

A METHOD AND APPARATUS DEFINING A COMPONENT MODEL FOR CREATING DYNAMIC DOCUMENTS IN A DISTRIBUTED DATA PROCESSING SYSTEM

Abstract

A method and apparatus in a data processing system (100) for creating a dynamic electronic document in a markup language. Static content in the markup language is placed into the electronic document. A function invocation mechanism is placed in the electronic document using the markup language, wherein the function invocation mechanism includes a function name used to invoke a function, and supplying actual parameter values corresponding to the formal parameters of the function definition. In response to accessing a dynamic electronic document containing function invocations, and providing values for their actual parameters through the document access mechanisms, the embedded functions are invoked and the function invocation are replaced by markup language containing the returned value. The document may then be formatted and returned for presentation. This formatting may be accomplished by applying a stylesheet to the document.

Fig. 1