## Application: Credit Card Processing System

1. Introduction credit card processing is interaction of the customer to the credit card processor allows getting a new cord and also to get the details of the card and makes the copy of purchase made

1-1 Purpose not somme mon 39TH stus

The credit card makes shopping easier and the with them helps to keep track of all Estimations

1-2 Dowment Convention This document uses standard IEEE formating Requirements are stated Using shall for mandatory feature. Usa case references are Halicized Number Sections Correspond to specific categories of System requirements

. 3 Intended Audience and Reading Suggestion This SRS is intended for developers, project managers testers and statisholders Readers are encouraged to Start with the introduction for context. followed by overall system description and specific Requirements

based on their Roles

4 Project Scope

The ccps is a Soura, cloud-based system that Process credit card payments. It supports authorization, Settlement, refund handling and fraud detection. The System alion with organizational goals to modernize and Sewre transaction handling

include PCIDSS 4.01 ISO 8583, messaging standards credit card network API guide

9. Overall Description 9.1 product perspective ccps is a standalone. System replacing older payment gratem - It interface with card networks i merchant system, and internal banking API's via Secure channel The System supports integration with external services through standarlized API's 2.2 Product Function The System authorize transaction , capture gayment process settlement , handler chargeback and generate reports. It includes user management froud detection and web-based admin portal 2.8 User classes and characteristics User groups include customers i merchanti admin stall and developers. Each group has different accenterels and technical expertise, with administrators requiring more advanced teatures for monitoring of control 2.4 Operating Europement 2.4 Operating Eunvironment The System runs or a cloud platform with Linux Servers, Docker containers & postgre Sql databasq web access is through modern browsers and API use Authr2. o for secure Communication 2.5 Design and Implementations sandas IU constrainte include compliance with PCI DSS integration Using Iso 8583 Standards 2951 bringed H 2.6 User Downentation Usermanuals, adminguides, API documentation will be provided in both HTML + PDF formati 2.7, Assumption & Dependency The System depends on external and networks Stable banking APJ and ongoing accent to cloud
Infrastructure.

3. Speafic Requirements moderns (1)
3.1 functional Requirements subsquared boubong by
· Authorize Fransaction with 3 sec
capture payment after merchant confirm
· process merchant - initiated refunds
· Keep transaction logs for Dyears
3.2 External Interface Requirement
. Use standard vertication for payment network measing
network messging  Provide restful API's for merchant
3.3 Bystem Ceatures
· Role based access control
- Real time monitoring dashboard  · Automated backup & recovery  3.4 Non-lyngton Daniel
3.4 Non-lunction Davis
3.4 Non-function Requirements . 99.94. System availability
Encrypt all Sensitive data
· Comply with PCI · Handle 10,000 transaction 1 sec
· Handle 10,000 transaction 1 sec
· UI responses with 2 seconds
4 Appendices should some pass
4.1 Glossary  * Authorization validate
* Authorization validate
* PCI DES: Security standard format
Ton8508! Transaction message
4.2 ( conharrement
MI Rosed froud detections
mobile/digital wallet multr- currency Support