2's credit card processing system (CCPS)

1. Introduction

12 purpose of this Document

The purpose of this document is to define the requirements of the (cops), which enables secure and compliant processing of credit care transactions for online & Pn-store purchases

1.2 Scope of this Document

This document outlines the features and interac--tions of the cops, including coedit card processing system, fraud detection. The system will work with multiple payment gateways & comply with PCI - Dss standards

1.3 Overview

the cops ensures that credit card transactions are handled securely & efficiently. It validates credit card details, processes payments manages refunds and chargebacks

2	General Description
7	he credit card processing system will allow
a	exchants to securely process credit card
1	vansactions. The system will interface with
or agent and the	Pagarial Pagatitutings & Payment gateways
	ensuring compliance with industry regulations
	ensuring compliance with industry regulations & offering services like real - time
	Payment processing, setunas, or charge sacras
	key features include:
	secure payment processing
	Real - time authorization
	Foard detection & proevention
	3. Functional Requirements
	The SINTER CIUNC
	in 1901 ato card no exprousion outes, & con
	payment processing: suppost for one-time of
	J O O CALL MOOA'S
	Refunds & chargebacks: The system must allow for refunds & manage chargebacks
	allow for refunds a manage orangemention. Front detection: Real-time front prevention
•	using predefined sules 4 algo.
	Topogration Regorting: Detailed reports of
	toansaction history for merchants
	7
	4. Interface Requiredments
	merchant Interface
white free days are now in the last of the	- Customer Enterface - Admin Interface
11	- Bank Integration
	Data Flored almos)

5. Perotornance Requirements The system should support up to 1 million daily toansactions Response times for payment proced - 189 should be under 2 sec. Transactions data must be processed & stored for real time 6. Design constraints The system must comply with POI-DSS for secure handling of cardholder data, Integra--tion with escisting payment gateways should be seamlest, requiring minimal changes to external systems. 7. Non-Functional Attaibutes - security: Au sensitive data must be encoypted ensuring poi - Des compliance - Scalability: The system must scale hosizontally 9 to accommadate growing transaction volumes of the fine, with a backup of discuster recovery of plan in place. 8. Poeliminary schedule & Budget the estimated project duration is 9 months, it with a total budget of \$300000, This includes development, testing & deployment