OOM LAB SRS Document

Credit Card Processing

9.	Lestedit Could Processing	
	semilar from a distribute from stores a	
	Problem statement	
	The growing demand for digital payments requires	
	The growing demand for digital payments requires a secure and efficient way to process credit card	
	thansactions. Existing manual on whated systems	
11	does shallower such as land temporation delays securit	y
phil	by eaches and lack of integration with modern banking	
A STATE OF	networks To overcome these issues a chedit could	
T., 6	Processing System (ceps) is required to ensure scamper	. 22
THE OU	real-time authorityation, settlement, and froud detection	2
	while maintaining compliance with international standards	
	11Ke PCI DSS	
	SRS DOCUMENT	
_	Intereduction	
	Int medical control	
	1. Pumpose	
	The purpose of the credit could processing system	m
1	is to provide a secure, ellicient and reliable platform for	1
	processing credit cord transactions between merchan	nts
	customers and tinancial institutions. The system will han	dle
	authorization, authentication, settlement, proud detection	
	and sepositing, and seposition of the	
	2. Scope	
	and a trade wheel and the same	
0	The CCPS will:	
	All as and validate and to and transactions	in
police	Tomostize and variable open cond transactions Trave compliance with PCI DSS for data securit Support multiple could networks	
~	· Ensure compliance with PCI DSS for data securi	14
	· Support multiple could networks	0

· provide groud detection mechanisms. - yenerate transaction logs and financial reports. 3. Ovorview: The CCPS will operate as a middleware system between merchants, banks and customers It will prioride API's for merchant systems to integrate and process payment Securely . Transactions will be encrypted and routed through acquiring banks issuing banks and could networks chipkante lencitatesti dila mailgias paialotaina sida Greneral Description • ५८७८ · Customors · Monchants · Bank Administratooss · System Admins · System features · Transaction authorization and settlement · Secure data encryption etrala pare princotinom busief. · Refund and neversal handling · Reporting and auditing Functional requirements. 1. User Authentication - morchants and admins must log in in soil Securely town liters statiles has a selection · Customens must provide valid could details for processing direct of old mal root for alique antilgous 2 Herman from sofficer suggest a

	DATE / /
5.	Performance Requisiement must priocess atleast 2000 transactions for the transaction authorization must complete in 22 seconds.
Hel	· Inansaction aumosignment most · System uptime must be 99.99.1. · praud detection lateray should be 2 Sooms
6.	Design Constraints. Must Apply with PCI DSS for conducted to Use strong enoughtion
1	· Must suppose multiple could networks
-	· Deployable on cloud and on paremise in prastaucture.
_	Zinne postanza cha tomolitica dated .
7	Mon functional requirements. Reliability, security, scalability maintainability
	usability, postability
8.	Prieliminary Schedule and Budget
	Schedule
	1. Regularement Grathwing - H weeks
	2. System Design - 5 weeks
-	3. Deployment - 16 weeks
pdill-o	4. Integration with Banks - 4 weeks
Market Par	5- Testing - 6 weeks 6- Deployment - 3 weeks
	3. Molatonana Carlanat O
	7 Maintanana - 8 - supposit - Ongoing
	Bodget
	1. Soltware Development - granger
	1. Software Development - \$100,000
	21 25 con 11 1 20 11 11 11 11 11 11 11 11 11 11 11 11 11

