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1. Introduction

1.1 Broklem Statement The library management system is an eventral software and automate the management of library operations. The primary usue found by the library staff is the manual and time consuming process of managing books which may lead to errow. This problem can be readered by developing a software exten hat can automate the procuses and improve the owness efficiency of the 1.2 Stope:

The document outlines the requirements for the development of a web tored there Management system to automate book lending, tracking, and inventory management, as

1.3 Overview

the Library Management system will be designed to be user friendly fast and scalable to accomposable a large number of users and books. It will be developed using Java programming language with a relatived database authentiation. System and well ensure the security of data through user

2) General Description:

It will be a web based application accessible to library stoff and used with a valid login. The system will previde features such as book lending, book tracking, inventory management and user management. All sto data is stared in a central database.

3) Functional Requirements

the Library management system will have the following functional requiences like it book lending - Library staff can lend books to users and track the

took's dates, including due date and return date

ii) Rook tracking - Track the docation of the books.

iii) Inventary - Management, the system should allow library staff to make the system should allow library staff to manage the inventary includes the addition and removal of books from the library.

4) Interface Requirements: The Library Management system should have a user-friendly interface for both staff and uses i) User intefface: Should allow users to browse the library catalog, reserve ii) Staff interface: Staff interface should allow library staff to manage books, uses , inventaget. 3) Lenformance Requirements 3) Lenformance Requirements

The LMS must be fast and suspensive. The system should have a suspense the of not greater than a seconds and should be scalable to accompodate a large number of uses and bods. 6) Dosign Constraints se deament outlines the securiously for the deal the LMS must be developed on a web-based platefarm using Jawa with a 2) Non-Functional Attailabeles rejust of the motion transported questill The LMS should be user friendly, reliable and enouse the overring of as

the development of the LMs is expected to take approximately six manths. with abudget of \$50,000.

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the residence of the residence contine of your did of storage and of the storage board draw a so the s grand tied in this couldn't placed france out of right hiller of the toking irrentary management and wan management. All is all it along in a central database.

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