

**WEB PAGE DESIGN AND DEVELOPMENT:
AN ONLINE COMPUTER-AIDED INSTRUCTION
USING MULTIMEDIA**

**Undergraduate Thesis
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**In partial fulfillment
of the requirements for the Degree of
Bachelor of Science in Computer Science**

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ABSTRACT

ANGELITO LUNGAY CATAJAN JR. and BRIAN ABELLO, "Web Page Design and Development: An Online Computer-Aided Instruction Using Multimedia", Undergraduate Special Problem, Bachelor of Science in Computer Science, Cavite State University, Indang, Cavite, April 2004, Adviser: Miss Evangeline Arboleda.

The study was conducted at the College of Engineering and Information Technology at Cavite State University from July 2003 to February 2004.

The study aimed to develop an Online Computer-Aided Instruction on Web Page Design and Development Using Multimedia. Specifically, it aimed to create an on-line computer-aided instruction that will increase the interest of the users in learning Web Page Design and Development through the use of multimedia; provide an instructional material that is readily accessible through the internet; and lessen the burden of the instructors particularly in preparing teaching aids for the students.

In developing the software, data were gathered through interviews and researches. The software was then designed following the Hierarchical Input Process Output (HIPO)/Input Process Output (IPO) chart in order to visualize the program architecture. The developed software used Paper Prototyping as the paradigm and Hypertext Preprocessor Programming Language (PHP) as the programming language. The software was tested using function and performance test.

The software includes texts, sounds, pictures, and graphics that make the software enjoyable and easy to understand. It teaches and gives information on Web Page Design and Development. It covers five chapters such as HTML, CSS, JavaScript, DHTML, and XHTML. It also includes Quizzes, Help function, and Glossary of Terms.

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