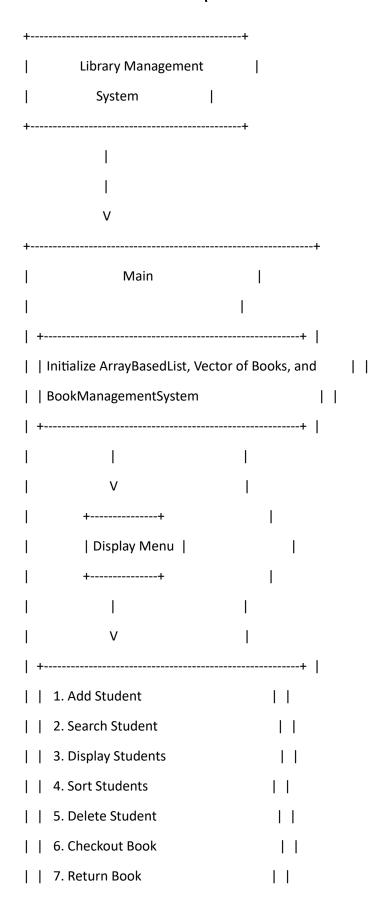
→ FLOWCHART: (LIBRARY MANAGEMENT SYSTEM)



8. Display Checked Out Books			1	l	
9. Display Return Queue			11		
10. Display Available Books			11		
11. Exit	11				
12. Display Hardcoded Studen	its and	Вос	oks		11
+			+		
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V	I				
t			+		
User Input: Choice +		ı			
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+	· 		+		
Switch (Choice)					
+			+		
1	1				
+	+				
Case 1: Add Student					
+					
User Input: Student Informat					
Call add(t) dant() in Arma Dant()					
Call addStudent() in ArrayBas		ı	ı	ı	
	, 		I		
V	i I				
+	+		l		
Case 2: Search Student	I		ı		
+	+		l		
User Input: Student Name					
+	+		l		

Call searchStudent() in Array	BasedList	
+	+	I
I	I	
V	I	
+	+	I
Case 3: Display Students	I	I
+		I
Call displayStudents() in Arra		:
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+	+	1
Case 4: Sort Students	1	1
Call sortStudents() in ArrayB	•	'
+		'
1	1	•
V	I	
+	+	I
Case 5: Delete Student	I	1
+	+	I
User Input: Student Name	I	I
+	+	I
Call deleteStudent() in Array	BasedList	I
+	+	I
I	 	
V	l	
+	+	1
Case 6: Checkout Book		1
Usar Input: Book Title	+ I	1
User Input: Book Title	I	I

Call checkoutBook() in BookManagement
++
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Case 7: Return Book
User Input: Book Title
Call returnBook() in BookManagement
V
++ Case 8: Display Checked Out Books
+ Call displayCheckedOutBooks() in Book
Management
++
V
+ Case 9: Display Return Queue
Call displayReturnQueue() in Book
Management
+
I I
V

Call displayAvailableBooks()	in Bo	ook l		1
Management	1		1	'
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I	ı		'	
V				
+	+		ı	
Case 11: Exit		1		
+	+		ı	
Display Exit Message	I		I	
+	+		I	
I	1			
V				
+	+		1	
Case 12: Display Hardcoded	Stud	ents	I	1
+	+		1	
Call displayStudents() in Arr	ayBa	sedLis	st	1
Call displayAvailableBooks()	in Bo	ook		1
Management	1		1	
Call displayCheckedOutBool	ks() ir	п Воо	k	1
Management	I		1	
+	+		1	