	(ab-od Bafna Gold -	
11	Software Requirement Specifications Page 6	
	Library Management System	
+	Introduction	
1	Purpose: The purpose of this document is to	
1	outline the requirements for a library	
1	Management system. It will help automate the	
1	bovereousing, evelwening and management of library	
1	books, providing efficiency in library operations	
	Sadge: System will assist librarians in Calaloging	
	books tracking borrowing and returned items	
	books, tracking borrowing and returned items and generating reports It will streamlin user	
	access to library's resources and provide	
	real-time updates on book availability.	
3	overview: System will reduce manual excess and	
	speed up dibrary services by managing book	
	inventories, user accounts à tromadion logs.	
2.	General Description: system aims to provide a user	
	- friendly interface for both librarians & user	
	user con check availability, borerow is return book	
	While librarian can manage books yelords, tracks	
	overdue books and tun reports on library usay	1
3	3. Jundima Requirements:	.,
	· wer management: Add, remove or update bookdels · wer management: Register, manage and delete	L
	· wer management: Register, manage and delete	
	liner accounts.	
	· Transaction management: Record borocowing and	
	relutioning books.	,
	o Search: Allow upre to search for books by title author	
	= Notifications: send remainders for duedates and	
	ovordue books.	

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4.	Interface Requirements:	Hi
•	user-friendly interface per both librarians by	1.
	usees.	1.
•	secure login system for librarians	
(0	A cearch box for weres to guickly find book.	
5.	Performance Regularments:	
0)	Ouick response times for searching database	1.2
10803	and managing transactions	
٥	support for upto 1000 simultaneous users without	
	slowdowni -	1.3
0)	Backup ry recovery processes to safeguard	
	book & mer data.	
	Design Requirements:	2.
	system run on both window of linux envim-	
	ment	
0)	Database design must support scalability for	
	future growin.	
0)	limited to physical book records.	3.
7.	Non-hartimal allia	1
•)	Courities Commontal Attabutes ;-	
	Non-functional Attributes;- Security: consume secure logins and data encryption	
0)	Systems uptime should be at least 99%.	4.
	Capabilities of handling large libraries With more than 100,000 books Proliminaries	
8.	Preliminary schedule to Budget development time	
	development time - 6 months	F
	Budget - \$50,000.	5'
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	The state of the s	6.)

8.7 Library Management System Library Hang System UserType: String Wername: string ": Password "string login () Register () () tuo gast hous how Librarian Bo OK user Name: string Tittle : strong Name: string Author: string manage Id : string Id & string Alcadail() Publication Psswrd get_bookinfol) Searchstring Reservationstatus fudback!) search student Buok request () has class operates L'brary Octobase Account list of books no_borrowed books Add () no_ Herewed books Detete () no returned books Undate () Stone no-text-books display() fine-amount SearchU Calculate time 1 stone BOULTITHE famount