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# LIBRARY MANAGMENT SYSTEM

## BUY/BORROW BOOKS & DVDS

### CHAPTER 1: OVERVIEW

#### • 1.1 INTRODUCTION

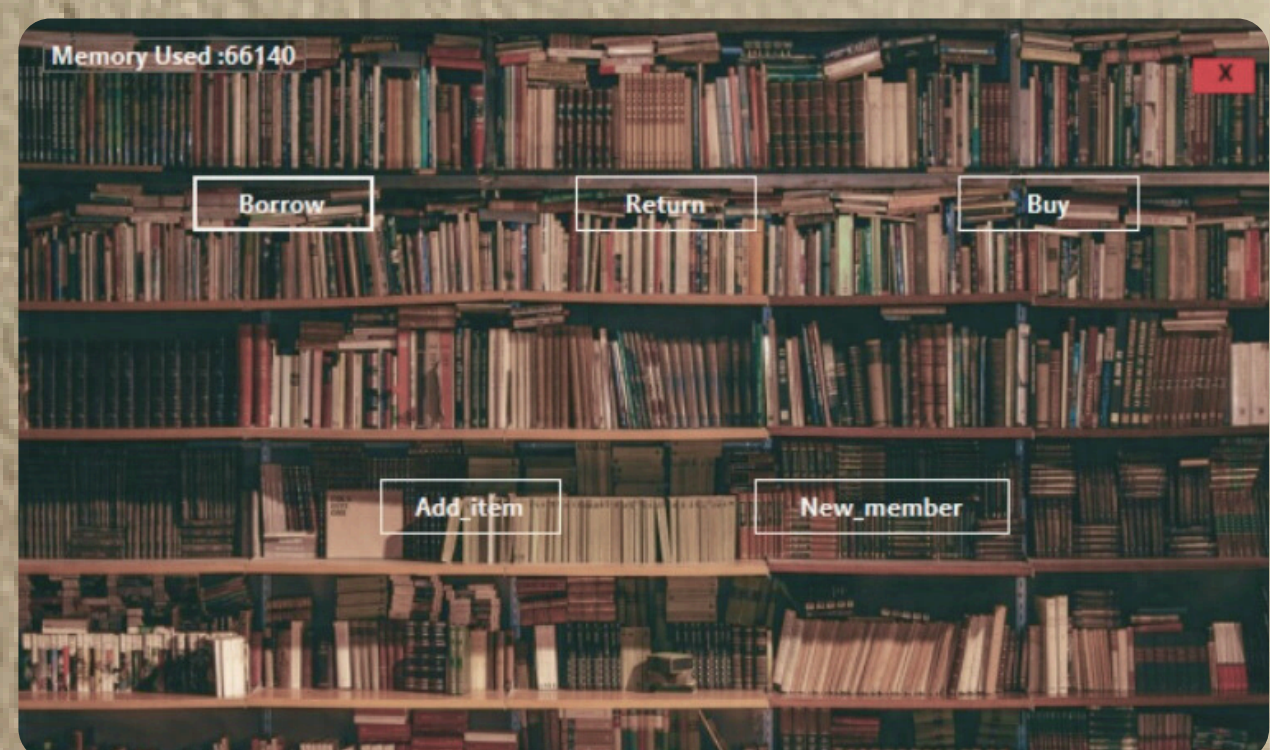
C# WinForms App manages borrowing, purchasing, and storing Books/DVDs with CSVfiles.

The program utilizes user-defined and generic classes, supporting member sign-ups and credential storage.

It includes data collection and analysis of usage statistics with the use of exception handling, to evaluate system stability.

#### • 1.2 PRINCIPLES

1. Inheritance
2. Encapsulation
3. Polymorphism
4. Method Overloading
5. Static Members
6. Class Compositions
7. Exception Handlling
8. Graphical User Interface



1	Name	Author	Year	Price	Quant	Borrowed
2	The Great Book	Jane Smith	1991	200	10	2
3	Adventure Stories	Mark John	2001	250.5	3	0
4	Atomic Habits	James Clear	2018	120	12	1
5	Mystery Night	Lisa Brown	2007	60	14	7
6	Learning Wonders	David Lee	2002	68	25	13
7	Dreams and Goals	Robert Wilson	1994	65.5	11	4
8	Simple Life	Sarah Clark	2017	181.25	2	0
9	Future Tech	Kevin Martin	2012	40	7	4
10	Wild Nature	Anna Scott	1970	75	4	2
11	City Lights	Micheal Turner	1997	63.5	8	2
12	Bright leads	Laura White	2022	22.75	2	1
13	New Beginnings	Olivia Harris	2020	50	6	3
14	Small Steps	Ethan Roberts	2019	350	10	5
15	Simple joys	Chole Adams	2010	115	12	7