REAL-TIME SYNCHRONIZATION OF XML DATA BETWEEN APPLICATIONS

Abstract

One or more data stores are maintained separately from a primary presentation storage within a document for storing, relating and for allowing use of arbitrary data that is associated with a computer-generated document between multiple data consumers. The data store exposes application programming interfaces (APIs) to the various pieces of data in the data store for allowing different data consumers to access and operate on one or more of the data pieces in real time. Multiple data consumers may access and edit the same piece of data concurrently, and any conflicting changes to a given piece of data are resolved. Each data consumer may accept or reject the change as well as make additional side-effect changes as a result of the original change. In this way, the data may be synchronized in real time across the data consumers.

FIGURE 1