

a Chenerate the SRS document For Library management system

1. Introduction

- 1.1 Purpose of this document
 - This document defines the system that will manages library operations such as book borrowing, returns used negistrations and catalog management
 - 1.2 Scope of the document
 - overview of system's objectives features and user interactions. Library Maragement System will automate management

of library necounces, including cataloging, borrowing, returning and tracking books

1.3 Overview

the operations of physical library by allowing librarians to track inventory, borrower

to bothow books, geturn

will support nultiple user hold

administration, user, members efficient platform to manage

library digitally

2.1 Uses characteristics

- -> Library staff
- aeneral public
 - 2.2 User Interface
- Facy to use and intuitive
- thansactions
- support various Functionalities
- 23 Fratures
- rentalised platform for managing library's nesources.
- Jt will enable users to search
 - nave ability to add, update,

 hemore books
 - Top library management

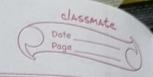
 Tasy tracking of book inventory
 - 3. Functional Requirements
 - · Usea Registeration, Authentication

 New useas to megister and enisting

 yseas to log in using caedentials
 - · Book catalog
 - -) Administrator can add, update and hemove books
 - · Book searthing and bosenowing

- Estimated servedule the phaye

- . Book neturn and fine calculation
- a Notification systematical part
- · report generation.



4. Interface Requirements -) used Interface - System parvides an easy web based interface for both liberagians and users -) API - System will have API's for integration -) system will send reminders Fox used to actuan books on time Peaformance Requirements - Have least nesponse time - should be able to handle load -) should secover easily and quickly after a failure to heduce down time 6. Design conetgaints -> security - Phioritize security measure to protect system - Scalability - Future growth and i'n creating demand should be kept in mind - Integration - Must consider other library system and services Non Functional Attributes -> Easy to use - Maintanability - Interoperability -> Pogtability Pheliminary Schedule and Budget

-> Estimated schedule for the project is

