

## **ABSTRACTION**

A Web application is a distributed application that has placed all the business logic on the server-side. Clients access the application through Web browsers, communicating through HTML and HTML-forms. A Web Service on the other hand is something new. The best way to understand what a Web Service is, is to picture a web application without the HTML interface, just a bunch of methods published on the net. Web Services is a new concept, which has emerged out of the World Wide Web technology, with the goal to make a distributed computing technology that fits into the new visions of a service-based web. Web service technology has evolved around a stack of five technologies, such as Network, Transport, Packaging, Description, and Discovery.

At Packaging stack where procedure calls and documentation being packed is found term of message interchange. Message interchange is a term used to describe data or message exchange between server to its client and vice versa. Similar as sending an email data to server. The major difference is the data format being sent, because Web Service must permit access from any program written in any language on any operating system, so the format must be platform independent, that is XML-based language. XML-RPC and SOAP (Simple Object Access Protocol) are two specification and format message interchange XML-based which commonly used in Packaging stack of Web Service technology.

During this final project will have comparison testing and analyzing of performance between two message interchange specification types, there are XML-RPC and SOAP on Web Service technology. While the parameter being analyze is interoperability, throughput and accuracy.

Keyword : Web Service, XML-RPC, SOAP, message interchange, comparison, performance, interoperability, accuracy.