

For Java applications
without the stress and mess



Java made easy

The BASIS Product Family



“BBj is as efficient as Java, yet as simple and easy to use as Visual BASIC.”



Java made easy

Benefit from Java's advantages, avoid the pitfalls

If you know Java, you can appreciate its advantages: Object orientation, platform independence, and great structure. However, you might still face challenges in Java. BBJ[®] provides the solution by helping you write Java GUI applications faster than ever before. Here's how:

The programs you develop with BBJ run like Java programs on all computers and operating systems for which there is a Java Virtual Machine. However, with BBJ, the application server also interprets the programs into JavaScript to run in browsers on desktops or on mobile devices, all without a JVM.

The worldwide Java community continuously creates and releases new solutions that are available to you in BBJ without restrictions. While Java programs are generally only tested and certified for specific Java versions, BASIS provides continual compatibility for your BBJ application, independent of Java updates or releases. You are significantly more productive with BBJ because BBJ is optimized specifically for developing business applications.

Attractive, slim, and strong: Compare the same program in Java (left) and BBJ (right). Clearly, you can work faster with BBJ without surrendering the advantages of Java for professional business applications.

```
import java.awt.Dimension;
import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;
import javax.swing.JButton;
import javax.swing.JFrame;
import javax.swing.JOptionPane;
import javax.swing.UIManager;

public class PushMe extends JFrame {
    public static void main(String[] args) {
        // Kind of optional, but I wanted the two apps to look the same
        setupLookAndFeel();
        JFrame win = new JFrame();
        win.setTitle("Simple GUI App");
        win.setPreferredSize(new Dimension(200,200));
        win.setDefaultCloseOperation(win.EXIT_ON_CLOSE);
        win.getContentPane().setLayout(null);
        JButton button = new JButton("Push Me");
        button.addActionListener(new DialogPopper(button,win));
        button.setSize(new Dimension(120,30));
        button.setLocation(30,50);
        win.getContentPane().add(button);
        win.pack();
        win.setVisible(true);
    }

    /** Not necessary, but I wanted the program to look the same,
     * and Java by default doesn't do the XP look and feel
     */
    private static void setupLookAndFeel() {
        try {
            UIManager.setLookAndFeel(UIManager.getSystemLookAndFeelClassName());
        } catch (Exception e) {}
    }
}

class DialogPopper implements ActionListener {
    private final JButton m_button;
    private final JFrame m_frame;

    DialogPopper(JButton p_button, JFrame p_frame) {
        m_button = p_button;
        m_frame = p_frame;
    }

    public void actionPerformed(ActionEvent p_e) {
        int result = JOptionPane.showConfirmDialog(m_frame, "Disable the Button?", "Modal Dialog",
            JOptionPane.YES_NO_OPTION, JOptionPane.PLAIN_MESSAGE);
        if (result == JOptionPane.YES_OPTION) {
            m_button.setEnabled(false);
        }
    }
}
```

```
!SYSGUI=UNT
OPEN(SYSGUI)"XO"

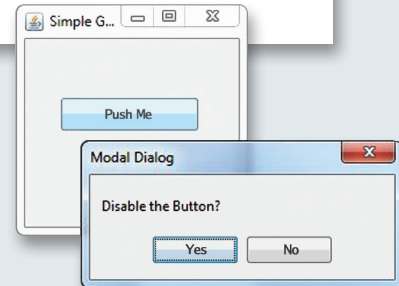
declare BBJWindow win!
rem height is different because our height specifies client height, not frame height
win!=BBJAPI().getSysGui().addWindow(50,50,200,170,"Simple GUI App")
win!.setCallback(win!.ON_CLOSE,"APP_CLOSE")

declare BBJButton button!
button!=win!.addButton(101,30,50,120,30,"Push Me")
button!.setCallback(button!.ON_BUTTON_PUSH,"PUSHED")

PROCESS_EVENTS

PUSHED:
    if (MSGBOX("Disable the button?",4,"Modal Dialog") = 6) button!.setEnabled(0)
    return

APP_CLOSE:
    release
```



The Partner for your growth

Grow securely into the future

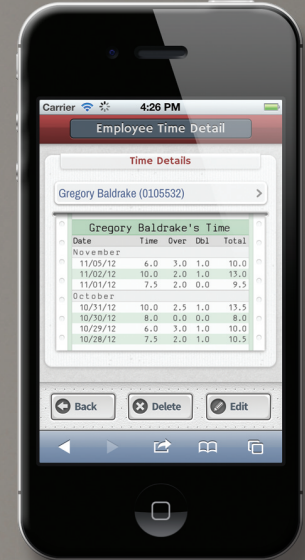
Our strength. Many providers promise you “one-stop-shopping.” We truly keep this promise. BASIS delivers the Java-based programming language, development environment, framework, architecture, development resources, and the application building block components of the ERP system, AddonSoftware® by Barista®. Whether you design software for others as an independent software vendor or develop software for your company’s own use, we can help you.

New software trends and standards come and go. BASIS protects your existing

applications and keeps all of the technologies consistent. As a result, BBJ offers backward compatibility with the API needed to protect your investment and yet is adaptable to innovations, bringing modern benefits to your customer.

From single user to global player. Our framework grows easily alongside your demands. Today’s most basic application can easily become a company-wide ERP solution with web integration – SaaS and cloud computing. This scalability within the BBJ development environment seamlessly secures your future.

Mobile with BBJ: BBJ applications run in all JavaScript compatible browsers, including iPhone and virtually any other smartphone.



“Develop once, deploy everywhere.”

Operate browser and Swing with the same source code

BBj does more than fulfill the old “write once, run anywhere” Java promise. BBj applications not only run on all hardware and operating platforms with the ease, look, and feel of a locally installed desktop application, but they also run on any device with an available JavaScript-compatible browser. And the best news is that there is no need to adjust the source code.

Without additional programming effort, users can work with the BBj Swing-based thin client on Windows, Mac, or Linux while being productive virtually anywhere. Users can now input order entry data directly into the browser or check prices and availability of products from the job site.

“Is BBJ a programming language, development environment, RAD framework, architecture, or an ERP solution?”

“BBJ is all that and more.”



Rapid Application Development

Java database applications with just a click

The Barista Application Framework is the powerful database-powered RAD tool and environment based on BBj.

Modular system. With Barista, developing applications is easier than ever before: Simply define the data elements, their relationships, and table layouts, and let Barista automatically create the application. This is the fastest way to create your GUI application with the least programming effort.

Flexible framework. The framework includes an MDI menu system with user administration and role-based security features and data auditing. Numerous functions such as lookups are easily customizable.

Barista speaks BBj and Java. Barista Callpoints allow you to use hand-coded Java and BBj code in your project to bridge the design and flexibility gap that often results from using RAD tools.

Higher quality faster. Barista speeds up development by providing a standard framework for handling navigation, display, search, file maintenance, and more.

Additionally, Barista improves the overall quality of your product through a self-documented central framework repository delivering a consistent look and feel, and making your application easier to maintain and scale.

All the tools you will ever need

The technology at a glance

AddonSoftware by Barista is completely integrated into BBJ, the modern object-oriented development language that, for thousands of developers around the world, is the only complete toolbox needed to efficiently program business applications. You too can benefit from these BBJ advantages.

Java-based. Depend on BBJ for a complete, optimized toolkit to develop Java-based commercial software. With BBJ, develop faster and more efficiently than ever before using your Java knowledge and existing Java code.

Real three-tier architecture. Flourish in a system environment that supports separating database, business logic, and the presentation layer to ensure optimum scalability, functionality, and performance. With support for heterogeneous operating system choices for each tier, one can choose, for example, to

run UNIX on the server and Mac and Windows on the client.

Rapid application development. Choose the RAD tool Barista for efficient graphical application development.

Platform independent. Once developed, run your GUI software anywhere natively – under Windows, UNIX, Linux, or Mac OS, or any combination thereof, and on mobile devices and in web browsers.

Database independent. Use BBJ's free SQL-compliant database or any existing database such as MySQL, Oracle, and MS-SQL, to name just a few.

Copy protected. Use the BBJ license model that provides effective, automated protection for your intellectual property without additional costs, hardware, or software installation.

Independent and partnership-based

The makers of BBJ

BASIS speaks your language. BASIS International Ltd. achieved early success licensing a development environment for the Business BASIC language in the mid-eighties. BASIS moved their technology in 2000 to the Java platform, unveiling a rejuvenated product family with the object-oriented development environment BBJ for the Java Virtual Machine.

BASIS adds application building blocks. In 2007, BASIS acquired AddonSoftware and integrated its modular ERP framework into

BASIS' own successful product family consisting of BBJ and the Barista Application Framework, the robust RAD tool.

BASIS is your established global partner. BASIS is the perfect independent software provider and partner for ISVs and end users. ISVs have been developing applications using BASIS products for small businesses and major corporations since the eighties in over 30 countries around the world. Citibank, Sheraton, Tesco, Bridgestone, BMW, Allianz, and ING, to name but a few, all run applications developed and maintained with BBJ tools.



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