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Cibrary management system 1 Introduction: 1.1 Purpose of this document: This document specifies the requirements for the deeign and implementation of a library management system. 1.2 scope of the document The library management system is designed to help users to request for the articles they require and obtain it. The development way is estimated to be \$20,000 and it will take 4 weeks to complete capproximat 1.3 Overview Users will be able to see a catalogue of ownilable articles and Evinse Harrigh them They can scleck the articles they require, pay for their and receive them sumediate -ly. They can get either downloadable print-only articles. They will be able to login and save their profiles for faster wangactions: 2. General description The objectives of the user are to browne and punhase the articles they desire. The System will have multiple payment modes for the benefit of the users along with a smooth user experience and an easy to understand UT. 3. Functional Requirements

\* The librarious should be able to update

the catalogue of books and articles

\* User should be able to view the catalogy \* A proper payment suterface should be schip to allow users to payments to reach the account of the organization \* Prices should be calculated pased on the articles in the cart. 4. Interface Requirements . I The interfere should allow user to browse through the capalique of books and select their accordingly. \* The interface should allow user to login and save their profiles. \* The interface diould provide a smooth wer expenence. \* It should facilitate light and dark · modes. 5. Performance Requirements \* There should be a fail safe to prevent transactional errors. \* The download links should be working present efficiently \* Routing should be fast \* The system should be broken down into 6. Design contraints \* A beam of programmers wino

experienced in handling data structurely

and perform operations on databases

\* Dynamic vendering frameworks like Realth

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\* A lot of processing power is required to Simultaneously handle multiple user operations. 7. Non-functional veguirements \* The system & should be veusable \* It should be compatible with popular operating systems like windows, MacOS, Linux Android and ios. \* Transactions should be secure \* Data should to handle null values and It should be possible to modify the schema 8. Preliminary Schedule and Budgel The project is estimated to be completed in 4 weeks and is estimated to cost approximately \$ 20,000 Classes \* User \* Login page \* Article catalogue \* Avrile database \* Payment interface of Bank database.