

## NORTH SOUTH UNIVERSITY

PROJECT ABSTRACT

CSE-311L

Section-02

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**Submitted To:**

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**Project Abstract**

***Project Name:***

Online Library Management System.

***Project Information:***

In this project, we will build an e-management website from scratch for a library. All the renowned libraries in the world have a website to manage its thousands of books and user’s information and services because it is difficult to manage and retrieve the members and the books information from a non-digital storage format. So, we decided to build a website with features to store its employees, members, books data in a sophisticated and organized manner. Also, with the proper function to retrieve and manipulate data as needed.

***Purpose of the project:***

A Library management system is a software that uses to maintain the record of the library. It contains work like the number of available books in the library, the number of books are issued or returning. Library management system allows the librarian to maintain library resources in a more operative manner that will help to save their time. This system will reduce all the manual work and the whole process can be managed just through single clicks. There will be no headache of storing the data securely and searching the records of any individual afterward. Any member can rent a book just by signing in with their details, and return it with the date of returning. The admin can also facilitate themselves with some extra authorizations and privileges.

***Objective:***

The objective of the Online Library Management System is to act as gateway to digital and electronic information, positioning the library as the preferred partner for lifelong learning.

* + - * Embracing diversity
* Economize access to knowledge
* Developing library services that incorporate both physical and virtual collections.
* Committing to excellence in service to improve effectiveness and remove barriers.

***Technology Stack:***

***FRONTEND:***

* Html
* CSS

***BACKEND:***

* PHP
* MySQL

***Scope:***

**For Admin:**

Book: Admin can find, add, edit and remove books by their ISBN number, books title and see how many copies remaining along with editing the number when needed.

Publisher info: Admin can order a specific book if it is not available then he can place an order and can also add when the book will arrive and update that in the list.

An admin has the access to the publisher details and is also capable of knowing data such as how many books a member has borrowed along with information.

**For member:**

Book: Members can row books from library inventory. Every member can also get information about books such as how many books remaining and which format it is available in.

A member can also manipulate information like when his or her membership will expire and how many books have been borrowed. In addition, with that a member can view his updated borrowed list after returning the book.

***Er-Diagram:*** 