



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**.



COMPOSITE SOFTWARE SYSTEMS



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

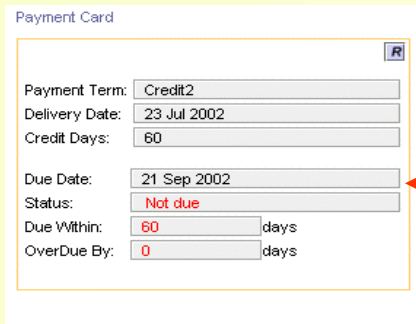
Status of a sale or purchase whether due or overdue

Computing base and foreign currency amounts on sales and purchases

Computing currency gain/loss on sale or purchase

Perform Business validations

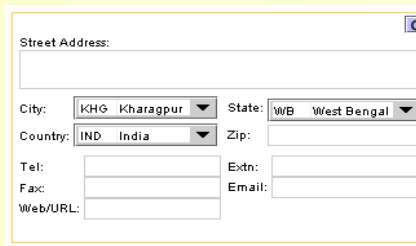
COMPONENT ASSEMBLIES



Payment Card

Payment Term: Credit2
 Delivery Date: 23 Jul 2002
 Credit Days: 60
 Due Date: 21 Sep 2002
 Status: Not due
 Due Within: 60 days
 OverDue By: 0 days

Payment card component shows status of payment on any sale that has taken place.

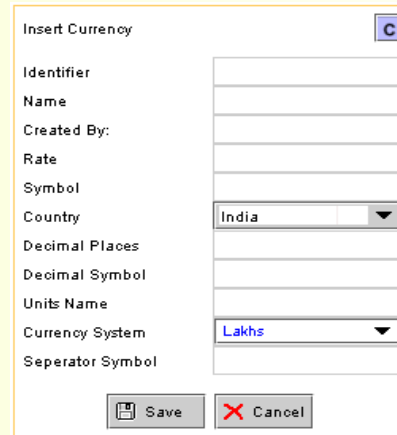


Street Address:

City: KHG Kharagpur State: WB West Bengal
 Country: IND India Zip:
 Tel: Extn:
 Fax: Email:
 Web/URL:

Address card component for address entry and update

DATA MAINTENANCE COMPONENTS



Insert Currency

Identifier
 Name
 Created By:
 Rate
 Symbol
 Country: India
 Decimal Places
 Decimal Symbol
 Units Name
 Currency System: Lakhs
 Separator Symbol

Save 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

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