



# De La Salle University-Dasmariñas

## DE LA SALLE UNIVERSITY - DASMARIÑAS COLLEGE OF SCIENCE AND COMPUTER STUDIES

The Development of Computer Aided Instruction (CAI)  
In Systematic Botany of De La Salle University- Dasmariñas

A Special Problem Presented to  
The Computer Studies Department  
De La Salle University- Dasmariñas

In Partial Fulfillment  
of the Requirement for the Degree  
Bachelor of Science in Information Technology

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# De La Salle University-Dasmariñas

## Abstract

Memorizing lots of scientific names and biological terms is one of the difficult parts in studying. However, providing audio learning and visual learning through the internet can help students better memorize materials most especially in subjects like Systematic Botany. Through the evolving technology nowadays the proponents proposed a system that could help Human Biology students in studying Systematic Botany because this proposed system includes lessons from Systematic Botany.

The purpose of this system is to be able to help and improve the learning of the students of Human Biology students at De La Salle University-Dasmariñas. The system provides three different users: the students, the faculty members and the administration. The student account is comprised of lessons, examinations and games. The faculty account is the one responsible for the type of examination their students should take. The administration is the one responsible for the maintenance of lessons, examinations, games, student information and faculty information.

Due to lack of time, the proponents decided to use the ADDIE model as a guide to develop the proposed system.

The system has three ways of presenting the lessons to the student: text-based, audio and simulation. Once the student did not get the passing grade in the examination in the first presentation which was text-



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based, he/she would be redirected to the next type of presentation, the audio. If he/she still did not meet the passing grade, he/she would be redirected to the third kind of presentation which was the simulation. Whenever he/she did not meet the passing grade, the result he/she got in the third examination was the one that was recorded in the system. But whenever the student had met the passing grade in his/her first try the next chapter would be available for viewing.

Based upon the evaluation of the Human Biology students they have rated as excellent and good enough, the effectivity of the system that made it recommendable to the faculty who were teaching this subject. This system could be a tool to help those Human Biology students who are fond of using the computer in studying because the system provides a Graphical User Interface (GUI) and an environment that could easily be understood even without the proper knowledge in computer.



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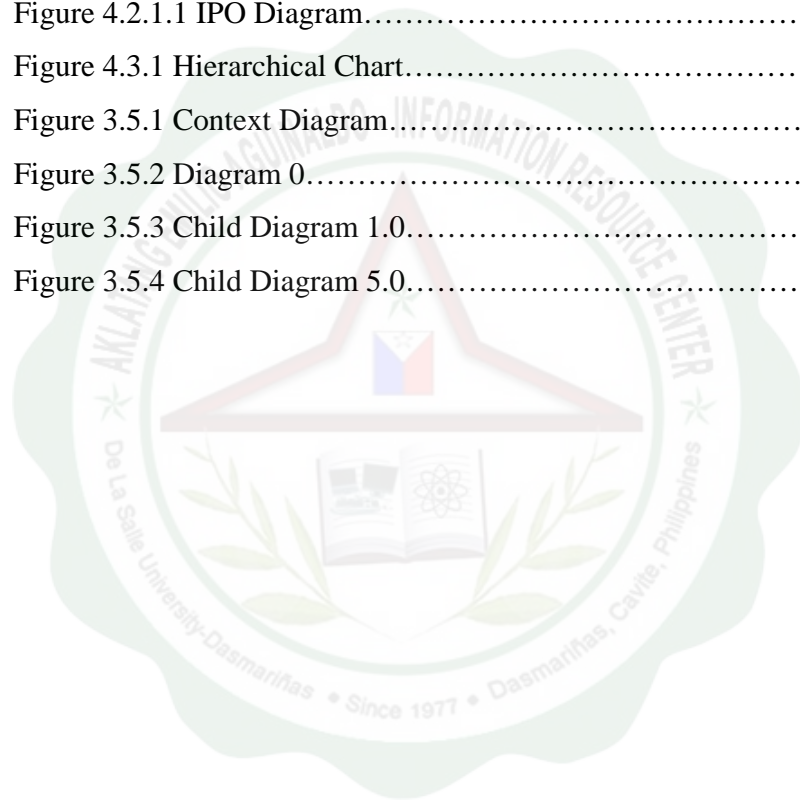


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