

BUI Takes Flight

BBBj®'s Browser User Interface (BUI) continues to generate excitement, and for good reason: BUI lets you bring your new or existing graphical BBj applications to the Web with *little or no additional development effort*.

BUI refers to BBj's integration with the [Google Web Toolkit](#) (GWT). The GWT is an open source development tool that cross-compiles Java-based code into highly optimized JavaScript to run on all major browsers. With BUI, developers can continue to build and maintain GUI applications in AppBuilder, the Barista® Application Framework, or directly in BBj, and then deploy them in a variety of browsers or other web-capable devices such as tablets and smartphones. And unlike the traditional thin client or Web Start architecture where the client must have a JVM installed on the desktop, BUI applications only require a JavaScript-enabled web browser, which means to say that it is available for most any desktop and most any mobile device.

The ERP (Enterprise Resource Planning) package, [AddonSoftware®](#), is a great example of a complex graphical BBj application – developed entirely in Barista and, which now thanks to BUI, can also run in browsers *without having to write any additional code!* This article highlights the look and feel of a Barista application running in BUI and provides information for BUI configuration in Enterprise Manager.

Figure 1 shows the Barista MDI (multiple document interface) running AddonSoftware >>

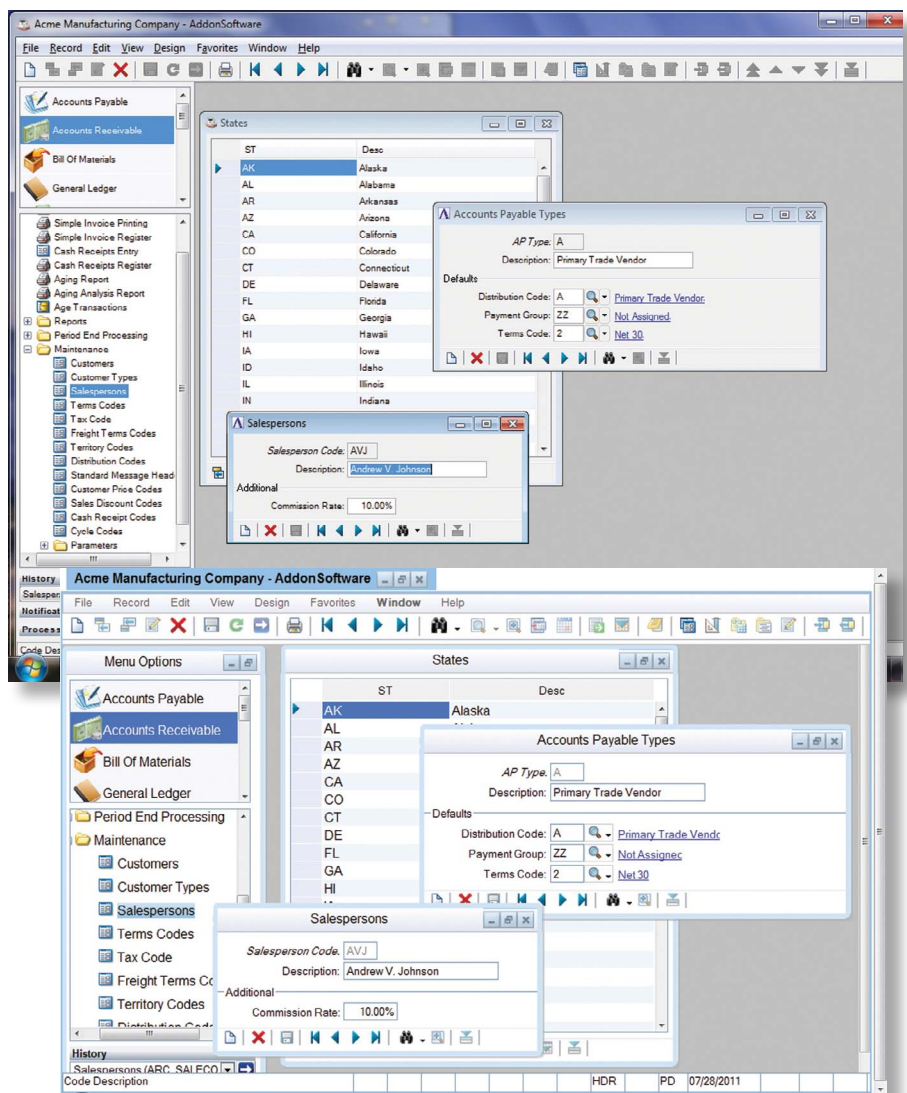


Figure 1. AddonSoftware running in GUI (top) and BUI with Google Chrome (bottom)



By Chris Hawkins
Software Developer

Customers

File Record Edit View Help

Customer ID: 00-0100

Customer Name: Everest Industries

Name and Address Profile Aging and Sales Summary

Address: 123 Main St Ste 111

City: San Bernardino

St: CA Zip Code: 93121

Country ID: Country:

Telephone Number: 714.832.8113 Ext: 0234

Fax Number: 714.931.9220

Contact Name: Mr. James Rockville

Alternate Sequence: EVEREST

Date Opened: 02/15/2011

Customer Ship Via: UPS GCD

Free On Board [FOB]:

Resale Number: SR-EW399291

DB Number:

Customer Name REQ

Figure 2. AddonSoftware Customer Master form in BUI using SDI

in GUI and BUI. The BUI functionality is very much the same as in GUI, but the look and feel in BUI corresponds to the browser. As with GUI, the MDI can contain multiple forms, the Barista menu and toolbuttons are context-sensitive, and hyperlinks provide one-click access to related forms.

Running individual tasks in BUI single document interface (SDI) mode, shown in **Figure 2**, is a great option when one does not need the entire MDI or is running on a smaller device such as a tablet or smartphone (**Figure 3**).

When it comes to reporting, BUI creates DocOut reports as PDFs, allowing local save or print options as shown in **Figure 4**.

And of course, sending documents as fax or email attachments, or saving them as Google Docs in the cloud, is as easy in BUI as it is in GUI using the DocOut output options.

Deploying the Barista application in BUI is simple, whether using the MDI or launching a single form in SDI mode. Enter the BUI Configuration information as shown in **Figure 5** to >>

Simple Invoice Entry

File Record Edit View Help

Batch No: 0000000

AR Invoice No: 110725A

Invoice Date: 07/30/2011

Customer ID: 00-0100 Everest Industries

Address: 123 Main St Ste 111

San Bernardino, CA 93121

Distribution Code: A1

Terms Code: 1

Product Ali Location: Net (Due On Receipt)

Invoice Type: Invoice (I)

Total Quantity: 5.0

Total Amount: 185.00

GL Acct	Description	Ship Date	Memo	Qty	Price	Extension
400-001	Sales - Product A/Lc	08/03/2011	bicycle seat	3.0	35.00	105.00
400-002	Sales - Product A/Lc	08/03/2011	bicycle seat - gel	2.0	40.00	80.00

HDR

Figure 3. AddonSoftware Accounts Receivable Invoice Entry in BUI using SDI mode on a tablet

Acme Manufacturing Company
Customer Name & Address Listing
By Customer ID
From First Through Last

Cust No	Name	Address 1	Address 2	Address 3
00-0100	Everest Industries	123 Main St Ste 111		
00-0123	TESTCUST	MAIN ST		
00-0200	Western Sport Distributors	Market Plaza	30021 Redhill Ave	
00-0300	Taylor Sporting Goods	Unit 41	1817 Augusta Cir	
00-0400	Santa Monica Fitness Center	3481 Sunset Blvd		
00-0500	Ron Anderson And Company	17 Old Post Rd		
00-0600	Valley Cycle Stores	917 Ventura Blvd		
00-0700	Douglas Erickson & Company	1893 Monterey Ct		
00-0800	Trident Industries	781 Valencia Blvd		
00-0900	Orange Coast Day Care, Inc.	9993 Pacific Coast Hwy		
00-1000	Mile High Bike Rentals	9833 Main St		
00-1001	Baker And Harrison	Suite 128	21300 N Trim Way	
00-1002	Robinson Enterprises	5883 Guliver Ln		
00-9999	AddonSoftware, Inc.	Misc Cash Receipts		
99-9999	Cash Sale			
HB-C001	Hillsboro Bicycle Center	Ste 100	3175 NW Alciek Dr	

Figure 4. BUI generates DocOut documents in a PDF window

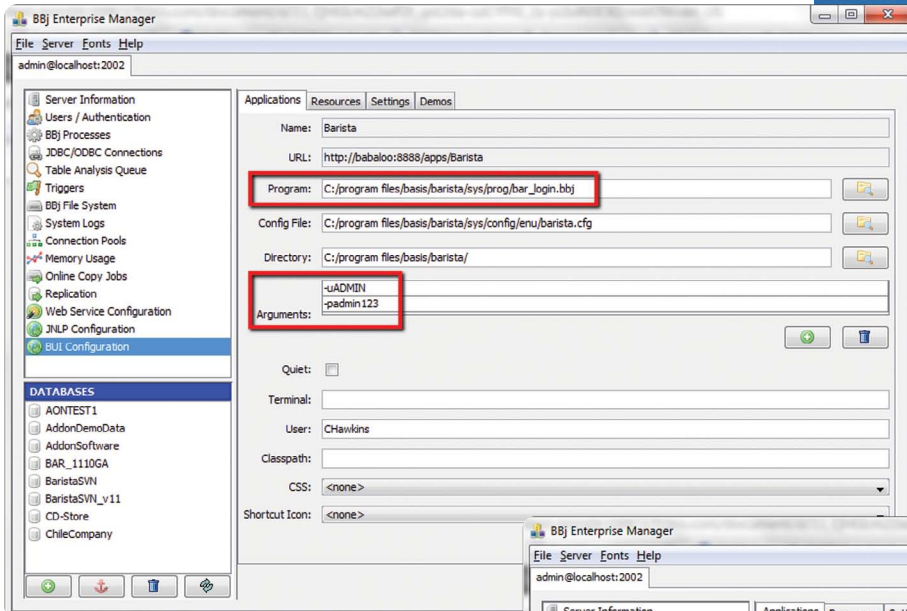


Figure 5. BUI Configuration to launch the Barista MDI

launch the Barista MDI for access to the entire application, or launch a single task using the setup in Figure 6. Figure 6 also shows how to use the special tokens [+BUI_USER] and [+BUI_PASSWORD], if desired, rather than entering the login and password directly in the configuration form. The tokens correspond to Barista Configuration records that carry the actual user credentials.

Alternatively, users can run a “quick start” in a BUI configuration to launch the Barista MDI directly from the Barista login form. Press [Settings], and select the checkbox to “Launch in a browser (BUI)” shown in Figure 7. This method creates a basic BUI configuration in Enterprise Manager if one doesn’t already exist.

Summary

BUI delivers graphical BBj applications to the Web – whether on a full screen, or other mobile device such as a tablet or smartphone – with just a few simple configuration steps and without having to code for different environments. Now develop your applications once, and deploy EVERYwhere in both GUI and BUI, saving time while bringing your application to the Web! BASIS brings new meaning to the phrase “zero deployment.” ■

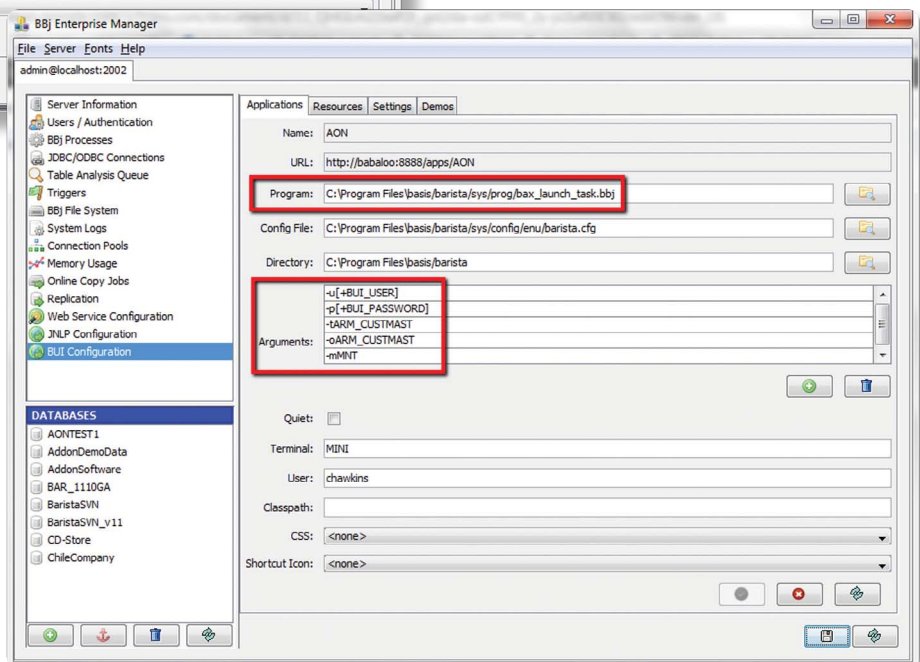


Figure 6. BUI Configuration to launch the AddonSoftware Customer Master form in SDI mode



Figure 7. Launch Barista in BUI mode directly from the login form