

# BUILDING BUSINESS APPLICATIONS FROM BUSINESS COMPONENTS

Building a software business application quickly without sacrificing the quality is possible with 'ready-to-use' business components technology. This helps reduce a substantial portion of the time and effort involved in the software application design, its development and testing.

**BitSlice** is a set of readymade business components encapsulating business functionality, that can be used to build business applications quickly and efficiently. Components can be easily plugged into an application thereby saving many lines of code. With the help of these components the software development process gets a head start. Significant savings can be realized in the stages of analysis, design, development and implementation.

**BitSlice** components have been used in various domains and have been extended to cater to special application requirements. Productivity improvements and effort reduction of **upto 30%** have been measured in certain project environments!

#### **HIGHLIGHTS**

Set of components and higher level assemblies that address the **Core Business Information** needs of Organizations.

BitSlice components provide for the definition, generation, business computations, usage and maintenance of such core business information.

BitSlice can be easily extended for Vertical business domains.

# Core Business Application Components packaged in BitSlice

Organization

**Operating Units** 

Currencies

Financial Periods

Selling Policies (payment methods, credit terms, discounts, delivery terms, charges)

Payment methods (Credit Cards, Banks)

**Buying Policies** 

Static Information (such as countries, states,

cities)

Transaction Types

and a host of many more components

**BitSlice Core** consists of abstractions that provide a uniform service layer for **Master Data** and are of immense value in providing solutions for **Master Data Management**.



# **COMPONENT SET**

#### BUSINESS OBJECT COMPONENTS

Encapsulate business logic and calculations on Core Information

Net amt = gross amt - discounts -taxes

Payment due date= delivery date + credit days.

Amount in base currency = amount in foreign currency \* exchange rate

Embed Business Operations such as: Calculation of payment due date

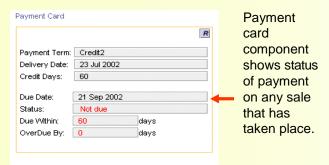
Status of a sale or purchase whether due or overdue

Computing base and foreign currency amounts on sales and purchases

Computing currency gain/loss on sale or purchase

Perform Business validations

#### COMPONENT ASSEMBLIES







#### DATA MAINTENANCE COMPONENTS

Insert Currency	С
Identifier	
Name	
Created By:	
Rate	
Symbol	
Country	India ▼
Decimal Places	
Decimal Symbol	
Units Name	
Currency System	Lakhs ▼
Seperator Symbol	
Save	<b>X</b> Cancel

Data
Maintenance
component can
be plugged into
maintenance
modules and
business
transactions.

#### DATA SELECTION LISTS

Multi column combo lists packaged with business data. Can be plugged into business transactions.

### **FEATURES**

- Components available as Java Beans and Class Libraries
- Easily plugged into web pages, application forms/windows to build web based / intranet / desktop applications
- UI, Functional features customizable
- Integrates into IDE for Java
- Component set can be extended for Vertical business domains
- Pick-and-choose components and embed them or extend them

## PLATFORM REQUIREMENT

Java Virtual Machine
Java Plug-in (for visual components in web)
RDBMS, JDBC driver
64MB RAM, 5 MB disk space

# **COMPOSITE SOFTWARE SYSTEMS**

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