**CHAPTER 1: INTRODUCTION**

**1. Overview**

Currently, the development of Information Technology in our country is entering a new era with the widespread deployment of informatics applications for organizations and society. There is no doubt about the role of Information Technology in life, in science and technology, in business, as well as in all aspects of society, even for an individual.

However, at the present time, Information Technology is only initially being applied in life in general and education in particular. The use of electronic documents in teaching and learning is not really popular, not yet highly effective, books, textbooks ... still play an extremely important role. For large universities, managing a library system with thousands of books and managing the borrowing and returning of thousands of students is extremely complicated. Therefore, we have received the research topic: "Building a library management program"

**2. Important of the project**

To partially solve the limitations of manual library management, we have to technologyize library management tasks. In order to better serve the increasing number of readers and book titles. Therefore, a library management system must perform the main functions of the library such as: searching, entering book data, registering readers, registering to borrow and return books, statistical reports, etc..

**3. Scope of the project**

This program will be used in university libraries. Librarians will use the system to add, edit, delete and search books.

**CHAPTER 2: DESIGNING**

**CHAPTER 3: DISCUSSION**

**1. Limitations of the program**

Besides the results achieved, the program still has some limitations as follows:

- The new program only supports the management of books in the library, and the management of readers, management of borrowing - returning and reporting statistics, the system has not yet supported.

- The program is only for library staff to use, readers do not have the right to use the system to be able to search and view information of books.

**2. Oriented development**

In the future to improve and operate more effectively, the project sets out the following development directions:

- Add login function to the system to easily verify users

- Add internal data handling in the library

- Investigate and improve the functions to suit the profession of library management in schools

**CHAPTER 4: CONCLUSIONS**

After a period of research and installation, the project has achieved certain results and moreover, personally and as a team, I have cultivated and learned a lot of important knowledge before upon completion of the course. The results obtained are as follows:

- Have basic knowledge of programming language C used in the project such as: struct, functions, array, read/write file, ...

- Based on the acquired knowledge to apply and build a system with basic functions and meet some requirements of the library management system.

- The interface of the system is friendly, easy to use.