I Phoblem State ment

The encisting Goodst card phocessing

System lacks efficiency and security

Measures, leading to potential fraud

Twish and customer dissatis faction.

An up glaced Godit Card processing

System is impleating to ensure

beamless transactions enhance security

que maintain customer trust.

I Credit card processing

1.1 Purpose of this Document

J Introduction.

outline the specifications & Troquirements for the development of a credit cord processing System (CCCPS). It serves as a comprehensive guide for the development team, stakeholders re usons, defailing the objectives, be ope the over view of the system.

T.2 Scope of two Document This document defines the overall working and objectives of the Godia Card Processing bystem. It describes the value it will provide to customers and Stakeholders, includes secure & applicant handling of Oredit card thanbactions. 1.3 Overview The Credit Card processing bystem is designed to bacilitate the processing Of Crede't could thankactions securely and efficiently. It provides a Contralized platform for merchants to accept payments from customers. 2 General Description The Oredit cooled processing system pacilitates the following bunctions: - Authorization of Oredit card - settlement of framsactions, - Management of customer accounts and payment methods - Integration with pay ment gateways

3) Functional Regulements 3.1 Authorization - Ability to veriby the validity of Oredit courd information, including card number, explay date, Ex CVV - Real -time authorization of transaction 3-2 Settlement - Capture funds from outh dizect = Generation of transaction recepts 3.3 Customer Management - Regalistation of new Obstomers. - Ability to update Gemanage customer accounts. 3.4 Integration. - Integration with payment gateways - compatibility with volvious payment methods 4) Interface Regulaments 4.1 Wer Interfere - In tutine re user friendly interface - Secure login le authentication

7.2 System Intellaces - Integration with external payment goteways - See whe communication protocols for transmitting sensitive payment dada 5 Pelformance Requirements. 5.1 Response Time - Quick sosponse time - Scalable architecture to namelle peak thansaction 5.2 Reliability. - Reliable transaction processing - Fault tolesance to insure uniterrupted service availability. 6) Design Constraints 6.1 Security - complance with industry standard - Enoughtion of sensitive payment information

6.2 compliance. - Adherence to regulatory loguerements and brandards governing Oredit card processing including - Regular and its & Security assessments to mountain compliance 7 Non - Functional Att Subudes 7.1 Scalability: - Ability to Scale the credit card processing system to accomodate growth in transaction volume. - 2 lasticity to adapt to Changing business needs & market demands 702 Portability: - compatibility with different os & how platforms. - cloud deplogment options. 8 Pholominary Schoolule EBudget - The development of the Oredit card Mocossing System. # I do schedule in cludes phases bol Traquirements gertholing desingh, implimentation, testing to deploy ment.