

2. Software Requirement specification for Credit Card Processing

1. Entroductions market his gest of texting

· Purpose:

this document outlines the functional and non-functional requirements for a secure condit card processing system that enables transactions between people o scope:

the system will support

Various card typus and will provide real him

processing. It is designed for easy integration
with various platforms

o overview:

payment transaction for both online and offline burchases.

2. General Description!

· Product Pexpective!

act as an intermediate between merchants and credit card companies, the securely processing and verifying payments of user characteristics:

include merchants, cardholders and system administrators. The interface will be user-friendly for both technical and non-teenical staff.

o system constraints:

ensure secure transaction handling

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3	. Functional seregui rements substill provincial of 8
e d'I	Payment gate way intigration
	Fraud detection and prevention mechanis
	· Refunding process India sat
	card authorization.
4.	Interface Requirements
	· web API for integration with
	e-commerce platforms
6.	Performance requirements:
	· Transactions must be proussed under
	2 mins
	· should support up to lovo transaction
	per second.
	The Budia Proposition As
6.	Design constraints:
	system must allow for
	Straight forward integration with third party
	gysteme
7.	Non-Functional Attributes:
	· Security!
	Should impliment end to
	end encryption for credit recredit card
	Information.
	· Reliability:
	should always complet
	the transaction process and the failure lete
	must be less than 0.1 percent.
	· scalabilih :
	should be able to handle
	high transaction volumes across the different
	systems.

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8.	Preliminary Schedule and Budget ! will some
	Development Timeline: 9 month
nichanica	· 2stimated Budget: \$250 000 for
	the initial development phase
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