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J. Library Management System:	mo I range
1. Introduction	a hardway
1.1. Purpose of the document. The	is document
outlines the vieguirements for Auton	nated Library
management System	Jeholt Al
1.2 Scope - The system is the dig	ital approach
are manual procedures of library	y management 1
including book catalog, books availab	ility, usuo
una return, damage complaints and	line payment
1.3. Overview - The system perovid	es the men
to check availability of bo	oks on genue
and lodge of four issue of the books and	the way
oan manage vieturn of books and fine	payment.
2. General Description:	n William
The system allows the user w	ille interactive
UT to see the list of available books s	The state of the s
database, from which the user can be	nd'or event
the books. The staff can manage with	
The second secon	A. Santa
3. Functional Requirements:	1/9.A
(i) User/staff admin login,	798 7
(li) Books catalog showing availabil	ity.
(iii) Fitter books based on genere and	popularity
(iv) Authorization slip generation lent books.	
(V) Stay management of books Joy &	return.
(vi) Damage complaint and line pays	nent.

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4. Interface requirements: (i) us interjace - Responsive web page with interactive UI for user. (ii) Database interpace - real time date fetching from database storage with committed (iii) Payment gateway - socure gateway cliannel jou jene payment. 5. Poy oumance Requirements: (1) Scalability - Should allow multiple users to become turough real-time book availability. (ii) security - secure gateway for line pryment. (iii) Availability - All the books must be available in database connection. 6. Design constraints: Must comply with payment cord meadlants and UPS for payment. Design scalability can be obtained by multiple server authorization. T. Non-Functional Requirements: (i) Scalability - Allows multiple users to browse through real-time books availability. (is Speed - The data fordling and display should take minimum CPV sowe time (iii) Security- secure gareway for fine payments. 8. Proliminary schedule and budget: Development is estimated to take 9 months with a budget of \$ 190,000 considering interestion

with ribrary. Requirements phase (\$25,000), Delign

and implementation (\$45,000), verification and validation (\$100000), evolution and maintenance (\$20000).