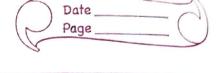
3) Library Management System. Problem Statement The prodibrary management system aims to streamline the borrowing, returning, and the tracting of books in a dibrary set will manage users, inventory, fines, and reservations. The system supports both physical and digital resources Et should offer efficient search and reporting. Usex access control is required. Software Requirement Specification 1. Butroduction 1.1. Puxpose of the Document The purpose of the dibrary management system is to automate dibrary workflows, improve tracking, and enhance water services for students, faculty, and 62. Scope of the Document The system will allow uses to search, reserve, borrow and return books. It will manage inventory, user & roles, fines, and generate reports. This document governors details functional components, user interfaces, performance needs, and constraints for system development. Ihis description details of and manages users and book inventories. Users can borrow return books based on prévilages. Admins can add/remove books and handle fires.

3. Junctional Requirements search, reserve, borrow, and return books fine calculation for overdue items Amin control for inventory management 4. Enterface Requirements

web interface for staff and users Admin panel for management. Bachend interfaces with a database 5. Personnance Requirements System should handle 500+ concurrent users
Search and chechout operations should be under 6. Design Constraints Should use RDBM thust our on existing hordware I intranet Entreface must other follow wearly accessibility standards. 7. Non-functional Requirements 24/7 system availability during academic terms Search results must return within 2 seconds Regular backups to prevent data loss / Enterface should support reader mode 8. Prelininary Schedule and Budget Schedule (4 months) Month: - Requirements gathering, DB design, basic UT Month: 2 - Core modules (Borrowing, Search, Return) Month: 3 - Fine management, reports, admin panel



Month 4 - Testing, user training, documentation

Budget Breakdown

Developer salames - \$ 48000

\$ 5000 Ull Ux design

Database 4 Hosting - \$ 5000.

Ok and Testing - \$10000 Miscellaneous Admin - \$12000

Total Cost - \$80000