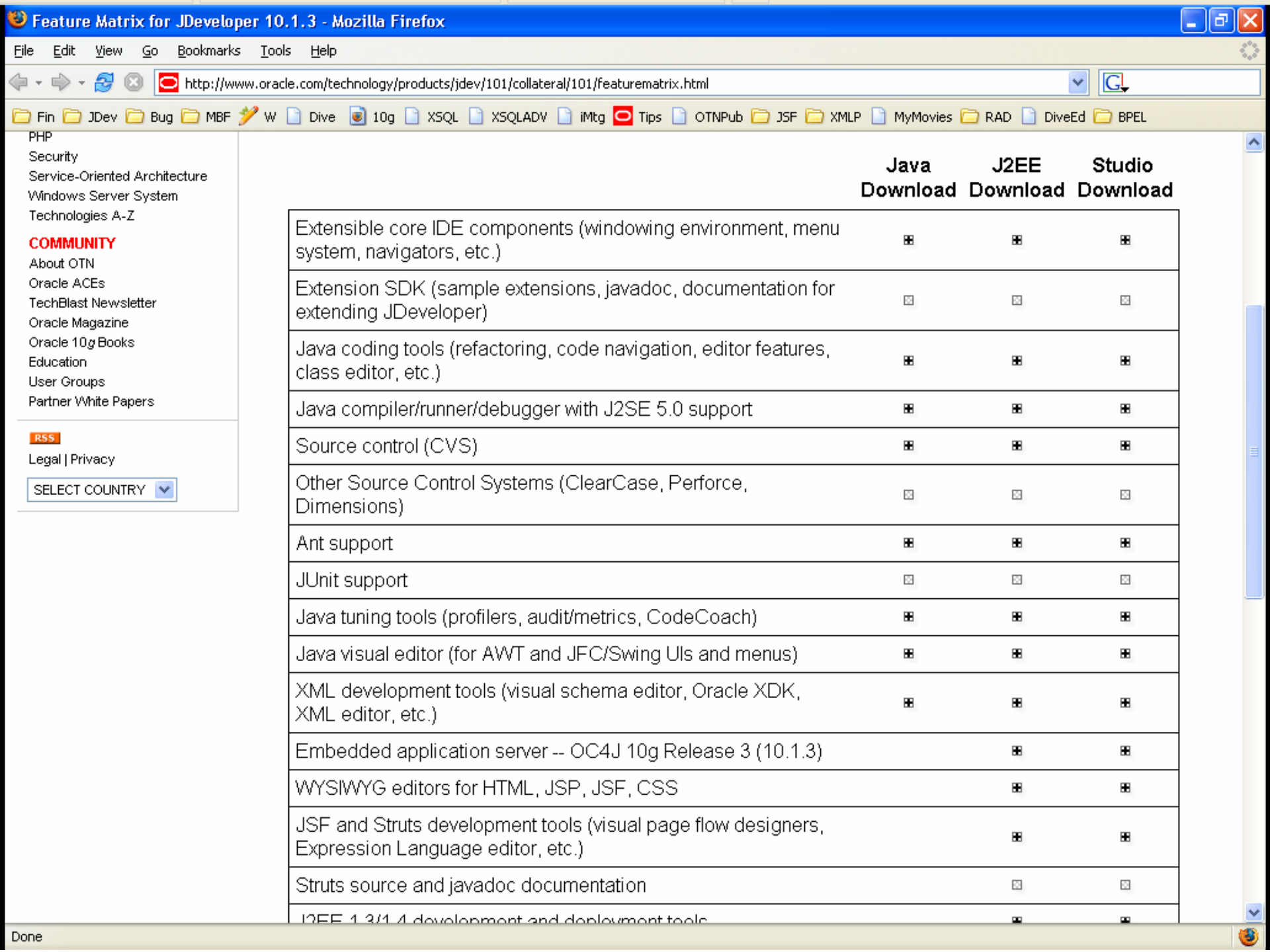
SELECT COUNTRY

Oracle JDeveloper 10g Release 3 (10.1.3): Feature Matrix by Download

This document is intended as a tool to help you determine which JDeveloper download is right for you. Different developers have different needs, so we've created separate downloads of JDeveloper to allow you to get just the features you want. This is by no means an exhaustive feature list; instead it provides an overview of the types of features you can expect to find in each download.

Furthermore, each download edition is available with or without a J2SE 5.0 JDK for Windows platforms. If you already have a J2SE 5.0 JDK installed on your machine (or if you are using an operating system other than Windows) you can download one of the smaller, "base" versions from the download page.

	Java Download	J2EE Download	Studio Download
Extensible core IDE components (windowing environment, menu system, navigators, etc.)	⊗	⊗	⊗
Extension SDK (sample extensions, javadoc, documentation for extending JDeveloper)	⊗	⊗	⊗
Java coding tools (refactoring, code navigation, editor features, class editor, etc.)	⊗	⊗	⊗
Java compiler/runner/debugger with J2SE 5.0 support	⊗	⊗	⊗
Source control (CVS)	⊗	⊗	⊗
Other Source Control Systems (ClearCase, Perforce, Dimensions)	⊗	⊗	⊗



Feature Matrix for JDeveloper 10.1.3 - Mozilla Firefox			
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	Java Download	J2EE Download	Studio Download
Extensible core IDE components (windowing environment, menu system, navigators, etc.)	⊗	⊗	⊗
Extension SDK (sample extensions, javadoc, documentation for extending JDeveloper)	⊗	⊗	⊗
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Source control (CVS)	⊗	⊗	⊗
Other Source Control Systems (ClearCase, Perforce, Dimensions)	⊗	⊗	⊗
Ant support	⊗	⊗	⊗
JUnit support	⊗	⊗	⊗
Java tuning tools (profilers, audit/metrics, CodeCoach)	⊗	⊗	⊗
Java visual editor (for AWT and JFC/Swing UIs and menus)	⊗	⊗	⊗
XML development tools (visual schema editor, Oracle XDK, XML editor, etc.)	⊗	⊗	⊗
Embedded application server -- OC4J 10g Release 3 (10.1.3)		⊗	⊗
WYSIWYG editors for HTML, JSP, JSF, CSS		⊗	⊗
JSF and Struts development tools (visual page flow designers, Expression Language editor, etc.)		⊗	⊗
Struts source and javadoc documentation		⊗	⊗
J2EE 1.3/1.4 development and deployment tools		⊗	⊗
Done			

Feature Matrix for JDeveloper 10.1.3 - Mozilla Firefox

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http://www.oracle.com/technology/products/jdev/101/collateral/101/featurematrix.html

FinJDevBugMBFWDive10gXSQLXSQLADViMtgTipsOTNPubJSFXMLPMyMoviesRADDiveEdBPEL

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	Java Download	J2EE Download	Studio Download
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JSF and Struts development tools (visual page flow designers, Expression Language editor, etc.)			
Struts source and javadoc documentation			
J2EE 1.3/1.4 development and deployment tools			
EJB 3.0 support			
TopLink visual mapping tool			
Web services development tools (creation and deployment wizards, TCP Packet Monitor, WS-I BP tester, etc.)			
Database development (online/offline schema editing and design, SQL and PL/SQL support)			
Visual modelers (Java Class, EJB, Database, Web services)			
UML modelers (Class, Activity, Use Case, Sequence)			
ADF Faces components			
ADF Swing			
ADF Business Components (ADF BC)			
ADF Model (drag and drop data binding, data controls)			
Visual Modeler for ADF BC			
Wireless development tools			
ADF Sample Application			

Done

Oracle JDeveloper 10g - mjugadf.jws : ViewController.jpr : D:\jdev\home\mywork\mjugadf\ViewController\public_html\WEB-INF\faces-config.xml

File Edit View Search Navigate Run Debug Model Refactor Versioning Tools Window Help

Applications Nav...Connections

an.javaExpertiseArea.javaUser.javaJava Class Diagramfaces-config.xml

Aharoni10

Applications

adf-faces-demos

AutoSuggest

Model

ViewController

Application Sources

Web Content

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WEB-INF\lib

WEB-INF\temp\af

employeeSearch.

mjugadf

RichClient

faces-config.xml - Structure

OverviewSource

Thumbnail

Components

JSF Navigation Diagram

Pointer

JSF Page

JSF Navigation Case

Note

Attachment

Property Ins...

Run Manager

Processes

Embedded OC4J Server

DiagramOverviewSourceHistory


Running: Embedded OC4J Server - Log

2006-04-24 07:03:47.789 WARNING The AdfFacesFilter has not been installed. ADF Fa

2006-04-24 07:03:47.799 WARNING The AdfFacesFilter has not been installed. ADF Fa

MessagesRunning: Embedded OC4J Server

Check for Updates - Step 2 of 3: Updates



The following updates are available. Check the updates you want to install.

Available Updates:

☐ Show Upgrades Only

From center: Official Oracle Extensions and Updates

☐ Struts Documentation 10.1.3

JavaDoc for Struts

From center: Official Oracle Extensions and Updates

[Details](#)

☒ Subversion VCS Extension (EA1) 10.1.3.37.35

Adds Subversion Version Configuration System integration to JDev...

From center: Official Oracle Extensions and Updates

[Details](#)

☒ VCS Framework Extension 10.1.3.37.35

Provides Versioning Framework Support

From center: Official Oracle Extensions and Updates

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Select All

Deselect All

Help

< Back

Next >

Finish

Cancel

Embedded OC4J Server started.

Navigation Diagram

Welcome to the Apache MyFaces Project

This is the official homepage of the first free open source Java Server Faces implementation called "Apache MyFaces".

What is Java Server Faces (JSF)?

Java Server Faces is a new and upcoming web application framework that accomplishes the MVC paradigm. It is comparable to the well-known [Struts Framework](#) but has features and concepts that are beyond those of Struts - especially the component orientation.

Look at [Sun's JSF Page](#) to learn more about the [Java Specification Request 127](#) and to download the specification. You can also find a useful Tutorial there!

Quickstart

- Make sure to have a look at our examples - you can find a working distribution [here](#).
- Find instructions on installing them yourselves in our 'Getting Started' section. If you can't find information you need on these pages, make sure you also go to our [WIKI](#)

ADF Faces

ADF Faces refers to an open source code donation contributed by Oracle. The actual components are now licensed under the ASF license and can be used by the public. You can download the source for the components [here](#). Please be aware that these components are subject to change (especially package and tag name changes) as the donation works its way through the incubation process and eventually merges with MyFaces.

ADF Faces comes with very high quality components, a dialog framework, as well as personalization and skinning capabilities. ADF Faces features include: file upload support, client-side validation, partial rendering of a page (AJAX-style), data tables, hierarchical tables, color/date pickers, progress indicators, menu tabs/buttons, wizards, internationalization and accessibility. A complete list of the ADF Faces components is available ([here](#).) This project starts with more than 100 components which have already been documented and thoroughly tested.

ADF Faces is a temporary name for this project, what it will be called in the future is yet to be determined by the Apache



D E M O N S T R A T I O N

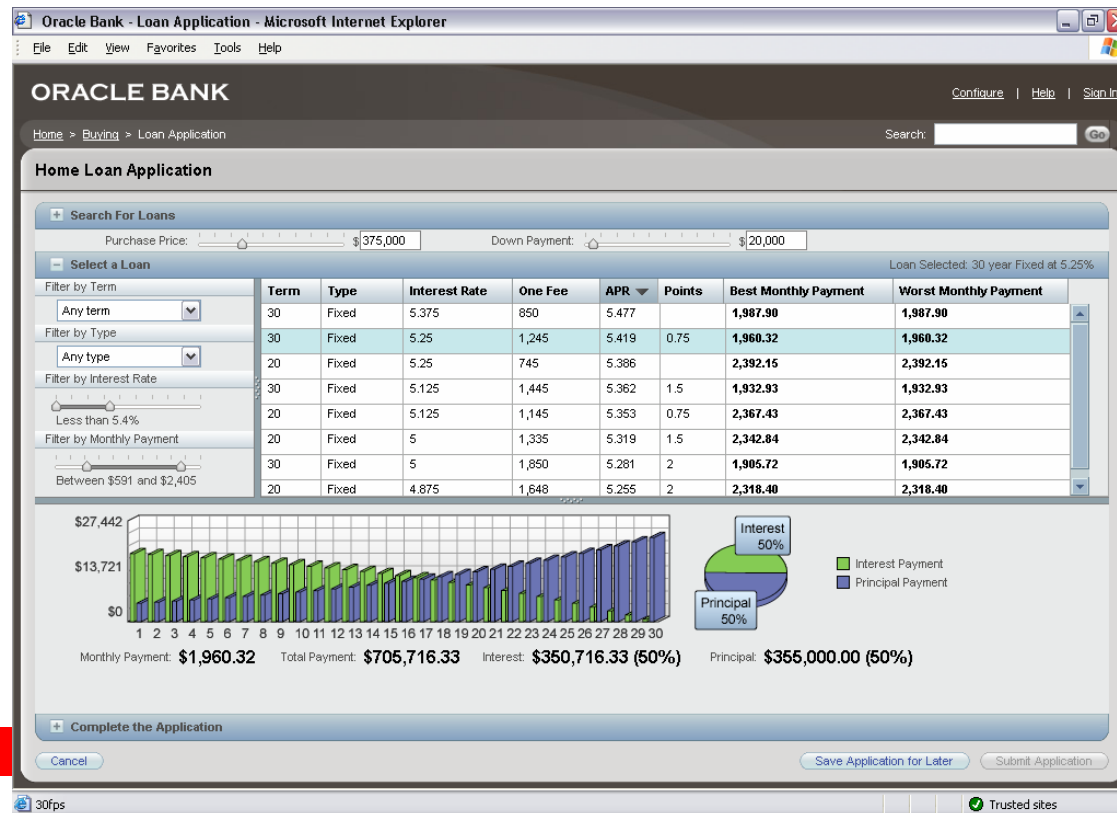
Using ADF with Off the Shelf JSF AJAX Components

Oracle's Betting Big on JSF...

- ▶ Standards
- ▶ Components
- ▶ Tools
- ▶ Frameworks
- ▶ Web Application Generators
- ▶ Community
- ▼ Enterprise Applications
 - 4000+ Internal Developers Building EBusiness Suite
 - Next-Generation Oracle Fusion Apps are JSF-Based

ADF Faces “Rich Client”

- Automatically Leverage Additional “Ajax” Techniques
- JSF components with live updates in the Browser
- Popup menus, Drag & Drop, Trees, Splitters etc...





D E M O N S T R A T I O N

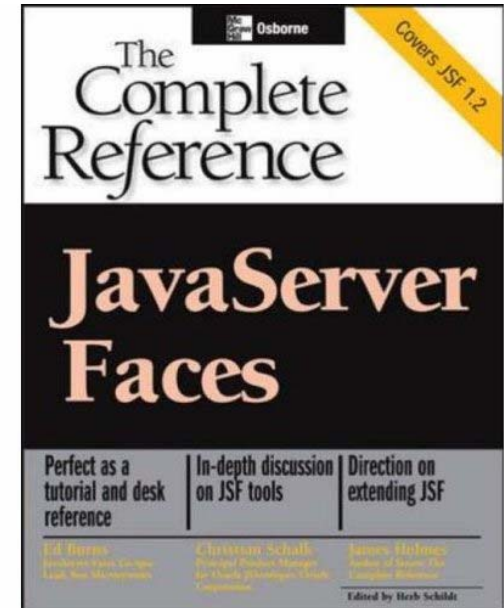
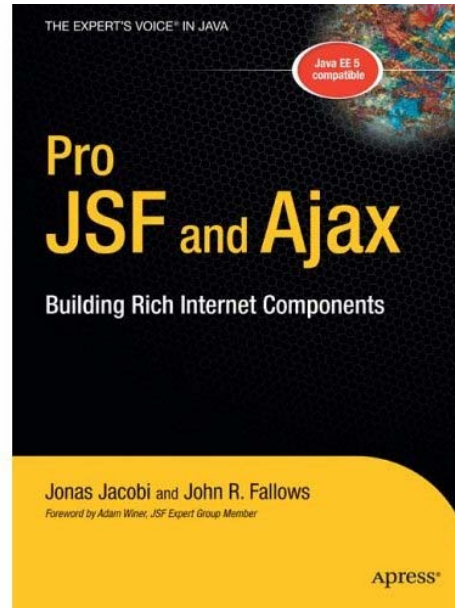
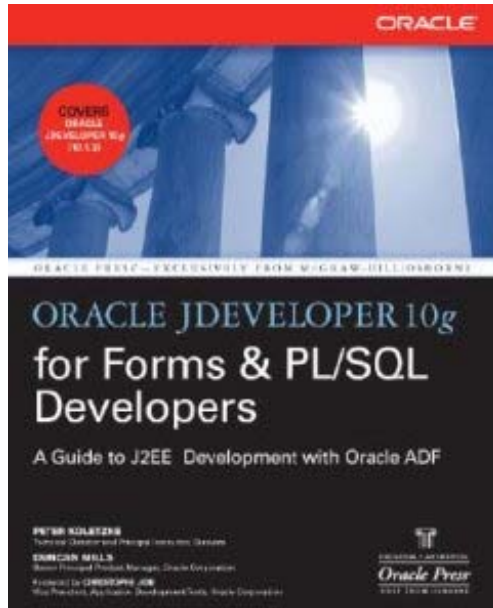
ADF Faces Rich Client



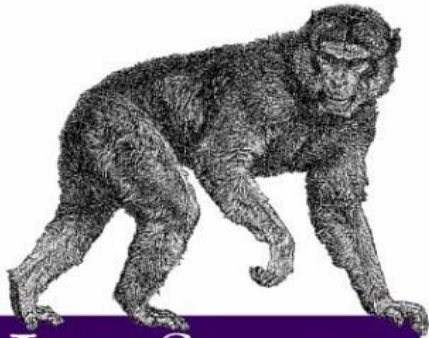
JSF-Aware Tools

- Complete Tools Including Visual Editors
 - Oracle JDeveloper 10g 10.1.3
 - Sun Java Studio Creator
 - IBM WebSphere Application Developer 5.1.2
 - BEA Nitrox (Formerly from M7)
- Code-Focused Support
 - Borland JBuilder 2005
 - For Eclipse
 - MyEclipse
 - JSF Console by James Holmes
 - Exadel JSF Studio (Eclipse Addin)
 - Web Tools Project (Eventually...)

Recent JSF Books Authored by Oracle Staff



Building Web-based User Interfaces



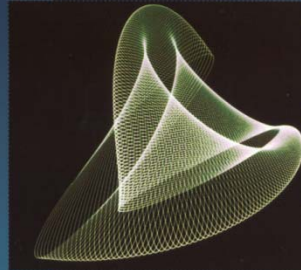
JavaServer Faces

O'REILLY*

Hans Bergsten

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JavaServer Faces Programming



- Use JavaServer Faces for the most rapid Java Web application development
- Understand event-driven programming and component trees
- Use standard GUI components and input validation controls

Budi Kurniawan

Author and Internet Programming Specialist

Code available from
www.brainysoftware.com



Osborne



QUICK > CONCISE > PRACTICAL

JavaServer Faces

SAMS

KICK START

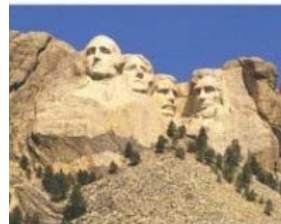
JavaServer Faces IN ACTION

Kito Mann

MANNING



core JAVA SERVER FACES



- Features the expertise of Expert Group Member David Geary and the unique insights of Cay Horstmann, the best-selling author of Core Java
- Explains exactly how to get things done with the JavaServer Faces 1.0 framework from the developer's point of view—practical workarounds, no punting
- Covers integration with Tiles, databases, wireless services, and more—with real working examples, no toy code



DAVID GEARY • CAY HORSTMANN

Java 2 Platform, Enterprise Edition Series

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TIMELY. PRACTICAL. RELIABLE.

Mastering JavaServer Faces™

Bill Dudney
Jonathan Lehr
Bill Willis
LeRoy Mattingly
Foreword by Ed Burns,
JSF Implementation Lead



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Summary: Oracle's Betting Big on JSF...

▼ Standards

- Continued Strong Participation in JSF and Other J2EE Standards

▼ Tools

- Free JDeveloper 10.1.3 on OTN (Java, J2EE, and Studio Editions)

▼ Components

- Get ADF Faces with JDeveloper 10.1.3 on OTN (or from myfaces.apache.org)

▼ Frameworks

- ADF Runtime is Free with Oracle App Server (Source Code Available)

▼ Web Application Generators

- Iteratively Generate Web Tier Using Higher-Level App Definition

▼ Community

- <http://otn.oracle.com> (blogs, articles, software, discussion forum)

▼ Enterprise Applications

- Oracle Fusion Apps Use JSF + ADF Tech Stack (ADFM,ADFBC,ADF Faces)



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Oracle ADF Learning Center

The Oracle Application Development Framework (Oracle ADF) is an end-to-end JEE framework that simplifies development by providing out of the box infrastructure services and a visual and declarative development experience.

This page contains resource to help you learn Oracle ADF, it is broken into two sections using a different approach to business service development. One is using Oracle ADF Business Components, and the other uses Oracle TopLink and EJBs.

4GL and Fusion Applications Developers

Developers who have a 4GL tool background (such as Oracle Forms, Powerbuilder, Visual Studio, PeopleTools and SiebelTools) and are familiar with relational database concepts, SQL and declarative development, will find this technology stack the most productive. The technology stack used here is JSF, ADF Faces, ADF Model, ADF Business Components



[Short Online Demo](#)



[Step-by-Step Tutorial](#)



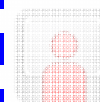
[Developer Guide Book \(PDF\) HTML](#)



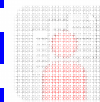
[Sample Application](#)

Experienced Java Developers

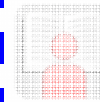
Developers with an Object Oriented background who have experience developing Java applications - either using a POJO or an EJB approach - will find this technology stack more appropriate. The technology stack used here is JSF, ADF Faces, ADF Model, EJB3.0, TopLink



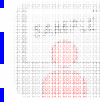
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