

IMPLEMENTATION OF XML TECHNOLOGIES FOR DATA EXCHANGE AND MANIPULATION AND DATA INTEROPERABILITY

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ABSTRACT

The main purpose of this project is to store disparate data in the stores best suited to their underlying models, while being able to bring them together for manipulation in a program, or exchange between programs. The XML technologies that most probably will be used include the XSLT and Xpath. The XSLT (Extensible Stylesheet Language for Transformations) is a language in both the markup and the programming sense that provides a mechanism to transform an XML structure into either another XML structure, HTML, or any other text based formats. The XPath however, is a query language defined for XML that provides a simple syntax to select the subset of nodes in a document. With the implementation of this project, users will not have to worry on the incompatibility of data, and are able to view the required data using a common software (such as I.E 5.0) without needing to view them back in the proper format and software.