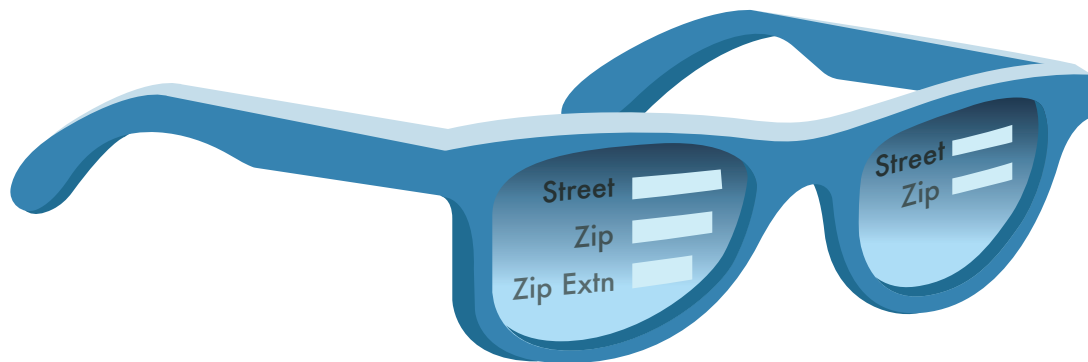


# appAUGMENTER™

OAF and Forms Dynamic Augmentations



**Why Customize Oracle E-Business Suite for days, when you can Augment in minutes**

## ? Problem

Oracle E-Business Suite (EBS) is a generic Enterprise Resource Planning (ERP) software and it invariably needs setting up and customizing for making it work for your enterprise's unique business needs, SOX compliance needs, and Governance and Risk Control (GRC) needs. This leads to development of a number of Custom Objects, which need to be maintained and modified/ tested each time the operational ERP system is upgraded. It is better to implement unique needs, as many of them as personalizations rather than customizations. The personalizations that are possible in the native Oracle EBS are not dynamic in nature and they are not selective based on business rules.



*"A Gold mining company had unique requirements to extend OAF Pages in Enterprise Asset Management (eAM) module. They chose appAUGMENTER™ to provide a mechanism for deploying extensions, which simplified the management of complex Work Orders & Meter Readings. Without this tool, they would have been forced to manually verify each step, a time consuming and error prone process.."*

## ? Solution

The appAUGMENTER tool eliminates the need for costly E-Business Suite Customizations. You can easily augment Oracle EBS User Experience and Capabilities. The tool offers OAF and Forms "Dynamic" conditions based Augmentations, which is a clear differentiator compared with native Personalization available in EBS. Net new screens can be designed and configured rapidly without any programming. The Chain-Sys Development Platform, provided with appAUGMENTER enables the above capability. Existing screens can be extended. You can establish preventive controls for GRC, bring about better user experience and change background skin to match your enterprise's colors and style. All augmentations done can be exported and imported into a different instance of EBS. The tool's administrative capabilities include selectively enabling and disabling augmentations and also to turn on/off all augmentations.



## Why Personalize?

Organizations need to modify User Interfaces (UI) in their ERP Environments for:

- ✓ Governance, Risk and Compliance (GRC)
- ✓ Improving User Experience
- ✓ Business Process Improvement and Productivity
- ✓ Data Quality Management Strategies

## Challenges with traditional Personalization and Extensions methods

Oracle EBS supports limited personalization and changes to the UI from within an OAF Page. These augmentations are not dynamic (condition based) and cannot be applied to multiple sub-levels; there is no provision for a 'Zoom' function or to convert Text Fields to List of Values (LOVs).

The OAF used in Oracle EBS R12 is metadata driven and provides extensible business logic capabilities. This allows for extension of the page controller to modify the business logic. Though Oracle's OA Page Controller can be extended by using traditional programming methods for requirements beyond the scope of personalization, the downside is inability to survive upgrades or patches. Business logic for the Extended Controller is written in Java Class files, which may have potential dependency on the Base Controller logic and are often negatively impacted with systems changes.

*"A global engineering firm needed to increase productivity and workflow in iExpenses. The goal was to introduce more dynamic interaction in EBS with individual business users by including tool-tips, error notifications and data entry validation. They avoided the costly and time consuming method of creating customized screens that requires extensive maintenance and regression testing with every patch or upgrade, and deployed appAUGMENTER™.."*

# The Right Tool

*“A large appliances manufacturer wanted to reduce on-going maintenance of OAF Pages while improving the user experience. The ability to execute concurrent programs was critical in their decision, as an alternative to programmed page extensions. appAUGMENTER™ eliminated the need for extensive custom coding..”*

appAUGMENTER extends the existing Page Control by creating dynamic controller classes. The extended Controller is registered as a personalization in the Meta Data Service (MDS) to modify business logic without the need for programming. When the user makes a request from the browser, the tool simply invokes the Extended Controller from the MDS and the extension for that specific page is rendered as an HTML.

All business logic remains within the appAUGMENTER™ database and has no dependency on the Base Controller Logic. Augmentations are not lost if the implementation of the existing Base Controller is changed.

- ✓ Provides simple, rapid and cost effective mechanism to extend OAF Pages without touching native code
- ✓ Replace many customizations with Conditional Logic based augmentations
- ✓ Augmentations survive Patches and Upgrades
- ✓ Administration of all Augmentations (turn on/off etc.)
- ✓ Simple Migration of augmentations to a newer instance
- ✓ Rapid implementation of preventive GRC
- ✓ Establish DQM at the screen level
- ✓ Supports EBS modules including iProcurement, iExpense, iSupplier, self-service HR, Projects and eAM

## Augmentations:

Edit existing List of Values (LOV) fields

Create LOVs from static fields

Change fields to mandatory, non-editable, changed case, disabled based on user/role/group/ other data field values

From any EBS screen, Zoom into EBS master data screens, third party applications, access info via web services or trigger data interfaces to other applications

Dynamic Validations

Launch Concurrent Jobs

Disable OAF Field Areas

Data Masking/Scrambling


Notifications

This tool eliminates costly OAF page customizations, offering flexibility to make Oracle Applications meet your organization's unique requirements.

## Use Cases

### Creating a new form on the fly

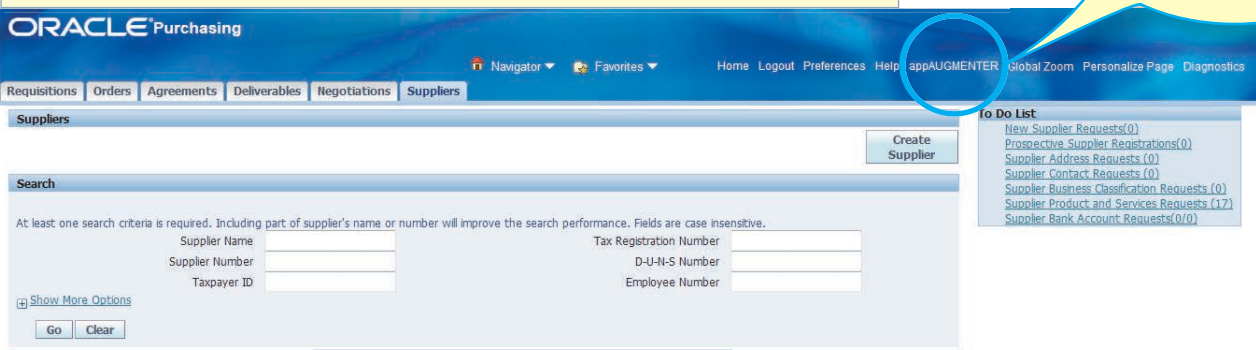
Here we illustrate how we can create a new pop up form in the "Suppliers" screen. The new form is to collect additional Supplier Information.



# Step 1

Supplier form before Augmentation

Click here



ORACLE Purchasing

Requisitions Orders Agreements Deliverables Negotiations Suppliers

appAUGMENTER

Suppliers

Search


At least one search criteria is required. Including part of supplier's name or number will improve the search performance. Fields are case insensitive.

Supplier Name Tax Registration Number  
Supplier Number D-U-N-S Number  
Taxpayer ID Employee Number

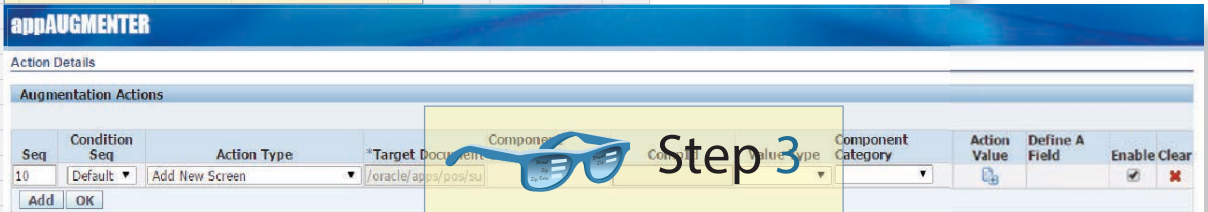
Go Clear

Search Results

Select	Supplier Name	Supplier Number	Parent Supplier	Supplier ID	Tax Registration Number	D-U-N-S Number	Employee Number	Update
<input type="checkbox"/>	1081AP_TEST_SUPLIER_798	21877						
<input type="checkbox"/>	1081AP_TEST_SUPLIER_799	21876						
<input type="checkbox"/>	1081AP_TEST_SUPLIER_800	21875						
<input type="checkbox"/>	1081AP_TEST_SUPLIER_801	21878						
<input type="checkbox"/>	1092AP_TEST1_SUPLIER_7981	21903						
<input type="checkbox"/>	1092AP_TEST1_SUPLIER_7982	21905						
<input type="checkbox"/>	1092AP_TEST1_SUPLIER_7983	21904						
<input type="checkbox"/>	1092AP_TEST1_SUPLIER_7984	21906						
<input type="checkbox"/>	1152AP_TEST_SUPLIER_7981	21891						
<input type="checkbox"/>	1152AP_TEST_SUPLIER_7982	21894						
<input type="checkbox"/>	1152AP_TEST_SUPLIER_7983	21893						
<input type="checkbox"/>	1152AP_TEST_SUPLIER_7984	21892						
<input type="checkbox"/>	11811AP_TEST_SUPLIER_798	21883						
<input type="checkbox"/>	11812AP_TEST_SUPLIER_799	21884						
<input type="checkbox"/>	11813AP_TEST_SUPLIER_800	21885						



# Step 2




appAUGMENTER

Action Details

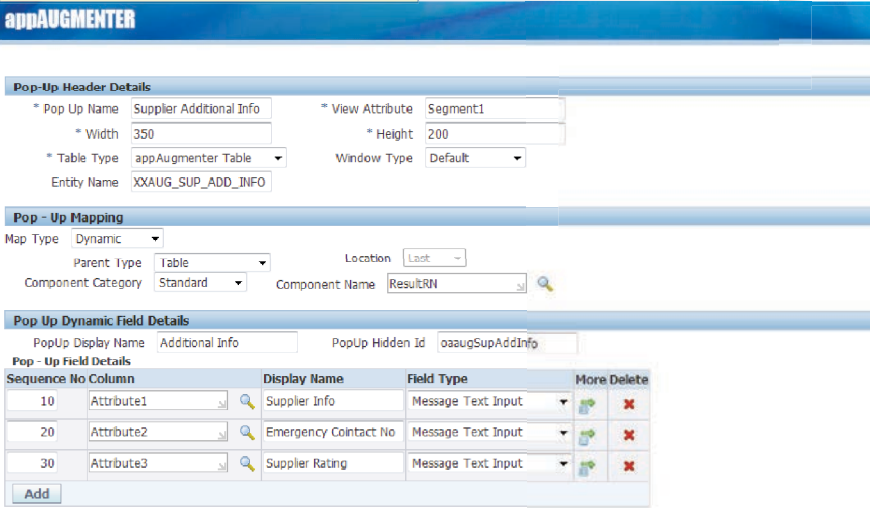
Augmentation Actions

Seq	Condition Seq	Action Type	Target Document	Component	Value Type	Component Category	Action Value	Define A Field	Enable	Clear
10	Default	Add New Screen	/oracle/apps/po/su						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Add OK



# Step 3



appAUGMENTER

Pop-Up Header Details

\* Pop Up Name: Supplier Additional Info \* View Attribute: Segment1  
\* Width: 350 \* Height: 200  
\* Table Type: appAugmenter Table Window Type: Default  
Entity Name: XXAUG\_SUP\_ADD\_INFO

Pop-Up Mapping

Map Type: Dynamic Parent Type: Table Location: Last  
Component Category: Standard Component Name: ResultRN

Pop-Up Dynamic Field Details

PopUp Display Name: Additional Info PopUp Hidden Id: oaaugSupAddInfo

Pop-Up Field Details

Sequence No	Column	Display Name	Field Type	More	Delete
10	Attribute1	Supplier Info	Message Text Input		
20	Attribute2	Emergency Contact No	Message Text Input		
30	Attribute3	Supplier Rating	Message Text Input		

Add

Requisitions Orders Agreements Deliverables Negotiations Suppliers Home Logout Preferences H

About this Page Privacy Statement

About this Page Privacy Statement



## Step 4 Supplier form after Augmentation

ORACLE Purchasing

Requisitions Orders Agreements Deliverables Negotiations Suppliers

Home Logout Preferences Help appAUGMENTER Global Zoom Personalize Page Diagnostics

Suppliers Create Supplier

**To Do List**  
New Supplier Requests(0)  
Prospective Supplier Registrations(0)  
Supplier Address Requests (0)  
Supplier Contact Requests (0)  
Supplier Business Classification Requests (0)  
Supplier Product and Services Requests (17)  
Supplier Bank Account Requests(0/0)

**Search**

At least one search criteria is required. Including part of supplier's name or number will improve the search performance. Fields are case insensitive.

Supplier Name  Tax Registration Number   
Supplier Number  D-U-N-S Number   
Taxpayer ID  Employee Number

Show More Options

Go Clear

**Search Results**

Select All | Select None

Select	Supplier Name	Supplier Number	Parent Supplier Name	Taxpayer ID	Tax Registration Number	D-U-N-S Number	Employee Number	Update	Additional Info
<input type="checkbox"/>	1081AP_TEST_SUPLIER_798	21877							+
<input type="checkbox"/>	1081AP_TEST_SUPLIER_799	21876							+
<input type="checkbox"/>	1081AP_TEST_SUPLIER_800	21875							+
<input type="checkbox"/>	1081AP_TEST_SUPLIER_801	21878							+
<input type="checkbox"/>	1092AP_TEST1_SUPLIER_7981	21903							+
<input type="checkbox"/>	1092AP_TEST1_SUPLIER_7982	21905							+
<input type="checkbox"/>	1092AP_TEST1_SUPLIER_7983	21904							+
<input type="checkbox"/>	1092AP_TEST1_SUPLIER_7984	21906							+
<input type="checkbox"/>	1152AP_TEST_SUPLIER_7981	21891							+
<input type="checkbox"/>	1152AP_TEST_SUPLIER_7982	21894							+
<input type="checkbox"/>	1152AP_TEST_SUPLIER_7983	21893							+
<input type="checkbox"/>	1152AP_TEST_SUPLIER_7984	21892							+
<input type="checkbox"/>	11811AP_TEST_SUPLIER_798	21883							+
<input type="checkbox"/>	11812AP_TEST_SUPLIER_799	21884							+
<input type="checkbox"/>	11813AP_TEST_SUPLIER_800	21885							+

Supplier Additional Info

Supplier Info: 1081AP\_TEST\_SUPLIER\_798

Emergency Contact No:

Supplier Rating:

Save Cancel

Requisitions Orders Agreements Deliverables Negotiations Suppliers Home Logout Preferences Help appAUGMENTER Global Zoom Personalize Page Diagnostics

About this Page Privacy Statement

Copyright (c) 2006, Oracle. All rights reserved.

A new column appears in the results called "Additional Info", and on clicking the + sign, the newly created popup screen appears

## Change the skin for Oracle E-Business Suite

The look and feel of the EBS pages can be enhanced very easily. The User Experience is vastly improved.





## Page before Skin Change

ORACLE iProcurement

Shop Requisitions Receiving Contractors Shopping Cart Home Logout Preferences Help appAUGMENTER Global Zoom Personalize Page Diagnostics

Stores Shopping Lists Non-Catalog Request Contractor Request

Search Main Store  Go Advanced Search

**Stores**

- Main Store  
Your one-stop shop for anything and everything
- Supplier Marketplace  
SAOQARA (Transparent Punchout)
- IT Equipment  
Punchout to MoreDirect.com
- Facilities Equipment  
Facilities Equipment
- Exchange Marketplace  
Punchout to OracleExchange
- Legal Services  
Legal Services
- Transparent Exchange Marketplace  
Transparent Exchange Marketplace
- Trans Punchout (All)  
Trans Punchout (All)
- Computers  
Punchout to Dell Computers UK
- Travel  
Informational Catalogs to external travel sites.
- Maintenance  
Maintenance supplies, tools, and services

**Shopping Cart**

Your cart contains 1 line.

Recently Added Lines  
Stop-Step 2-Ste... 1 EA

[View Cart and Checkout](#)

**Purchasing News**

- Check frequently asked questions
- Review purchasing policies

This is where the customer puts their own purchasing news items (this is an HTML plugin).

**My Requisitions** [Full List](#)

Requisition	Description	Total (USD)	Status	Copy	Change	Express Receive
14405	Stop-Step 2-Step Ladder, 36 inch Top Step, 21 inch x 19-3/4 inch x 22-3/4 inch	350.00	Incomplete			
14404	Roller Ball Pen, Fine Point, Black	1.05	Incomplete			
14403	Stop-Step 2-Step Ladder, 36 inch Top Step, 21 inch x 19-3/4 inch x 22-3/4 inch	350.00	Incomplete			
14402	Test Des	5,623.60	Incomplete			
14401	Test Des	1,776.60	Approved			

**My Notifications** [Full List](#)

Type	From	Subject	Sent
PO Requisition Approval	Stock, Pat	Purchase Requisition 14401 has been approved	10-Sep-2015
PO Requisition Approval	Stock, Pat	Purchase Requisition 111001711 has been approved	12-Aug-2015
PO Requisition Approval	Stock, Pat	Purchase Requisition 111001710 has been approved	12-Aug-2015
PO Requisition Approval	Stock, Pat	Purchase Requisition 111001708 has been approved	12-Aug-2015
PO Requisition Approval	Stock, Pat	Purchase Requisition 111001707 has been approved	12-Aug-2015

TIP Vacation Rules - Redirect or auto-respond to notifications.



## Page after Skin Change

iProcurement Navigator Favorites Shopping Cart Home Logout Preferences Help appAUGMENTER Global Zoom Personalize Page Diagnostics

**CHAIN•SYS**  
Business Process Automation Experts

Shop Requisitions Receiving Contractors

Stores Shopping Lists Non-Catalog Request Contractor Request

Search Main Store  Go Advanced Search

**Stores**

- Main Store  
Your one-stop shop for anything and everything
- Supplier Marketplace  
SAOQARA (Transparent Punchout)
- IT Equipment  
Punchout to MoreDirect.com
- Facilities Equipment  
Facilities Equipment
- Exchange Marketplace  
Punchout to OracleExchange
- Legal Services  
Legal Services
- Transparent Exchange Marketplace  
Transparent Exchange Marketplace
- Trans Punchout (All)  
Trans Punchout (All)
- Computers  
Punchout to Dell Computers UK
- Travel  
Informational Catalogs to external travel sites.
- Maintenance  
Maintenance supplies, tools, and services

**Shopping Cart**

Your cart contains 1 line.

Recently Added Lines  
Stop-Step 2-Ste... 1 EA

[View Cart and Checkout](#)

**Purchasing News**

- Check frequently asked questions
- Review purchasing policies

This is where the customer puts their own purchasing news items (this is an HTML plugin).

**My Requisitions** [Full List](#)

Requisition	Description	Total (USD)	Status	Copy	Change	Express Receive
14413	Stop-Step 2-Step Ladder, 36 inch Top Step, 21 inch x 19-3/4 inch x 22-3/4 inch	350.00	Incomplete			
14412	First Aid Station	351.05	Incomplete			
14411	First Aid Station	369.80	Incomplete			
14410	Roller Ball Pen, Fine Point, Black	1.05	Incomplete			
14409	New GE Request	20,350.00	Incomplete			

**My Notifications** [Full List](#)

Type	From	Subject	Sent
PO Approval	Stock, Pat	Standard Purchase Order oasug2323 has been approved	07-Oct-2015
PO Requisition Approval	Stock, Pat	Purchase Requisition 14401 has been approved	10-Sep-2015
PO Requisition Approval	Stock, Pat	Purchase Requisition 111001711 has been approved	12-Aug-2015
PO Requisition Approval	Stock, Pat	Purchase Requisition 111001710 has been approved	12-Aug-2015
PO Requisition Approval	Stock, Pat	Purchase Requisition 111001708 has been approved	12-Aug-2015

TIP Vacation Rules - Redirect or auto-respond to notifications.



# CHAIN•SYS

**ORACLE** Platinum Partner



www.chainsys.com  
1-855-appLOAD Option 1

Copyright © 2015 Chain-Sys Corporation



appMIGRATE™



appLOAD™



appINTERFACE™



appSILHOUETTE™



appAUGMENTER™



e-CHAIN™



appBI™



appMDM™