

HIGHER TECHNICAL INSTITUTE

ELECTRICAL ENGINEERING DEPARTMENT

DIPLOMA PROJECT

**LANGUAGE SPECIFICATION AND
INTERPRETER IMPLEMENTATION, FOR THE
ARCHITECTURE OF INFORMATION
SYSTEMS**

E. 1412

YIANNIS M. VOLOS

ACADEMIC YEAR

2005 - 06

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NICOSIA, CYPRUS**

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CHAPTER 1

INTRODUCTION

Terms

Information System

A software application provided through a platform and a user interface, which provides access to a database for the organization of information.

Platform

Platform is considered the system delivered with hardware and software which gives access to a number of resources and tools of varying simplicity and purpose, in alignment or not with its relative environment, to provide the ability to the users of such system to be used as the basic infrastructure for the design, implementation, development, and release and execution of new software. The resources available may be locally or remotely connected through a network. Thus, the alignment of a number of different hosts (client and/or server) that are aligned in spread locations over the various networked computers can be considered as a network platform, which in its part gives according to the locally per-se host customized authorizations, access to its resources.

The Web can be considered as a networked platform, which it self has given rise to a vast number of online people communities, and rapid growth of new business models, automated through Information Systems that are provided using this powerful networked platform over the Internet.

Web as a Platform

Due to its vast spread the last few years, Web has become the most common ground of distributing applications, or being the base of them as well in means of providing a user interface which it self is providing the ease of access to static documents or to an automated Information System using a Relational Database Backed Managed Server for its transactions (storing, removal, retrieval, organization of new, existing or current information).