3. Online payment

5. Manager generates reports	
4. Interface Requirements	
The state of the s	
* UI : Simple meb bromser interface	
* Software: Java CJREE), Mongo DB, Apache	
Tomcat, HTMA/Je AM , YO	
Non	
5- Pendormance Requirements	
* Pata update: & 2 sec	
* Query response = 5 5 sec	
* Login validation: 1 3 sec yeliab	
1 STROYSTO WARE I PROBABLE	
6. Design Constraints Hold Design	
* Memory = 10 GrB Server	
* Language: English only	
* Tech : Java - based, Windows 05	
Control Inc	
7. Mon Functional Requirements Come, 24	
The second of th	4
* Reliability: Howrly backup, recovery within the	
carcita: 10,000 users, 20 Reak transactions	
* Usability: Easy UI, user manual provided.	
3. Schodule & Budget	
9. Schedule 4-6 months /20065	
* Development time: 4-6 months beeks	
* (Budget). L'inited Cost estimen	
tourning entire -8	

4. Reception ist manages

bookings

Credit Card Processing

problem Statement:

Manual cecedit card processing. Is 31000 & insecure, an automated system is needed for just & eage transactions.

1. Introduction

1.1 Purposa

This document defines the trequirements for the Credit card processing system (CCCPS)-It aims to provide Secure, fast & rebuble credit courd transactions for customers & merchants.

1-2 Scope

- * customers : Make payments securly,
- + Marchants: Accept payment & veryy transactions.
- * System: Validate cards, process payments & generale transaction reports.

4.3 oueraien Manual credit courd us slow & insecure, an automated system is needed for fast a suje transactions.

2- Cremeral Description

* Customers: use credit courds for payments * Merchants: Receive confirmation of transactions.

Secretly 2 251 / 125 200

* Admin / Bank: Manage, monitor & audit transactions. I will a toplace a

- 3. Functional Requirements
 - 1. Validate chedit cand details
 - 2- Authoriza transactions
 - 3- Process payments security
 - 4 Cremenate recepits & transaction history
 - 5. Admin treparting le monitourg
- 4. Interface Requirements.
 - Locurement of the * UI : Simple & seure audo intenface
 - * Software: Java / Python backend, Mysol.

the month was the

- 5. Perjormana Requirements
 - * Transaction approval & 5 sec
 - # Data validation = 2 Sec
- * System uptime 99.9%. riving topositis commonwell in
- 6. Design Constraints
 - * Must comply with PCI-DSS security standards.
 - * Encuption traquired
 - * Limited budget
- culorated eystern in which took 7. Non Functional Attributes

 - * Security: 39L/TLS encryption + Reliability: Backup every hour * Custoners : Use Outh Parks 60
 - 8- Schedule & Budget
 - * Denalopment time: 6 months => 26 weeks.
 - + Budget: Limited. and the count

in fully promise in the many Cost Estimation 1) Doublopment -23 -24 lophs 2) software Frooks - 250,000 3> Hosting & Benuers - # 50,000-270,000 4) Compliance & Security - 21 look 5) Maintenance 7 25 0 p 0 0 1 Total 25-26 Jakhy prilonochus do strangologosa sissolas site entels of near threngerman And the said and sense substant entit is primate primate primate

producement west want a drawn a for the married and the

Library Management System

Problem Statement:

Most libraries still rely on manual systems by managing books, members, and transactions.

This leads to brequent errors, clata loss, time consuming & difficulty in tracking issued, returned books and fines.

1. Introduction

1.1 Purpose:

To define the software requirements for automating dibrary orientations like book management, user handling, issuing, returning & fine tracking.

1.2. Scope

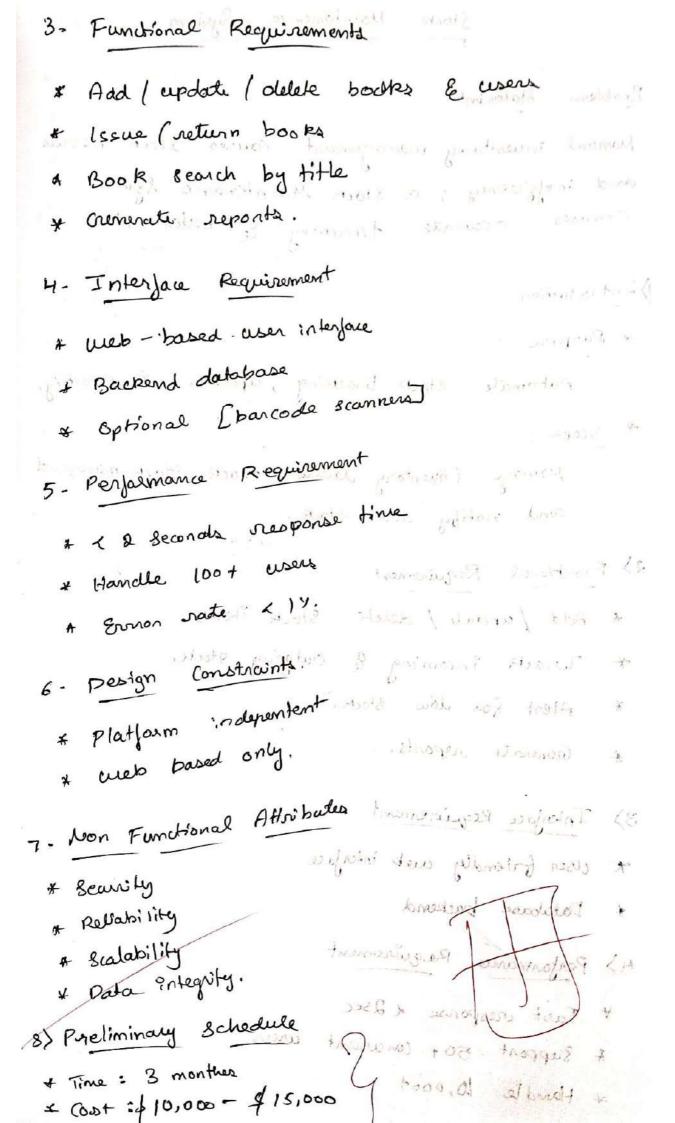
The 84stern manages books, members, transactions, times & reporting with minimal manual work.

1-3 Overview

Provider a cueb based platform for librarians and member to manage & access library services efficiently.

2. Greneral Description

LMS allows librarians to add/Manage books & users i issue & return books & generale reports.



Stock Maintamen ce Zystom

Poroblem Statement

Manual inventory management causes Stock Isony and inefficiency; a stock Maintenama System. accurate tracking & better control

1) Introduction

* Purpose ?

Automate stock tracking, updales, & reporting.

- trommings to affecting

aspelat see booked day

* Scope!

Hamage Enventory levels, track Stock managing and notify low stock.

2> Functional Requirement

- + Add / update / delete Stock Perms.
- + Track incoming & outgoing stock.
- * Alent for low stock. Introduce moltale.
- Generale reports.

3) Interface Requirement

were I and Janas Allei har of user friendly web interface

* Database backend

4) Performance Requirement

+ Fast response & 2 sec

* Support 50+ concurrent users

* Handle 10,000+

author 8 = wait

000,21 \$ - 000,01 12 +a6) -

thipsing obor a

(Hillians)

Wellahi litig

a Scalability

5) Design Constraints use open source tech Problems Haterant * Cross pladform support of Seune user authentication 6) Non Funtional Requirement + Seure access dothal mater (1 * Reliable & scalable * Mointain data accuracy. 7) Schedule & Budget 4 Time 12-3 months + Cost : \$ 8000 - \$ 12,000 A) Fountion of Regionsmanty. Submit, update & track passport . Among about tourity office + t present or violent applications. 3) Intropose Regionarios lating board day acustomics among a GT tripp which witherpolist x the month self some respect is . set 6 & somegen toof x

probably applications

Problem Statement

Manual passport processing is slow & arrow prome automation speeds up application & improves accurate

13.01 USANEZ

1) Introduction

Parpose: Automate pasoport application, verification que issurance.

Scape! Manage application, track status, verify documents & generale reports.

2) Functional Requirements.

- * Submit, update & track passport
- * Verify applicant documents.
- + Approve or reject applications.

3) Interface Requirements

- * web based partal
- + Secure database
- * Integration with gout ID

H) Performance Requirement

- * Fast response & 2 Sec.
- * Handle applications
- * Low emos Crate

5) Pealgn Constraint

* use seure technology

& Accessible

* Role based user access.

6) Non-Functional Requirement

* High seawity

y Reliable

* Scalable

7) Schedule & Budget

* Time :- 3-4 months

* Cost = \$12,000 - \$ 18.000