Managing Noted operations manually often leads to Enofficiency such as double booking of rooms, debyed check in I check out processes. Inaccurate billing and poor customex experience. With increasing compitation in the hospitality industry, hotels need a contralized system to screamline one processes like roombooking, billing, staff scheduling, reporting etc. A hotel management system (HMS) is required to reduce operational workload improve data accuracy and provide a seamless experience to customers.

1. Introduction

12. Purpose of Document

The purpose of this document is to outline the requirements for the hotel management system It defines the system's functionality scope interface & constraints to ensure bemooth development and deplayment.

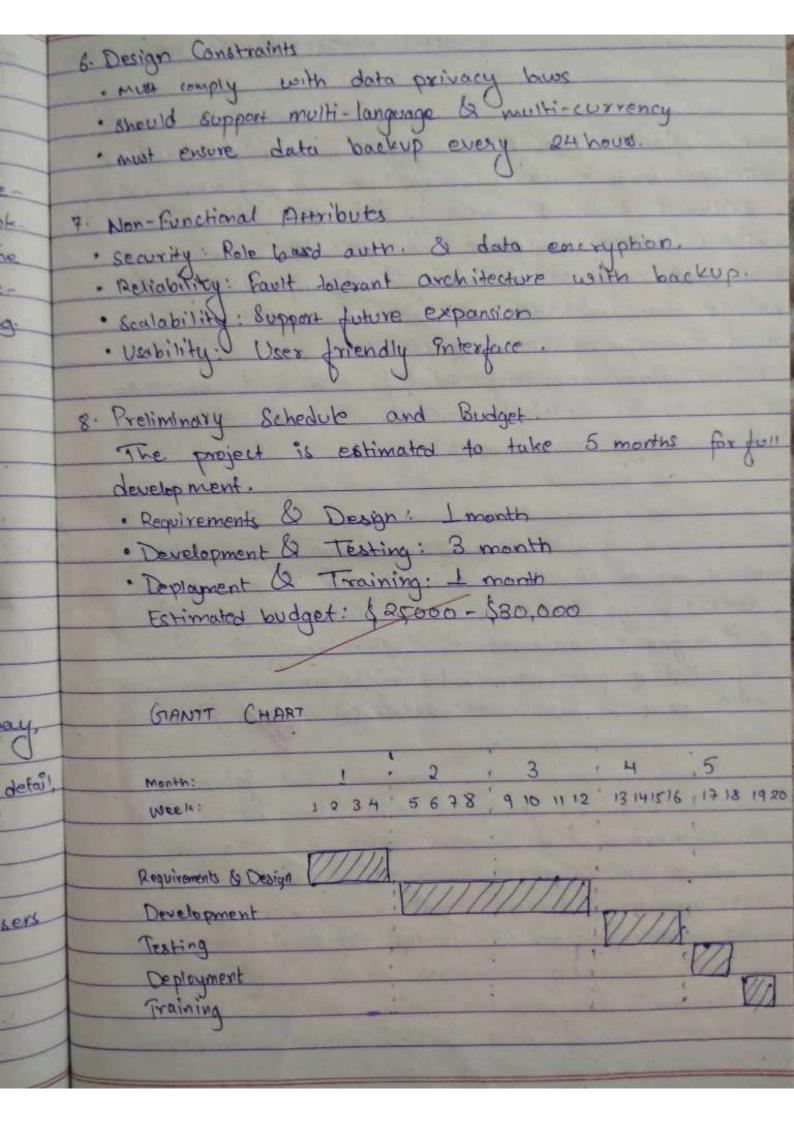
12. 8cope of this Document

This HMS will automate all major hotel operations factuding room booking, guest regultration, billing staff management and report generation. It will improve operational officiency.

1.3 Overview

The time que a centralized platform for managing hotel operations. It allows customers to book young

online, while hotel staff can manage room availability payments et officiently. 2. General Description The HMS Ps designed for hotel administrators, reception staff & customets. Features inclust room book ing; Great maintainance, billing & reporting. The system will be easy to use, provide role. based access and ensure secure data handling 3 - Functional Requirements · Room Booking Management: CRUD operations · Grest Management: Registes greats, check-in/check-out and maintain quest history · Billing and Payments: Generate bills, capply discounts · Staff management? Assign task, manage schedule · Reporting: Generate daily , weetly & monthly reports 4. Interface Requirements · UI: Web portal and mobile app Interface · Eystem Interfact: Integration with payment gateway external booking sits · Data interfaces: secure database for storing quest dete goom information & financial records. 5. Performance Requirements · system should handle at least 500 concurrent uses · transaction processing within 2. · System uptime 39.57.



CREDIT CARD PROCESSING SYSTEM

Problem Statement with the growing use of online and in-store payments, there is a need for a secure and redicable credit card processing system. Manual handling of payments 9s slow and prone to express, while existing system often faces issues like frow delays or poor user experienced. A well-designed system is required to validate transactions, process payments securely and provide fact approvals where protecting sensitive cardholder data:

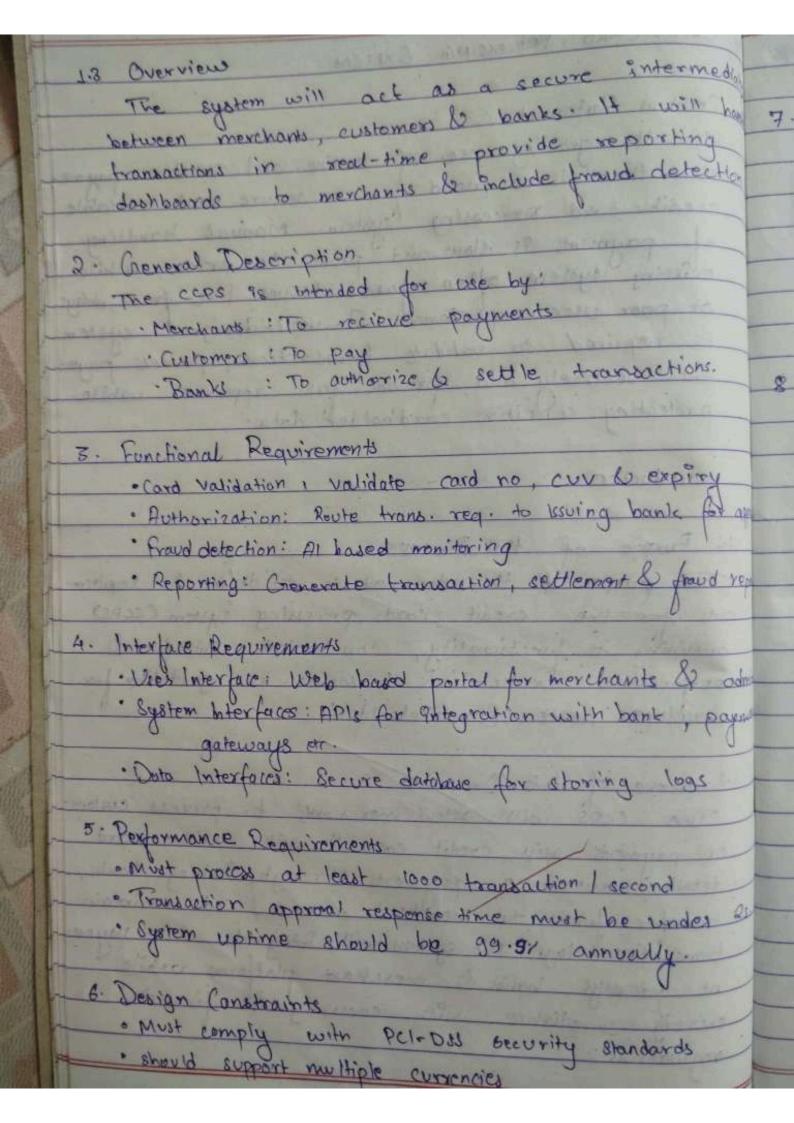
1. Introduction

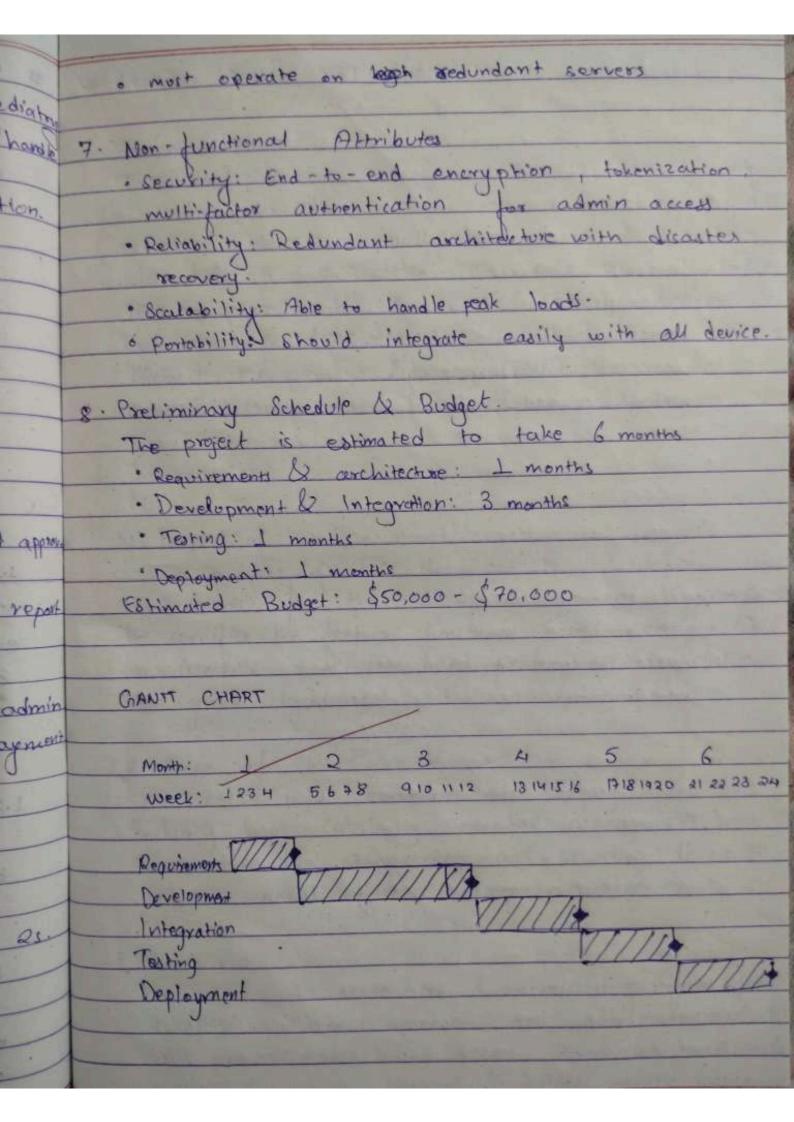
The purpose of this Document is to define the requirements for the credit card processing system (CCPS)

outlining its functionality, constraints, Interface &

performance expectations It serves as guideline for developose, testers & stakeholders.

The cces will allow merchants to process customex payments via credit cards. It will validate card
details, authorize payments through issuing banks.
transfer funds to merchant accounts, and maintain
bransaction logs. The system will integrate with payment gateways, banks & merchant platforms while
ensuring compliance with security & financial





Problem statement

Traditional library management system relies heavily on manual processing such as maintaining physical records of books, manually sessing/returning books, and tracking due dates. This leads to inefficiencies like misplaced books, snaccurate inventory, delayed book returns & difficulty in generating reports. A library Management system (LMS) is required to automate the core functions of a library.

1. Introduction

1.1. Purpose of this Document

The purpose of this document is to define the requirements for the Library Management System comments to generational and non-functional requirements constraint land performance expectations to guide development.

I.D. Scope of this Document

The MS well automate all library operations

Pincluding book cataloging, member management, book

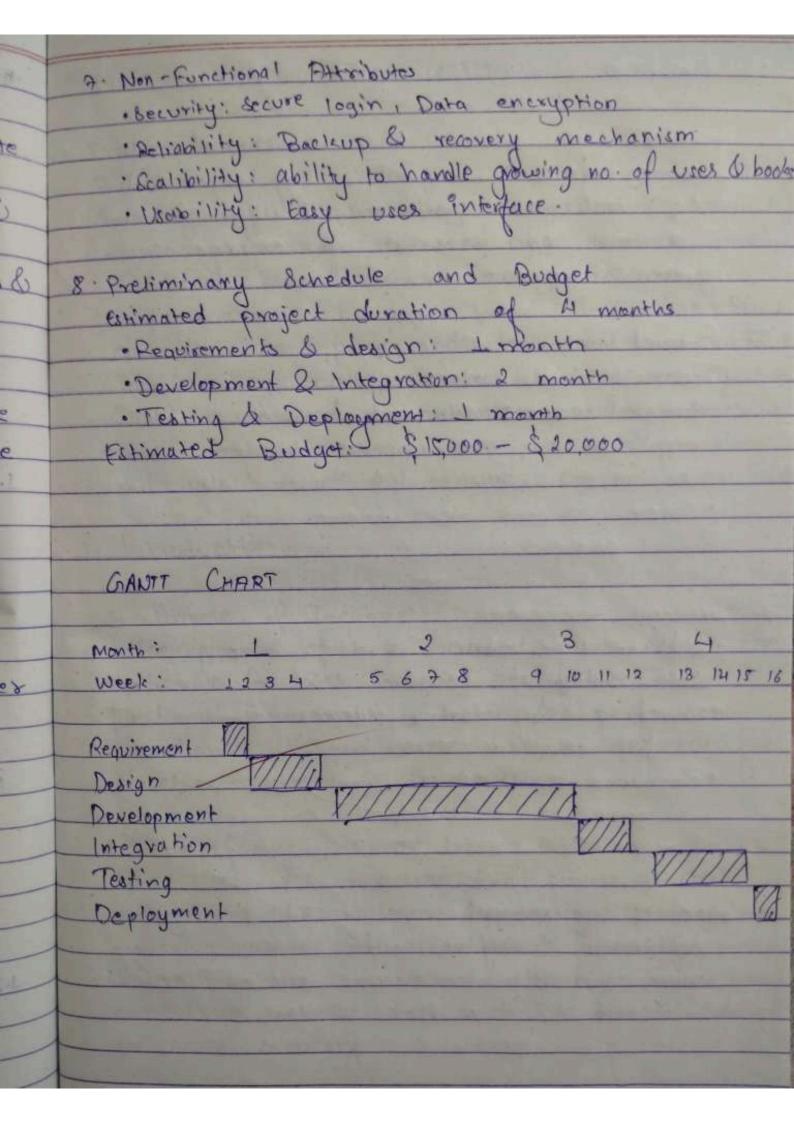
Possue return, file management and reporting. It will

reduce manual effort, Increase accuracy.

1.3. Overview

The LMS usil serve as a centralized platform for lebrarians, library members and administrators. It will provide role-based access, secure data handling & support for both physical & digital resource management

2. Greneral Description
The system will be used by: The system will be used by: Decks, members & generate
The system will be used by: *Librarions: To manage books, members & generate
reports.
reports: To search reserve borrow
· library members : To search, reserve, borrows
· System: To track book Inventory, calculate final
· System: To track hook morning
gend alexia
a transfer of the same of the
- Paulypments
· Dook man anoment: Add, update, Delete, ca g
· Member management: Registes neue member, manage
· Pook Issue / Return
· Search & reservation
· Fine calculation
Five carcolation
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
4. Interface Requirements
· User Interface: web based ports!
· System Interface: Integration with barcode/ RFID scanner
· Data Interfale: Centralized blatabase
5. Performance Requirements
* Support upto 500 concurrent users
Process search queries in under 2 sees.
Handle up to 100,000 books
· Maintain system uptime of 38.5%
38.57.
6. Design Comments
6. Design Constraints
· Must support barcade / RFID
VIDEOLATE DEL
most comply with data protection
projection,



Problem Statement

Business often face challenges on managing their

mentory efficiently, resulting in overstocking, stockouts

mismanagement of resources and revenue loss.

Traditional manual stock management methods.

using specialsheets or paper based logs - are time

consuming, error-prone and lack real-time visibility

anto ancentory levels. A stock maintainance system

comes) is required to automate inventory tracking

provide real time stock updates, generate purchase

and sales records and ensure optimal stock lovet

1. Introduction

The purpose of paix document is to define the requirements for sms ancluding its features, chape functional requirements, constraints, & performance benchmarks. It will serve as a refrence for developeos, festers & Stakeholders.

The sins will automate the process of stock management for businesses by tracking inventory levels, managing stock inflow out flow a generating reports. It will enhance operational efficiency, reduce human errors, and optimize stock levels to prevent so mages or excess inventory

1.3 Overview The system will provide a centralized platfor management. It will feature a dashboard displaying real time stocked data automated alores low stock, and Phtegration with external sales purchase systems. 2. General Description The SMS will crotes to: · Admins / Managers: To monitor inventory, generate reports & configure system settings. · Warehouse staffs: To update stock in last transaction · System: To sent alers, maintain stock logs, & prov analytics J. Functional Requirements · sterk Entry Q update: Add, odit, delete · Stock Transactions: Record stock inflow & outflow *Threshold Alext: Notify maintages when stock level fall below minimum limits. · Reporting & Analytics: Generate inventory valuation movement history & usage trends. · Barcode / RFID support 4. Interface Requirements · Uses Interface: Web and mobile dashboards · System Interface: Integration with barcode/ RFID scanner · Data Interfaces: Secure database to store product details stock levels.

	5. Performance Requirements 5. Performance Requirements 60.000 stock froms
to	VALUE AND INCIDENT AND ADDRESS OF THE PARTY
form	a the Contraction of the Contrac
and	· Support · Maintain 98.7% system uptime
diplay	· Maining
43 60	The control of the co
+	6. Design Constraints - must ensure data accuracy & prevent duplicate stock
-	· Must enable during
-	· must comply with business data protection a fundards-
	· was compile agent prode.
	· should support offlike mode.
cite	
-2	9. Non-functional attributes
raction	· security · Role-based outh: encrypt data
Provide	· Reliability: Regular backups & foilover support
1 -1	
	· Wability: Intuitive UI with minimal training
2 (7)	8. Preliminary schedule & Budget
0	timeline: 45 morns
levels	Estimated Budget: \$18000 - \$2000 , anduding
308	development, hardware integration & support.
duction,	
	CANTT CHART
3 54	, , , , , , 4 45
Jan 1	Months: 1
-	Weekt: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 12 1711
	STITTITIN
anner	Design V//////
details	Development ///////
-	Integration (11/1/1)
	Testing
	Deployment
	The second secon

Problem Statement:

Traditional passport application & Issuance processes

Anvolve excessive papersons, manual vestification,

long processing times, & inefficiencies in tracking

application status. Applicants of ten fuce delays due

to missing documents, lade of transparency and

manual errors in data entry. A passport

management system (pms) is required to

automate the entire passport lifecycle-from

application, venification, delivery tracking etc.

1. Introduction

This document defines the requirements for the passport management system (PMS), specifying sts functionalities, constraints, performance standards and interforces. It will serve as guide for developer, tester & stakeholder.

1.2. Scope of this Document

The pms will streamline passport application
& resource by digitizing all processes. It will

provide an enline platform for citizens to
apply, track applications & book appointments.

1.8. Overview

The system will be web-based and mobile-friendly supporting applicants, government afficials & but enforcement agencies. It will integrate with external

