Torry Harris

Distributed e-enterprise **Computing**

WebOBlocks™

Enabling Assembly of Web Applications

Today's eBusiness systems face two seemingly contradictory requirements: the quality, robustness and scalability associated with traditional enterprise systems but with the agility to keep up with Internet Time. WebOBlocks™ provides a software engineering methodology and tools to allow web-centric applications to be assembled through the reuse of easily customizable, proven web building blocks rather than developing applications from scratch.

Web Application Server technology provides support in the web infrastructure layer but there is no end-to-end component model available today to architect and build the whole web application.

The current J2EE specifications view a web application as a loosely coupled set of elements like Servlets, JSPs and EJBs. The specifications do not define functionally higher level components comprising such elements. Our WebOBlocks™ methodology fills this gap by extending the ideas outlined in the J2EE specifications to introduce the notion of higher level functional components and provides the methods and means to compose these components to form new components or even complete applications.

An absolute commitment to our mission to provide the best possible distributed computing expertise has seen Torry Harris emerge as a key player with very valuable skills in meeting the growing need for mission-critical eBusiness systems.

More details in our white papers at:

www.thbs.com

WebOBlocks™ Methodology

The WebOBlocks™ methodology is based on the highly popular **Model-View-Controller** (MVC) design pattern for applications and the J2EE set of standards from Sun Microsystems.

In the MVC pattern, a user driven application is considered to have a set of Views, which allow the user to interact with the application. A Controller handles user inputs collected from a View and passes them to the appropriate Model. Once the Model has processed these inputs and produced outputs, the Controller uses them to populate the next View for the user.

At the heart of the WebOBlocks™ methodology is the notion of a block.

Access via WAP, HTTP, VoiceXML **View/Controller**
Business Logic **Model**
Data Access Logic **Model**

A block is defined to be a collection of views, request processors, display beans, view context setters, business logic beans and data access beans that are packaged together and serve a function.

The WebOBlocks™ methodology supports a powerful block composition model that allows functionally higher-level blocks to be constructed. Essentially the entire web application is nothing but a composite block assembled through the use of tools that allow customization at each block level if desired and that guide the whole development process.

Supports:

- J2EE-based Application Servers like IBM's **WebSphere™**, BEA's **Weblogic®** and Sun/Netscape Alliance's **iPlanet™.**