J

JADE: See Java Agent Development Framework.

JalChitra
A village water resources mapping and water auditing software developed by Dr. Vikram Vyas. (Literal meaning of Jal is water and Chitra is picture.) (Shaligram, 2005)

Java
1: A high-level programming language similar to C++ developed by SUN Microsystems. (Guan, 2005c) 2: A platform-independent programming language, produced by Sun Microsystems. Java is built as a method to provide services over the WWW. With Java, a Web site provides a Java application (called an applet), which is downloaded by the client and executed on the client machine. Java is specifically built so that an application can be run on any kind of system, so a separate MAC, Windows, Sun, and so forth version is not needed. Java also has some security features built in, to make it more difficult for destructive applets to be written. (Diez-Higuera & Diaz-Pernas, 2005) 3: An object-oriented language that is widely used for Internet or Web-based applications. It was designed specifically for distributed environments. (Dasgupta & Chandrashekar, 2005) 4: Programming language designed to be portable, used to create programs that will run on mobile phones and PDAs, as well as Macintosh, Windows, and Unix desktop computers. (Houser & Thornton, 2005)

Java Agent Development Framework (JADE)
A middleware tool used in implementation of agent-based systems (http://jade.tilab.com). (Cardoso & Freire, 2005)

Java Data Mining (JDM)
An emerging standard API for the programming language Java. An object-oriented interface that specifies a set of Java classes and interfaces supporting data-mining operations for building, testing, and applying a data-mining model. (Zendulka, 2005a)

Java Media Framework (JMF)
A Java library for the development of stand-alone and networked multimedia systems. (Fortino, 2005)

Java 2 Enterprise Edition (J2EE)
Designed to simplify complex problems with the development, deployment, and management of a multi-tier enterprise solution. J2EE is an industry standard that helps build Web services (e.g., used with IBM’s WebSphere, HP’s Web Services Platform, and Sun’s Sun ONE). (Chen, 2006)

Java Virtual Machine (JVM)
A platform-independent execution environment that converts Java byte-code into machine language and then executes it. (Lucas, 2005)

Java/RMI
A Java application programming interface known as remote method invocation. (Yen, 2005)

JavaScript
A scripting language developed to enable Web authors to add dynamic content to sites. Although it shares many of the features and structures of the Java language, it was developed independently. It is supported by recent browsers from Netscape and Microsoft. (Valenti, 2005)

JAWS: See Job Access for Windows.

JDM: See Java Data Mining.

Jhai Foundation
A non-profit organization founded by American, Lee Thorn. The foundation is managed by an advisory board and includes many volunteers as well as paid contractors. Its aim is to assist the people of Laos in a collaborative manner in the areas of economic development, education, and information technology. (Anderson, 2005)
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