**CHAPTER 1**

**INTRODUCTION**

Digital library or Online library system provide a fastest and convenient way to access different types of information unlike in traditional way where a person has to travel and go to the nearest library just to gather an information thus making the process more hassle and inefficient. Online library offers a great benefits on its user such as; accessibility where the website can be accessed anywhere as long as there is an internet, availability and usability of different information the website’s offers.

E-Learn: Digital Library and Online Social Learning is an online library with the mix of online social reading platform created by the researchers. The system is divided into two parts: Digital library and Online social reading. Digital library is a section in the system where user can access different copies of e-books, audio-books, magazine, research documents and podcasts. With the help of OpenLibrary.org and Archive.org the researcher can provide different materials through accessing their public API to enhance the learning experience of the users. Online social reading is section in the system where user has a freedom to share their story, audio-books, magazine and research documents and podcasts and can received a feedback on different users and admins. In this section, the creator or author has a capability to decide if their contents they upload can access for free in public or they can put prices on their contents to earn some money.

The researchers chooses this topic because as they experience difficulty in accessing information necessity of their needs. They created a system that can satisfy their needs and offer an helping hand on everyone that experiencing the same scenario. The researcher also want to create a community platform that allows the users to share their different ideas, knowledge and information.

**BACKGROUND OF THE STUDY**

Since the mankind learn how to organize the collection of the documents the concept of library began. The first libraries were collections of the earliest form of writing, the cuneiform script. The scripts found in Sumer, some heading back to 2600 BC consist mostly of myths, fables, essays, hymns, proverbs, epic poetry, business records, laws, plants, and animals. In 5th century the classical Greece introduce private and personal libraries made up of written books. There are also great library of the ancient world, the Great Library of Alexandria and the Imperial Library of Constantinople. Since then, the library has evolved into one of the main providers of knowledge and information that even attract several scholars around the world.

In modern age, people have a different approach on how to acquire information. Television is one of the most popular source of information in today’s world commonly people learn different knowledge based on what they watch on television. Some people prefer to listen into radio with the same content as the television but with the use hearing and some people prefer to read the newspaper. There are also people prefer to go into the nearest public library to read books for leisurely or research purposes.

The problem with television, radio and newspaper is the content is limited. They can only provide information on what they can offer and it is impossible to acquire accurate information that the people want. The traditional library can solve this problem however the process is inefficient and inconvenient because the reader must go to the library and finding the desired books may take several time. This is where the online library come in to play and solve all the problem the traditional process has.

**SCOPE**

The researchers provide different features that enhance user’s experience according to their preference. First, in order to have an access to the content the system requires the user to have an account. If the user successfully created an account they will proceed to the main page where they can access different types of material such as e-book, audio-book, magazine, research document and podcast. The user can also upload different material that they want to share in the platform. The user has a freedom to choose if their contents can be access for free in public or they can put prices on it to earn some money. All uploaded materials will verify by the administrator first if its align on intended category before publishing to the platform. The administrator has a capability to approve or decline and add comments or suggestions to the submitted files of the users. All paid materials has 5% cut for the payment of hosting their content and site expenses.

**DELIMITATION**

The researchers proposed system also has different incapability. Currently the content is limited to the categories that the system offered. The system can’t provide an offline viewing of the file and physical copies, all of its content is only available online. The Administration can’t properly determine if a user's uploaded file violates copyright or is plagiarized. The user must accept responsibility for it in accordance with the guidelines established by the administration.

**SIGNIFICANCE OF THE STUDY**

In this fast-phasing environment, you can get information anywhere and anytime, some people have their preferences like watching in a television and listening through radio, but there also some people prefer to read a book for leisure or get a book related to their research project to the nearest public library but in this time you can't do that because some of them are close because of this pandemic.

Students - is the primary beneficiary of this study. The contents of the library are most books related to school or research, for just searching the system will find their preferred books.

Visitor - the study brings easiness in getting their books or information their needed because the library not just focuses in research books and materials also.

**DEFINITION OF TERMS**

Digital Library - a term used for an online platform which comprises of several electronic book collections, and with a variety of genres for a convenient access to a large amounts of digital information.

Online Social Reading - a term used for a digital service between users, and allows the interaction of both parties.

Systems Database - a term used for a systematically organized collection of structured data kept digitally in a computer system; designed to manage large structure of information both for the storage and manipulation of information.

OpenLibrary.org & Archive.org - is an online project intended to create "one web page for every book ever published". Created by Aaron Swartz, Brewster Kahle, Alexis Rossi, Anand Chitipothu, and Rebecca Malamud, Open Library is a project of the Internet Archive, a nonprofit organization. It has been funded in part by grants from the California State Library and the Kahle/Austin Foundation. Open Library provides online digital copies in multiple formats, created from images of many public domain, out-of-print, and in-print books.

API - An application programming interface (API) is a connection between computers or between computer programs. It is a type of software interface, offering a service to other pieces of software. A document or standard that describes how to build or use such a connection or interface is called an API specification.