



# ARLINGTON PUBLIC LIBRARYMANAGEMENT SYSTEM USER MANUAL FIRST EDITION



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# INTRODUCTION

## OVERVIEW

Having access to a resourceful and book jammed library is known as a prominent step for information development of knowledge seekers and plays a vital rule in education and research.

Recognizing this important feature for knowledge development especially in higher education section prompted us to create an ultra-systematic library system for facilitation of fast accessing to the needed source for research and study.

This project conquers the current challenging problem existing in Arlington Public Libraries and it's manually workflow fulfilled procedure by introducing and implementing a systematic solution for each one of the existing problem which will lead to reduction and overcoming the problems and challenges.

Generally, the Library Management System is aimed to substitute the existing classical and wrecked paper-based library system of the Arlington Public Library system enabling the library members to perform all the specified duties assigned to a library member in most effective manner.

Implementation of this project enables the library staff (librarian) to make entry of new library resources i.e. books, movies, television shows, video games etc. as well as issuing a book to a member, find out details of library resources such as which books are in stock at a certain time

The library members are able to use this project to find out details of all the books which are present currently in the library and determining whether they are exist inside the library or borrowed by library members etc.

## **INSTALLATION**

It is completely easy to install and use, this system can be installed and configured without internet access and can be globally accessible by certain computer or computers. So, never hesitate to access this resourceful library wherever you are!

The following is an instruction for installing this system on an intranet network as follow:

1. Extract the source code inside any directory of your choice.
2. Open a Terminal window and make the directory of your choice the working directory. Change the directory to the Code directory included in the source code.
3. Run the command 'make' to start the program
4. You are now ready to start interacting with the system

## **SUPPORT AND HELPDESK**

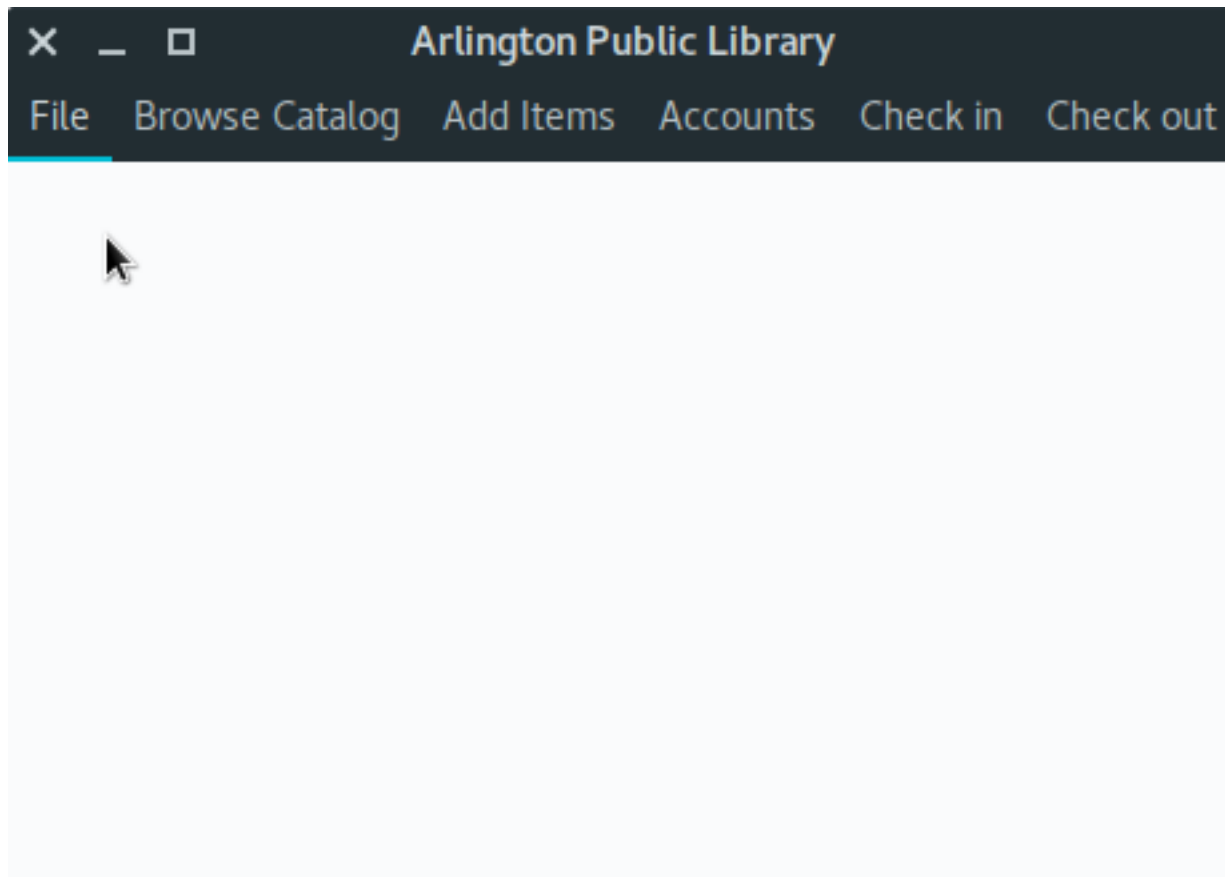
I would be glad to offer you any supportive information about the probable problems that you might encounter with or having your valuable suggestion for even more and more amendment and development of the system . Your contacts through the following addresses are welcomed.

Email: [atafo.abure@mavs.uta.edu](mailto:atafo.abure@mavs.uta.edu)

Contact No: 361-550-2335

# USING THE SYSTEM

So, let's have a tour to show you the functionality of the Library Management System features by descriptions accompanied with demonstration of some screenshots which helps you fully understand how to use and work with this system.



## FILE OPERATIONS

The Library Management System offers various file functionalities such as Save and Load

**Save:** You have the ability to save all the information into different save files so information is never lost. You can save information such as Librarian Accounts, Customer Accounts and All Media we have in our Library

**Load:** You have the ability to load all the information from various save files. Thus information saved can be loaded into the system at any time.

## **BROWSING THE CATALOG**

You are able to browse the catalog using this system. The system enables you to browse different media we have available and different bundles that are available to check out. Thus letting you know what is in stock and what is not. It will also let you know if there is nothing in stock

## **ADDING NEW ITEMS**

The system allows you to add new media and bundles into the Library's database. There are buttons that help simplify the process. You are able to specify what type of media you want to add to the database. You can choose between a book, a movie, a video game, a television show and a music album. You can also enter bundles into the database. You are able to specify what type of bundle it is.

## **INTERACTING WITH ACCOUNTS**

You are able to create two types of accounts. You can create a Librarian account. This enables you to add new employees to the system. You can also create customer accounts this allows you to keep track of which customers check in and check out books. Enabling you to create a history of transactions with each customer every-time they come into the library

## **CHECK IN OPERATIONS**

You are able to create a transaction every-time a book is checked in. The system also checks for late check-in and charges the customers account. This allows us to update stock in real-time, giving you up to date information on Media we have in stock.

## **CHECK OUT OPERATIONS**

You are able to create a transaction every-time a book is checked out. The system also updates stock in real-time, giving you up to date information on Media we have in stock.