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8.	Introduction	
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	interface requirement, performan	THE STATE OF
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	The Mswill cater to the needs of hibrar	ians,
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2	ntuitive interfacel, robust search capa	TAO
	ntuitive interface, reporting functionalities and comprehensive reporting functionalities	. 100
a	Coludes,	
K	ey features includes:	

- · Book ca taloging & maragement.
- · Member registration and management.
- · Circulation management.
 - · Reservation and renewal. · Reporting and Analytics.
- functionality Requirements.
 - · Book cataloging & management.
 - Ability to add, edit, delete books from the Ubrary catalog.
 - Classification of indexing of books based on categories, genres, authors etc.
 - tracking of book details such as title, author ISBN, publish date etc.
 - · Member registration & management.
 - registration of library members.
 - Storage & retrieval of member info. - Ability to update members details
 - · Circulation management.
 - checkout & checkin of books
 - due date management & overdue book trac. - fine calculation of overdue books
 - · Reservation and renewal.
 - Reservation of book currently not available.
 - renewal of book loans for eligible members
 - · Reporting and Analytics.
 - Data analysis for decision-making & resource planing.
 - generation of various reports like inventorystetc.
- 5. Interface requirements. The (Ms will interact with users through:

- · Graphicaluser interface for library staff.
- · web-baced interface for online catalog
- · Mobile app for accessing library resauce
- 6. Performance requirements.
 - · Response home forcatalog search of book checkout c3 seconds.
 - · dystem uptime: 99.9%.
 - · concument user support: minimum 50
- 7. Design constraints.
 - · Integration with existing Ls & database for data migration.
 - · compatibility with different or hueb browsers.
- 8. Non-functional requirements.
 Security: Encryption of sensetive data, role-based access control for staff & members.

Portability - Accessiblity across different devia

Reliability - Mini mal downtime, data backup & recovery mechanism.

9. Preliminary schedule. In budget.

The development of LMS is estimitated to take 6 months with budget of \$20,000. This Pochudes analysis, design, development, testing etc.