2. Software Requirement Specification for Credit

1. Introduction

· 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 types 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 condit card companies, the securely processing and verifying payments of user characteristics:

include merchants, cardholders and system administrators. The interface will be userfriendly for both technical and non-tecnial staff.

o system constraints,

ensure secure transaction handling

3.	Functional requirements of the monimiled								
0,140	Payment gateway intigration								
10	o Fraud detection and prevention mechanism								
	· Refunding process little set								
	o card authorization.								
u	Entirface Piquirements								
7.	o web API for integration with								
	e-commèrce platforms								
~	Performance requirements:								
0.	· Transactions must be prousued under								
	2 mins • should support up to loop transactions								
	per second.								
6.	Design constraints.								
	Design constraints: system must allow for								
	Straightforward integration with third party								
	24 sterne								
	343(-1.								
7	Non-Functional Attributes:								
	· Security!								
	Should impliment end ho								
	end encryption for credid recordit card								
	information.								
	· Peliability:								
	Should always complete								
	the transaction process and the failure lete								
	must be less than 0.1 percent.								
	· scalability:								
	should be able to handle								
	high transaction volumes across the different								
	systems.								

8.	Preliminary Schedule and Budget:
	o Development Timeline: 9 months
cinedow	· 2sh mated Budget: \$250 000 for
	the initial development phase
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	y Interface Requisionents
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	employ commence
	6. Performance requisements.
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2. Credit card Processing: prodotomodent

Credit Card

Card Number: String

Expoleti: Date

CVV: String

Name: String

Validate()

Charge Amt ()

Transaction

Transaction 20 3ting

amount: Ploat *

date: Date

Status: String

Provision

refund ()

Merchents

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1 name: shing

contact 2nto: Shing

creat transaction ()

cancel transaction ()

flotel management sides

1 Customer

2 D: Smig

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wontact: Sming

add card():

remove (ard()

View history()

* alextID: String

* timestamp: Dale

transaction ID: String

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invertigate Alextes

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